Ontario

# Ministry
# of the
# Environment

Volume XVI

Water Quality
Data Series

Hon. Keith C. Norton, Q. C., *Minister*
Gérard J. M. Raymond, *Deputy Minister*

# WATER QUALITY DATA

# ONTARIO LAKES AND STREAMS 1980

## VOLUME XV1

## ERRATA

The abbreviated description for the test name NNTIFR (INORGANIC NITROGEN) should read INORG N TOTAL FIL. REAC MG/L.

# WATER QUALITY DATA FOR ONTARIO LAKES AND STREAMS

## 1980

## VOLUME XVI

Water Resources Branch
Ontario Ministry of the Environment

TORONTO ONTARIO

1981

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# INTRODUCTION

"Water Quality Data for Ontario Lakes and Streams," Volume XV1, 1980, is one of an ongoing series published by the Water Resources Branch of the Ontario Ministry of the Environment. The data presented in this publication were collected by the Water Resources Assessment units of this Ministry's six Regional Offices (Figure 1) with the assistance of numerous local Conservation Authorities. Compilation and publication were performed by the Hydrology and Monitoring Section of the Water Resources Branch. The data result from a routine sampling program designed to provide a long-term record of water quality information at specific points on rivers and inland lakes in Ontario.

Sampling station locations have been selected to meet one or more of the following requirements: (1) to measure quantitatively and qualitatively, the materials discharged from tributary streams to the terminal basins; (2) to monitor the effects of wastewater discharges on a watercourse; (3) to provide data that can be considered generally representative of water quality conditions in a certain area.

The information is used by the Ontario Ministry of the Environment to maintain surveillance over water quality and to provide supporting data used in the analysis and prediction of water quality for planning and other purposes. The data are also made available to any person or agency concerned with the quality of Ontario's rivers and lakes. The booklet "Water Management Goals, Policies, Objectives and Implementation Procedures of the Ministry of the Environment" outlines the current policies for water management in Ontario.

Samples are analysed for some or all of the following parameters: counts of total and fecal coliforms, enterococci and Pseudomonas aeruginosa; concentrations of biochemical oxygen demand, total phosphorus, filtered reactive phosphate, filtered ammonia, total Kjeldahl nitrogen, filtered nitrite and nitrate forms of nitrogen; total, suspended and dissolved solids; levels of conductivity and turbidity; concentrations of chlorides, sulphates, unfiltered

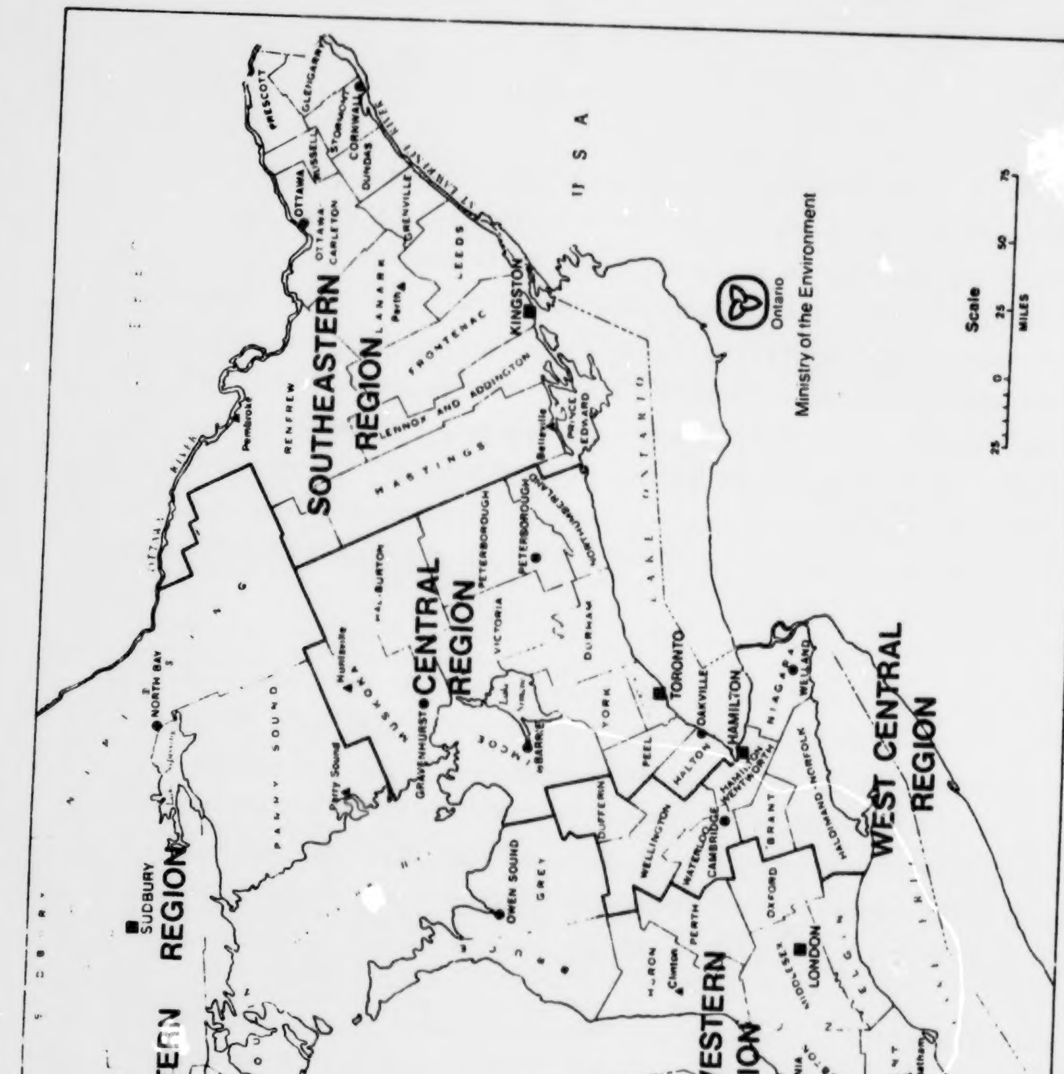

NORTHEASTERN REGION
SUDBURY
SAULT STE MARIE
NORTH BAY
ALGOMA
SUDBURY
NIPISSING
PARRY SOUND
Parry Sound
MUSKOKA
Huntsville
GRAVENHURST
CENTRAL REGION
HALIBURTON
PETERBOROUGH
VICTORIA
DURHAM
NORTHUMBERLAND
SIMCOE
BARRIE
YORK
TORONTO
PEEL
HALTON
OAKVILLE
HAMILTON
HAMILTON WENTWORTH
NIAGARA
WELLAND
DUFFERIN
SOUTHEASTERN REGION
RENFREW
Pembroke
HASTINGS
Belleville
PRINCE EDWARD
LENNOX AND ADDINGTON
FRONTENAC
KINGSTON
LANARK
Perth
LEEDS
GRENVILLE
OTTAWA
OTTAWA-CARLETON
RUSSELL
PRESCOTT
GLENGARRY
STORMONT
CORNWALL
DUNDAS
OTTAWA RIVER
QUEBEC
LAKE ONTARIO
U S A
WEST CENTRAL REGION
WELLINGTON
WATERLOO
CAMBRIDGE
BRANT
HALDIMAND-NORFOLK
OXFORD
GREY
OWEN SOUND
BRUCE
HURON
Clinton
PERTH
SOUTHWESTERN REGION
MIDDLESEX
LONDON
ELGIN
LAMBTON
SARNIA
KENT
Chatham
ESSEX
WINDSOR
LAKE HURON
LAKE ERIE
GEORGIAN BAY
MANITOULIN
LAKE SUPERIOR
LAKE MICHIGAN
Ontario
Ministry of the Environment
Scale
25 0 25 50 75
MILES
NORTHERN ONTARIO
Scale
100 0 100 200 300
MILES
HUDSON BAY
JAMES BAY
NORTHWESTERN REGION
KENORA
RAINY RIVER
THUNDER BAY
NORTHEASTERN REGION
COCHRANE
TIMMINS
TIMISKAMING
ALGOMA
SUDBURY
NIPISSING
SAULT STE MARIE
Regional Offices ■ HAMILTON
District Offices ● SARNIA
Other Offices ▲ Chatham

Figure 1. Regions and offices in Ontario.

reactive silicates, acidity, alkalinity; units of pH; concentrations of total iron, phenols, hardness, calcium, magnesium; units of colour; concentrations of potassium, sodium, total organic carbon, chemical oxygen demand, solvent extractables, arsenic, mercury, aluminium, chromium, copper, lead, cadmium, zinc, manganese, nickel, fluoride, cyanide and cobalt.

In addition, radiochemical analyses are conducted on selected samples and the results are expressed as levels of ionizing radiation (i.e. the number of nuclear disintegrations per second). Selected samples are analysed for some or all of the following radiochemical parameters: gross alpha, gross beta, radium-226, total uranium, cesium-137, cesium-134 and cobalt-60.

Some samples are also analysed for some or all of the following synthetic organic parameters: concentrations of PCB, PCP and 2,4,5-T.

The water quality monitoring program commenced in July 1964 in Southern Ontario and currently consists of a total of 736 stations throughout Ontario. The following maps (figures 2 and 3) show the Southern and Northern Ontario Terminal Basins which are used to identify the sampling station locations. Definitions or brief descriptions are provided for the more common parameters of pollution under the section entitled Interpretation of Data.

The Fish Contaminant Monitoring Program which is co-ordinated by the Ontario Ministries of Natural Resources, Environment and Labour is not discussed in this publication. A summary of health implications of contaminants in fish with a listing of test results from each fish sampling location can be found in the publication, "Guide to Eating Ontario Sport Fish." Three separate publications in this series are updated annually and each pertains exclusively to the areas of Northern Ontario, Southern Ontario and the Great Lakes.

The streamflow station network in Ontario is also not discussed in this publication. However, where streamflow data exists at

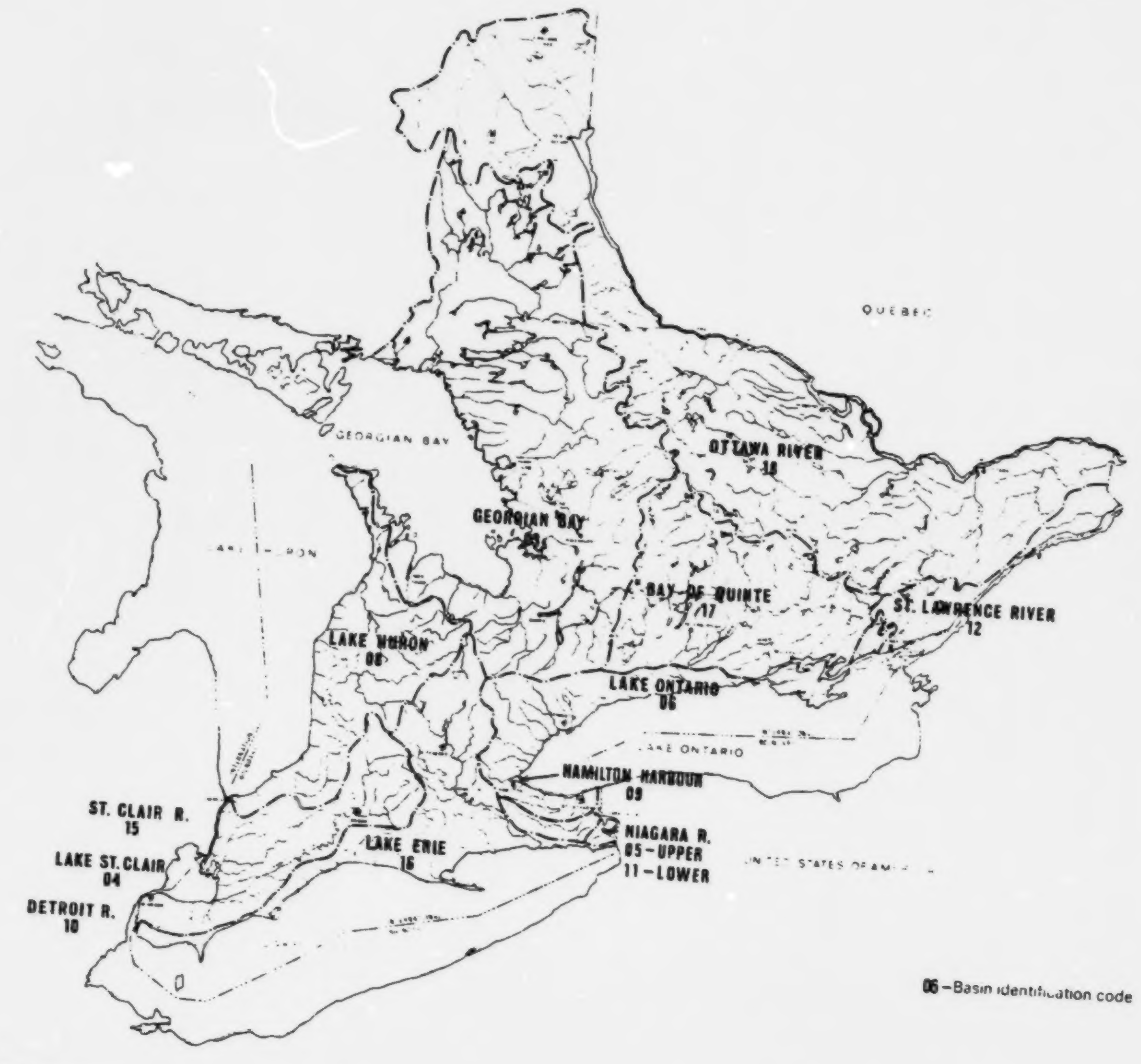
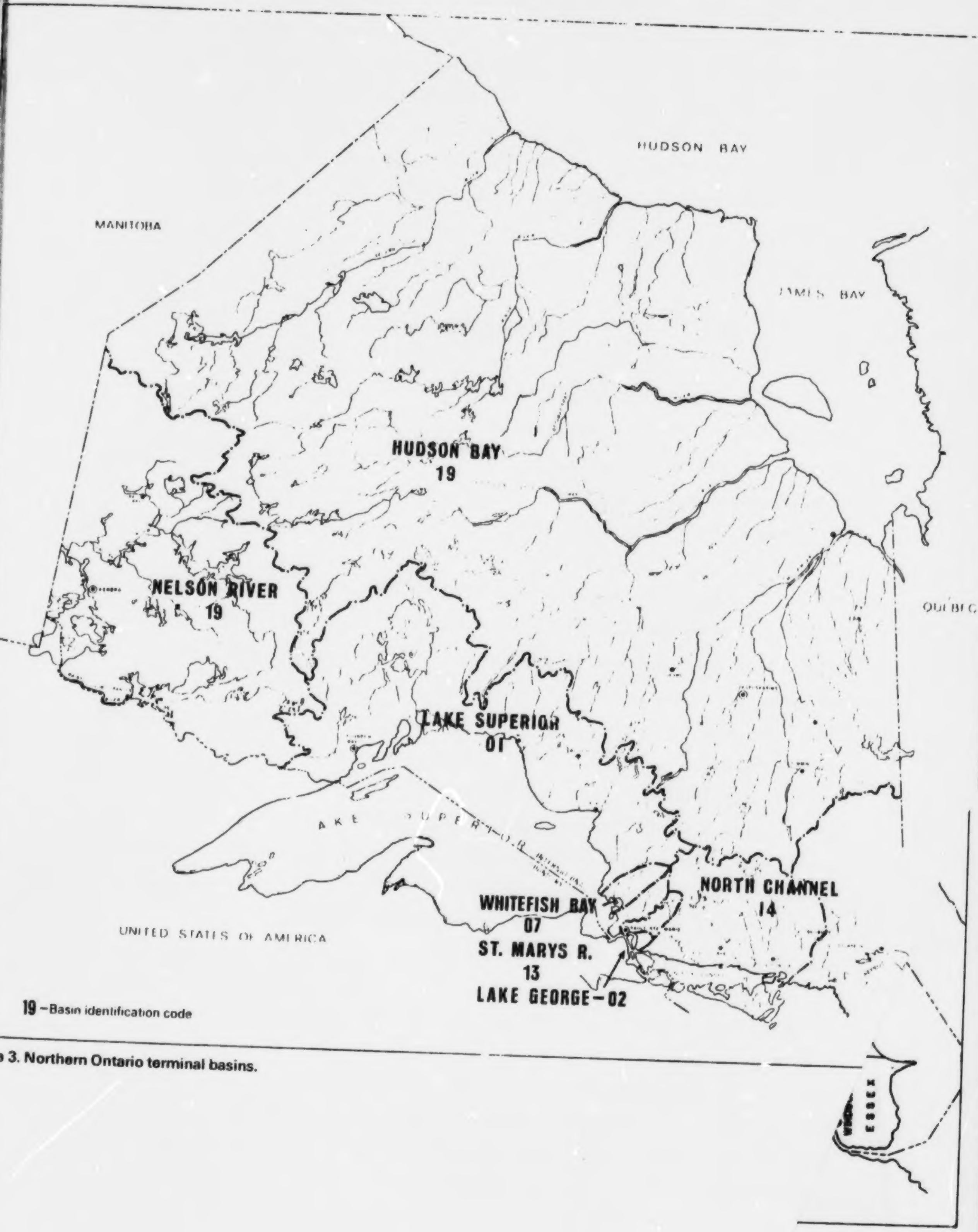

QUEBEC
GEORGIAN BAY
LAKE HURON
OTTAWA RIVER
18
GEORGIAN BAY
BAY OF QUINTE
17
ST. LAWRENCE RIVER
12
LAKE HURON
08
LAKE ONTARIO
06
LAKE ONTARIO
HAMILTON HARBOUR
09
ST. CLAIR R.
15
NIAGARA R.
05 – UPPER
11 – LOWER
LAKE ERIE
16
LAKE ST. CLAIR
04
DETROIT R.
10
06 – Basin identification code

Figure 2. Southern Ontario terminal basins.


HUDSON BAY
MANITOBA
JAMES BAY
HUDSON BAY
19
NELSON RIVER
19
QUEBEC
LAKE SUPERIOR
01
LAKE SUPERIOR
NORTH CHANNEL
14
WHITEFISH BAY
07
ST. MARYS R.
13
LAKE GEORGE–02
UNITED STATES OF AMERICA
19 – Basin identification code
ESSEX

gure 3. Northern Ontario terminal basins.

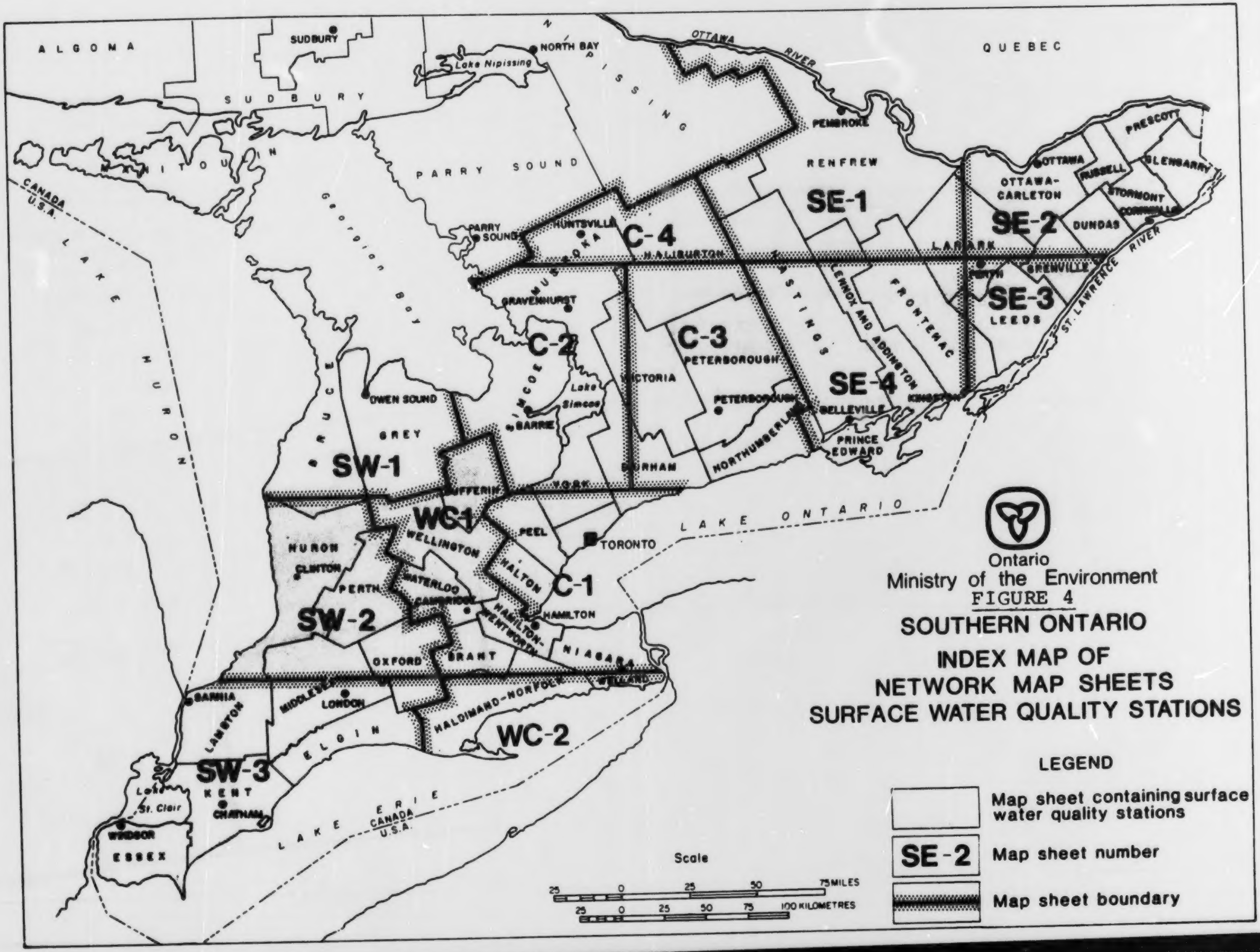
tributary locations which are coincident with the water quality monitoring station locations, mean daily discharge is reported along with the water quality data. The collection of hydrometric data in Ontario has been carried out under a Memorandum of Agreement between the Government of Canada and the Province of Ontario since April, 1975. The Province of Ontario is represented in the Agreement by the Ministry of the Environment, the Ministry of Natural Resources and Ontario Hydro. These agencies meet at regular intervals with the Water Survey of Canada to administer the Agreement.

## NETWORK MAP SHEETS

Individual station locations are identified on specially prepared network maps. These network maps have been drawn to conform approximately to the boundaries of the Ministry's Regions, and are grouped according to Regions. Two index maps (pages X and Xl) illustrate individual map sheet coverages within the Province.

The following procedure was used in the preparation of the maps. Individual base maps within a Region were assembled using the National Topographic Series maps at a scale of 1:250,000. In northern Ontario, this was reduced to a scale of 1:500,000 in the Lake Superior and Nelson River basins, and to a scale of 1:2,000,000 in the Hudson Bay basin. For each base map, an overlay of the river systems was prepared, showing major watershed and Ministry of the Environment Regional boundaries. Numeric terminal basin and stream codes were added, and active water quality monitoring stations were located on each overlay and referenced with station numbers. The overlays were then reduced to approximately 40% of their original size for purposes of this publication.

The previously-mentioned terminal basin and stream code, when combined in sequence with a given station number, form a unique station identifier which appears as the "Station ID". The "Station ID" is listed for all active monitoring stations in the "Sampling Station Directory", an alphabetical listing of terminal streams monitored in Ontario (see page 663).


ALGOMA
SUDBURY
SUDBURY
MANITOULIN
NORTH BAY
Lake Nipissing
NIPISSING
QUEBEC
OTTAWA RIVER
PEMBROKE
RENFREW
PARRY SOUND
PARRY SOUND
CANADA
U.S.A.
LAKE HURON
Georgian Bay
HUNTSVILLE
MUSKOKA
HALIBURTON
GRAVENHURST
SE-1
C-4
PRESCOTT
OTTAWA
OTTAWA-CARLETON
RUSSELL
GLENGARRY
STORMONT
CORNWALL
DUNDAS
SE-2
LANARK
PERTH
GRENVILLE
SE-3
LEEDS
ST. LAWRENCE RIVER
HASTINGS
LENNOX AND ADDINGTON
FRONTENAC
KINGSTON
SE-4
BELLEVILLE
PRINCE EDWARD
C-2
SIMCOE
Lake Simcoe
BARRIE
C-3
VICTORIA
PETERBOROUGH
PETERBOROUGH
NORTHUMBERLAND
DURHAM
YORK
BRUCE
OWEN SOUND
GREY
SW-1
DUFFERIN
WC-1
WELLINGTON
PEEL
TORONTO
LAKE ONTARIO
HURON
CLINTON
PERTH
WATERLOO
CAMBRIDGE
HALTON
C-1
HAMILTON
HAMILTON-WENTWORTH
SW-2
OXFORD
BRANT
NIAGARA
WELLAND
SARNIA
LAMBTON
MIDDLESEX
LONDON
HALDIMAND-NORFOLK
WC-2
ELGIN
SW-3
KENT
CHATHAM
Lake St. Clair
WINDSOR
ESSEX
LAKE ERIE
CANADA
U.S.A.
Scale
25 0 25 50 75 MILES
25 0 25 50 75 100 KILOMETRES

Ontario
Ministry of the Environment

FIGURE 4

SOUTHERN ONTARIO

INDEX MAP OF
NETWORK MAP SHEETS
SURFACE WATER QUALITY STATIONS

LEGEND

| | |
|---|---|
| ☐ | Map sheet containing surface water quality stations |
| SE-2 | Map sheet number |
| ▨ | Map sheet boundary |

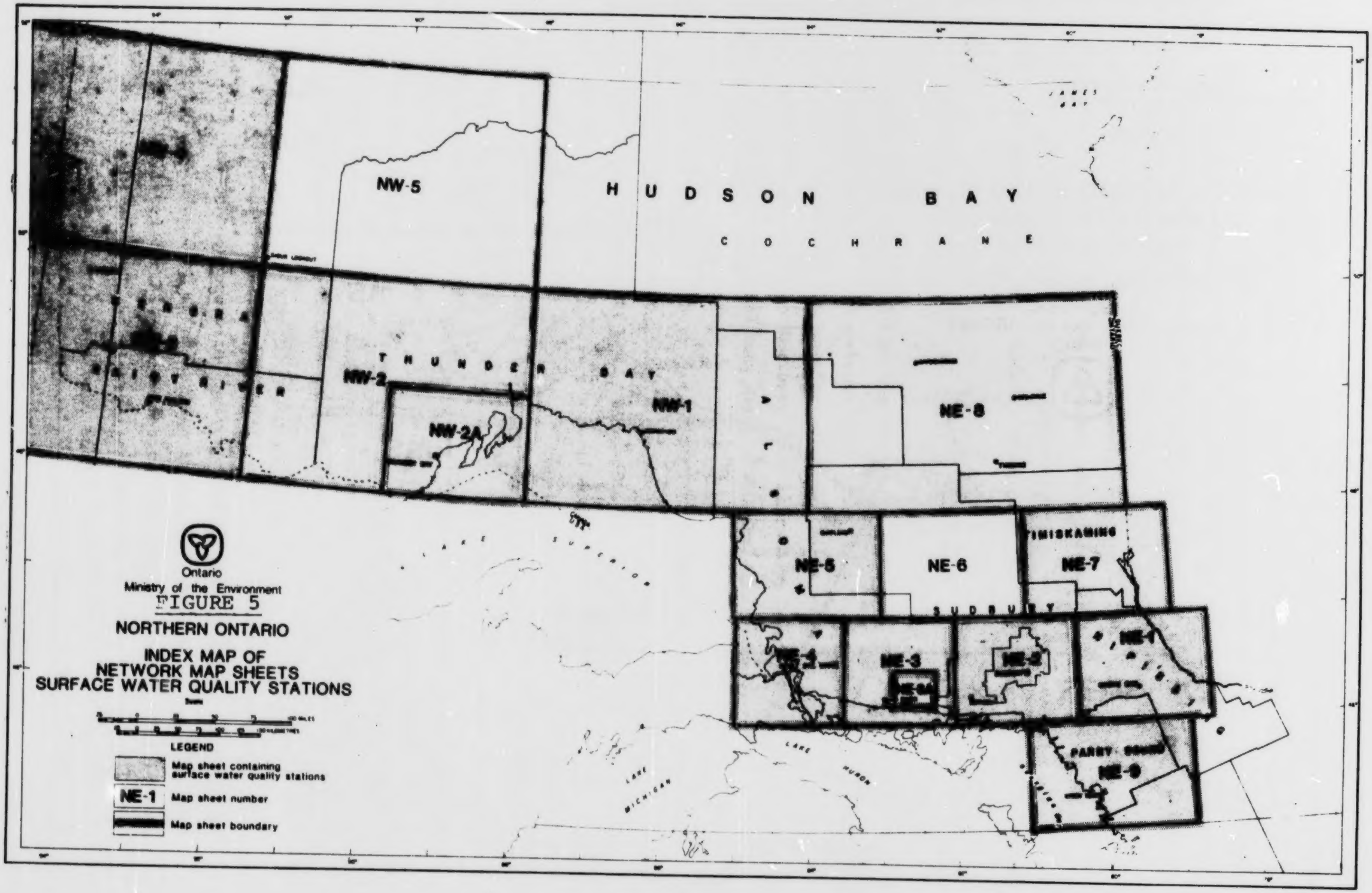

NW-5
HUDSON BAY
COCHRANE
JAMES BAY
KENORA
RAINY RIVER
THUNDER BAY
NW-2
NW-2A
NW-1
NE-8
NE-5
NE-6
TIMISKAMING
NE-7
SUDBURY
NE-4
NE-3
NE-3A
NE-2
NE-1
PARRY SOUND
NE-9
LAKE SUPERIOR
LAKE HURON
LAKE MICHIGAN

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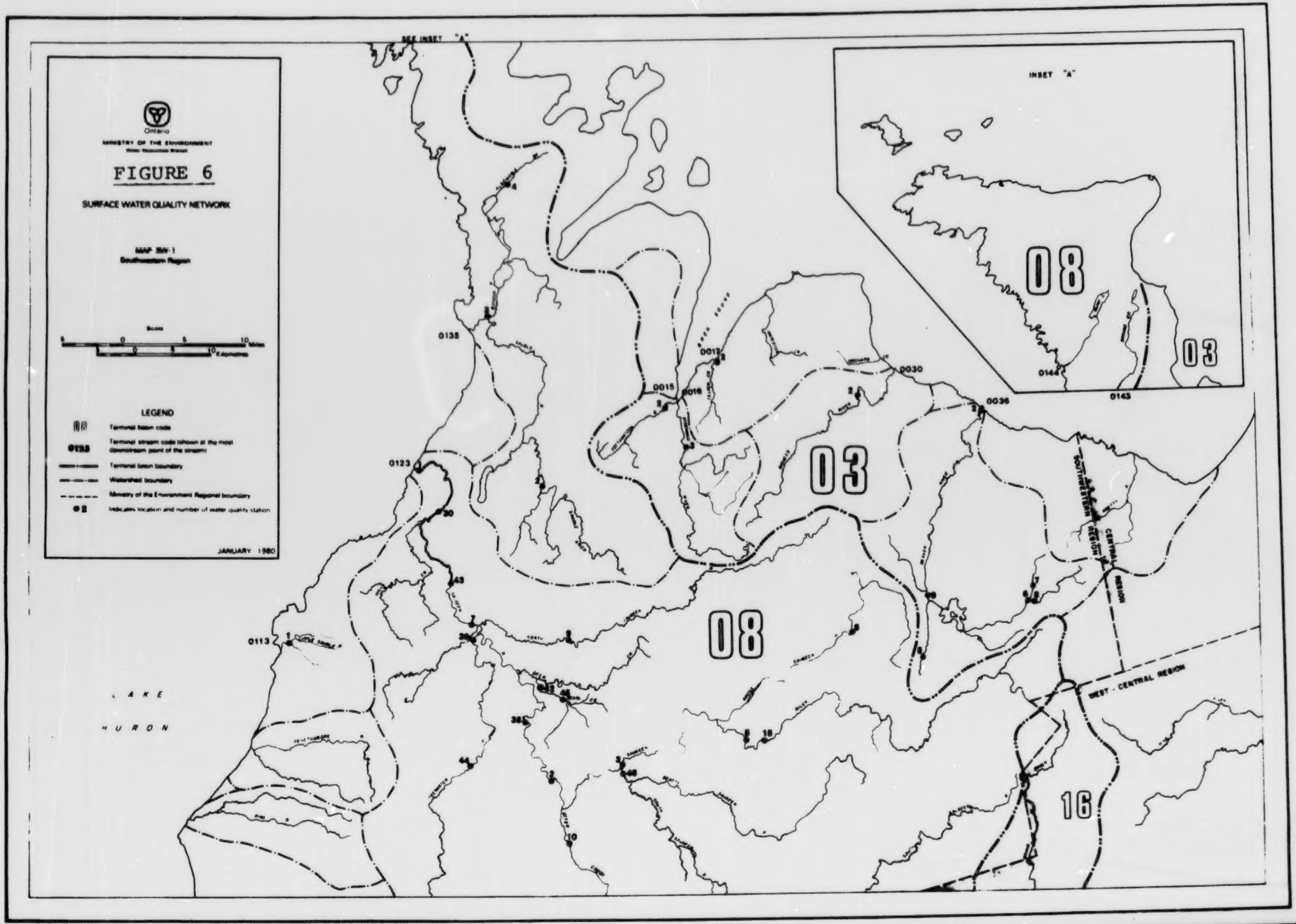
FIGURE 5

NORTHERN ONTARIO

INDEX MAP OF
NETWORK MAP SHEETS
SURFACE WATER QUALITY STATIONS

LEGEND

▨ Map sheet containing surface water quality stations
NE-1 Map sheet number
▬ Map sheet boundary



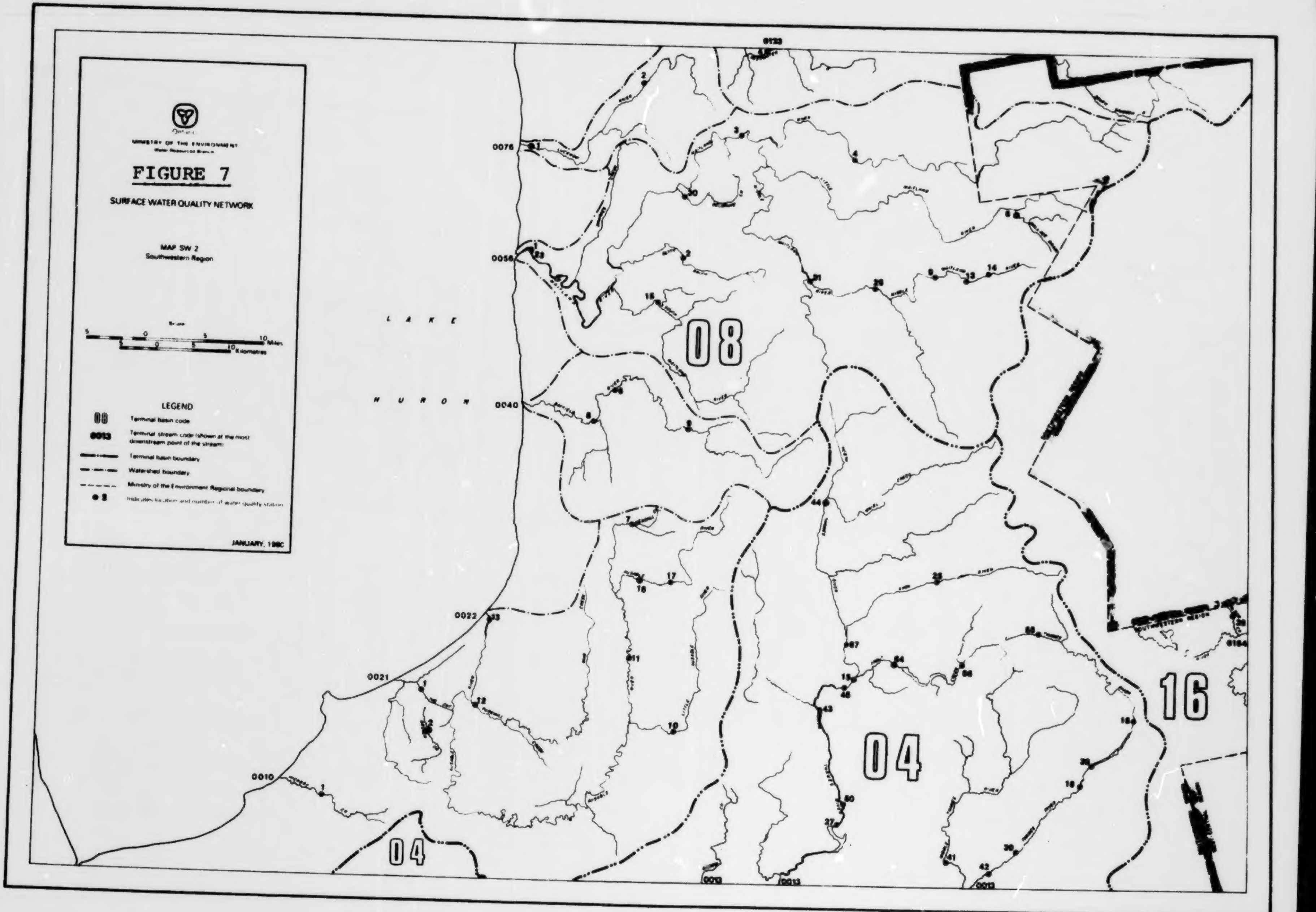
Ontario
MINISTRY OF THE ENVIRONMENT
Water Resources Branch

FIGURE 6

SURFACE WATER QUALITY NETWORK

MAP SW-1
Southwestern Region

Scale
5 0 5 10 Miles
5 0 5 10 Kilometres
LEGEND
08 Terminal basin code
0123 Terminal stream code (shown at the most downstream point of the stream)
Terminal basin boundary
Watershed boundary
Ministry of the Environment Regional boundary
●2 Indicates location and number of water quality station
JANUARY 1980
SEE INSET "A"
INSET "A"
08
03
16
0144
0143
0135
0123
0113
0015
0016
0012
0030
0036
LAKE HURON
SOUTHWESTERN REGION
CENTRAL REGION
WEST - CENTRAL REGION


LAKE HURON
0123
0076
0056
0040
0022
0021
0010
0013
0013
0013
0184
08
04
04
16
1
2
3
4
30
6
1
23
2
15
21
26
8
13
14
6
8
9
44
7
17
18
43
11
1
12
2
10
1
25
67
15
46
24
56
55
43
50
37
41
42
20
18
36
184
SOUTHWESTERN REGION

Ontario
MINISTRY OF THE ENVIRONMENT
Water Resources Branch

FIGURE 7

SURFACE WATER QUALITY NETWORK

MAP SW 2
Southwestern Region

Scale
5
0
5
10 Miles
5
0
5
10 Kilometres

LEGEND

| | |
|---|---|
| 08 | Terminal basin code |
| 0013 | Terminal stream code (shown at the most downstream point of the stream) |
| ━━ · ━━ | Terminal basin boundary |
| ─ · ─ · ─ | Watershed boundary |
| – – – – | Ministry of the Environment Regional boundary |
| ● 2 | Indicates location and number of water quality station |

JANUARY, 1980

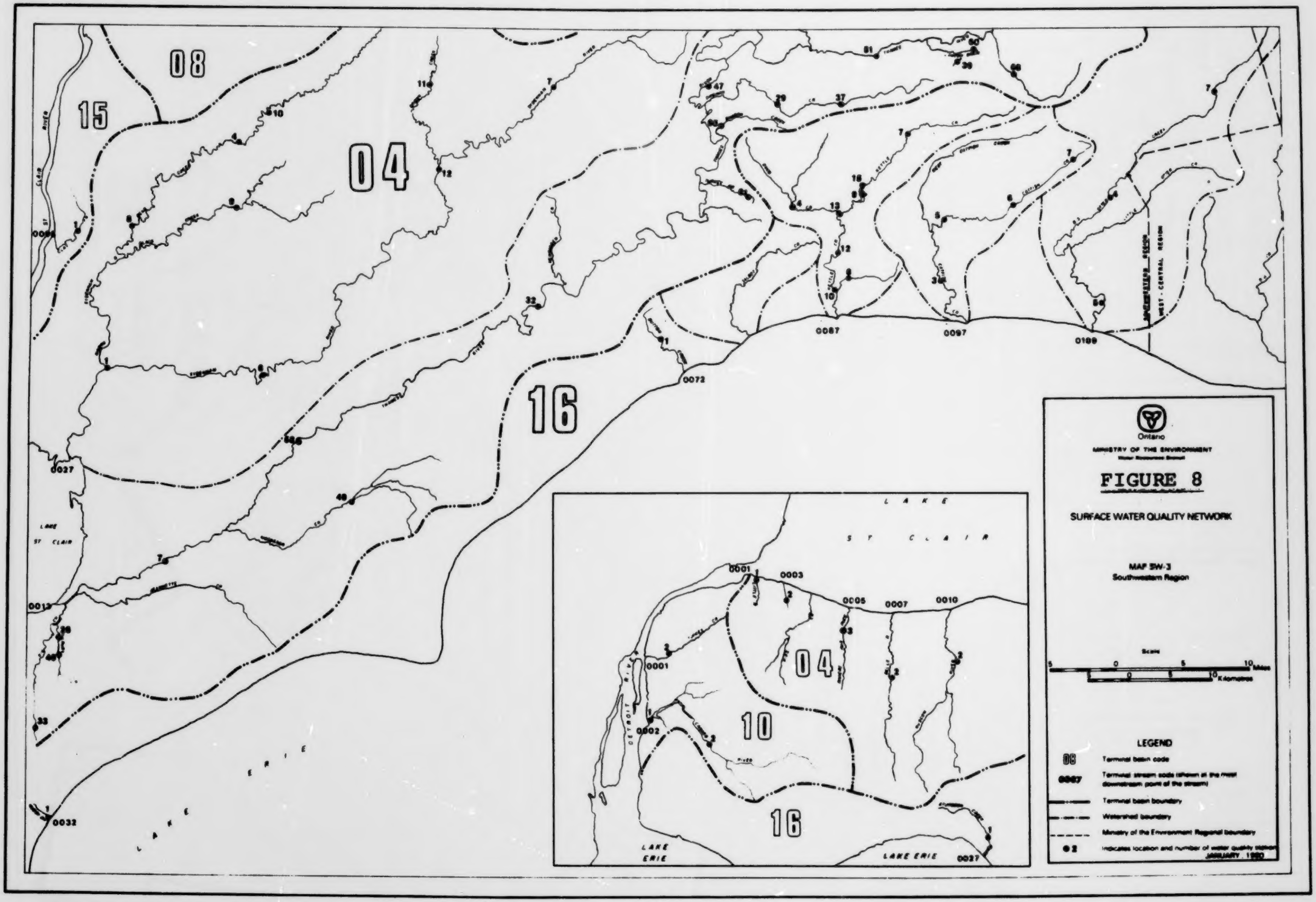
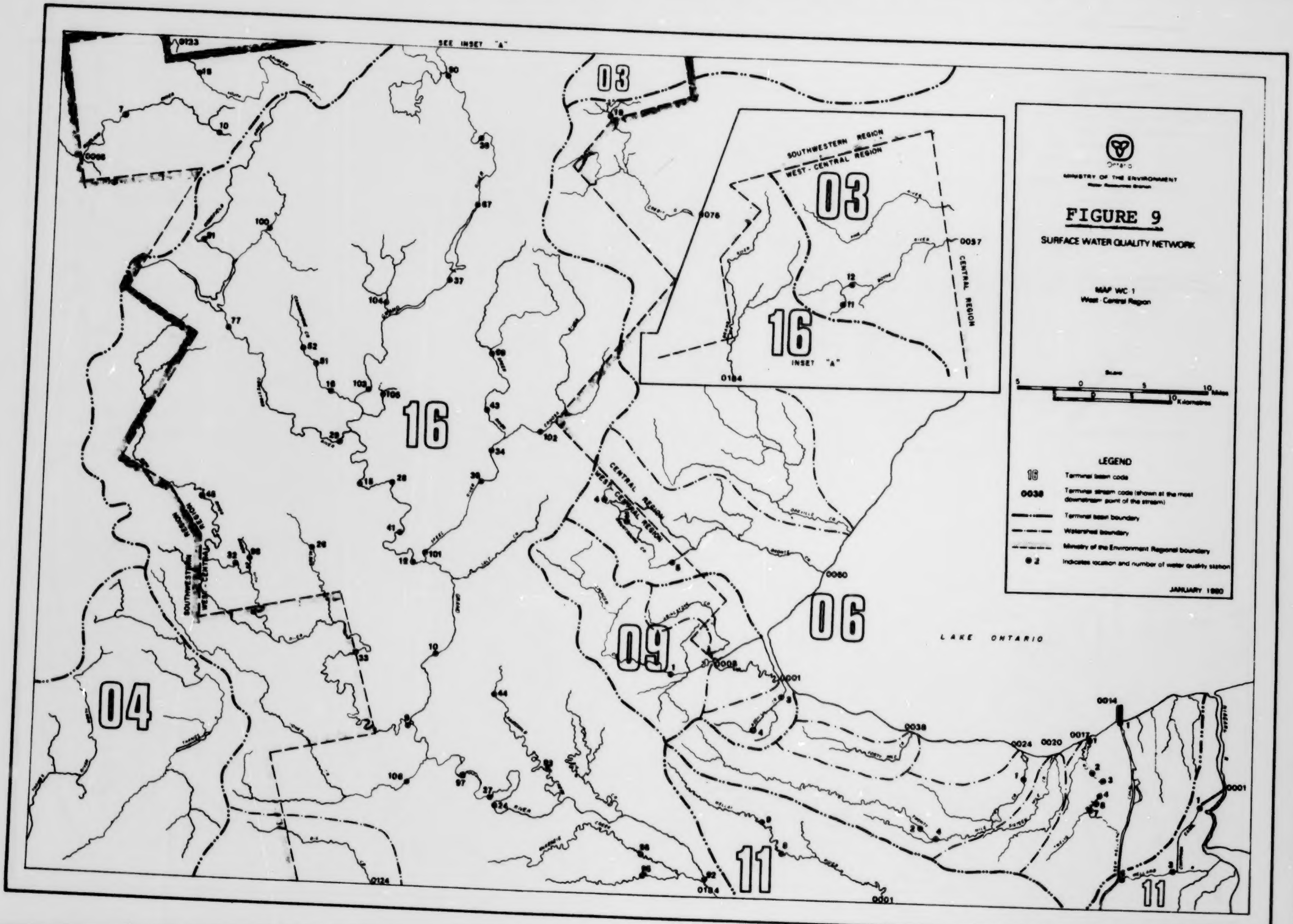

Ontario
MINISTRY OF THE ENVIRONMENT
Water Resources Branch
MAP SW-3
Southwestern Region
Scale
5 0 5 10 Miles
5 0 5 10 Kilometres
LEGEND
08 Terminal basin code
0087 Terminal stream code (shown at the most downstream point of the stream)
Terminal basin boundary
Watershed boundary
Ministry of the Environment Regional boundary
● 2 Indicates location and number of water quality stations
JANUARY, 1980
08
15
04
16
10
0005
0027
0013
0032
0072
0087
0097
0109
0001
0003
0005
0007
0010
0002
0027
LAKE ST CLAIR
LAKE ERIE
DETROIT RIVER
SOUTHWESTERN REGION
WEST - CENTRAL REGION

**FIGURE 8**

SURFACE WATER QUALITY NETWORK



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MINISTRY OF THE ENVIRONMENT
Water Resources Branch

FIGURE 9

SURFACE WATER QUALITY NETWORK

MAP WC 1
West - Central Region

Scale
5
0
5
10 Miles
10 Kilometres
LEGEND
16 Terminal basin code
0038 Terminal stream code (shown at the most downstream point of the stream)
Terminal basin boundary
Watershed boundary
Ministry of the Environment Regional boundary
● 2 Indicates location and number of water quality station
JANUARY 1980
SEE INSET "A"
INSET "A"
SOUTHWESTERN REGION
WEST - CENTRAL REGION
CENTRAL REGION
LAKE ONTARIO
03
04
06
09
11
16
0001
0008
0014
0017
0020
0024
0038
0050
0066
0076
0037
0123
0124
0184

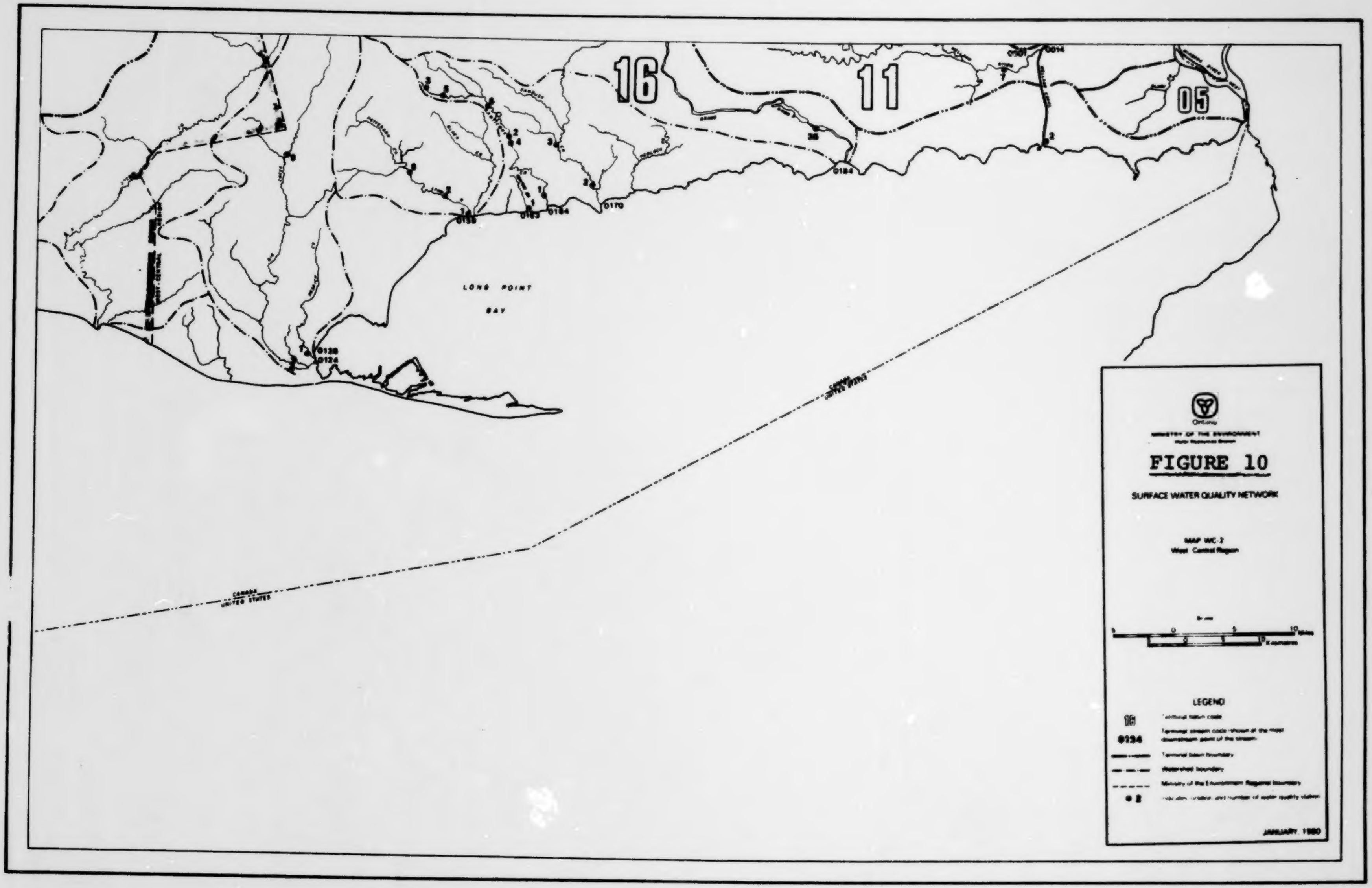
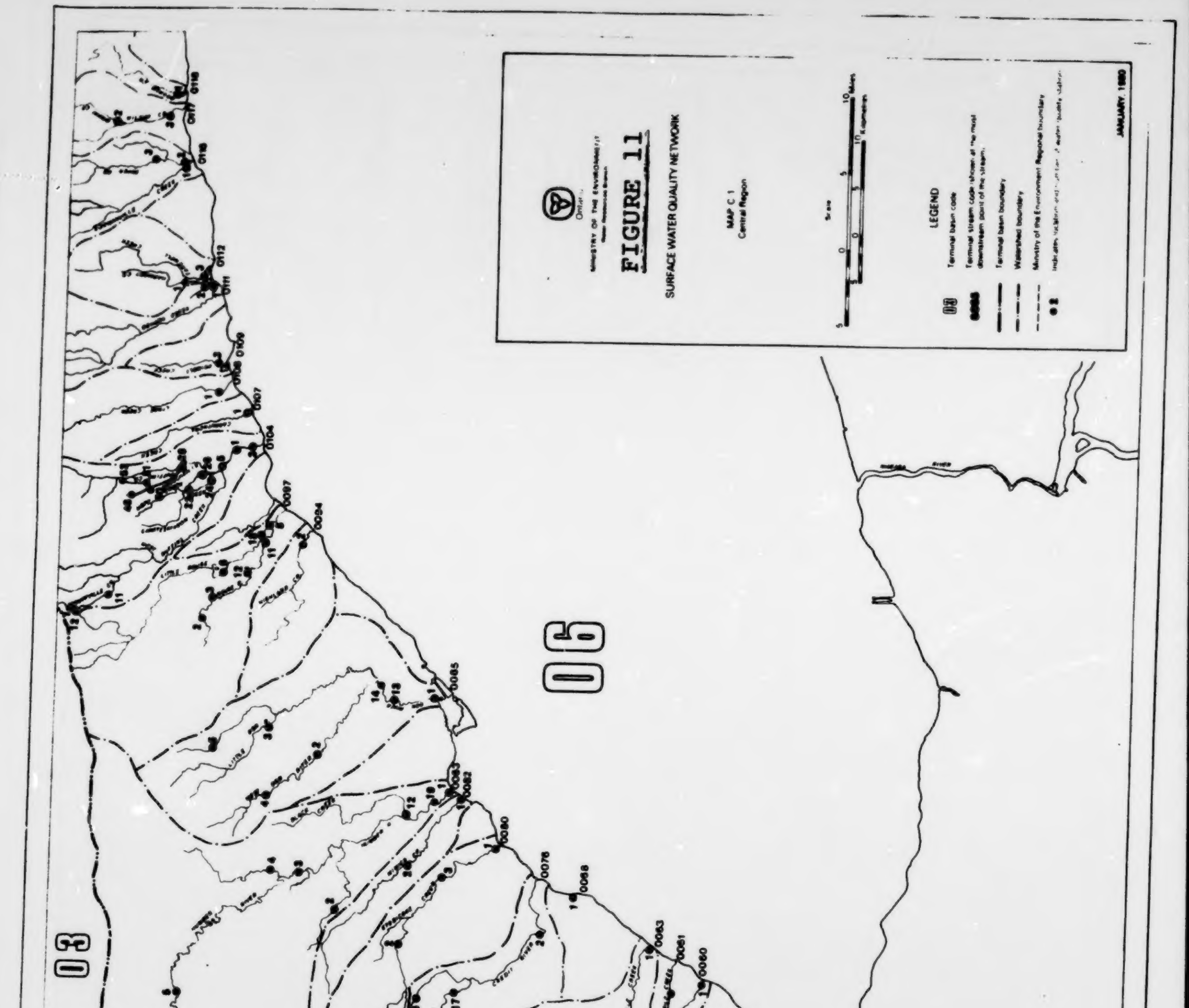

16
11
05
0014
0184
0170
0164
0163
0155
0126
0124
LONG POINT
BAY
CANADA
UNITED STATES
Ontario
MINISTRY OF THE ENVIRONMENT
Water Resources Branch
0
5
10 Miles
0
5
10 Kilometres
LEGEND
16 Terminal basin code
0124 Terminal stream code (shown at the most downstream point of the stream)
Terminal basin boundary
Watershed boundary
Ministry of the Environment Regional boundary
● 2 Location and number of water quality station
JANUARY, 1980

FIGURE 10

SURFACE WATER QUALITY NETWORK

MAP WC-2
West Central Region


Ontario
MINISTRY OF THE ENVIRONMENT
FIGURE 11
SURFACE WATER QUALITY NETWORK
MAP C 1
Central Region
Scale
5 0 5 10 Miles
5 0 5 10 Kilometres
LEGEND
03 Terminal basin code
0085 Terminal stream code (shown at the most downstream point of the stream)
Terminal basin boundary
Watershed boundary
Ministry of the Environment Regional boundary
● 8 Indicates location and number of water quality station
JANUARY, 1980
03
06
09
16
0060
0061
0063
0068
0076
0080
0082
0083
0085
0094
0097
0104
0107
0108
0109
0111
0112
0116
0117
0118
0009
WEST CENTRAL REGION
CENTRAL REGION
CREDIT RIVER
HAMILTON HARBOUR

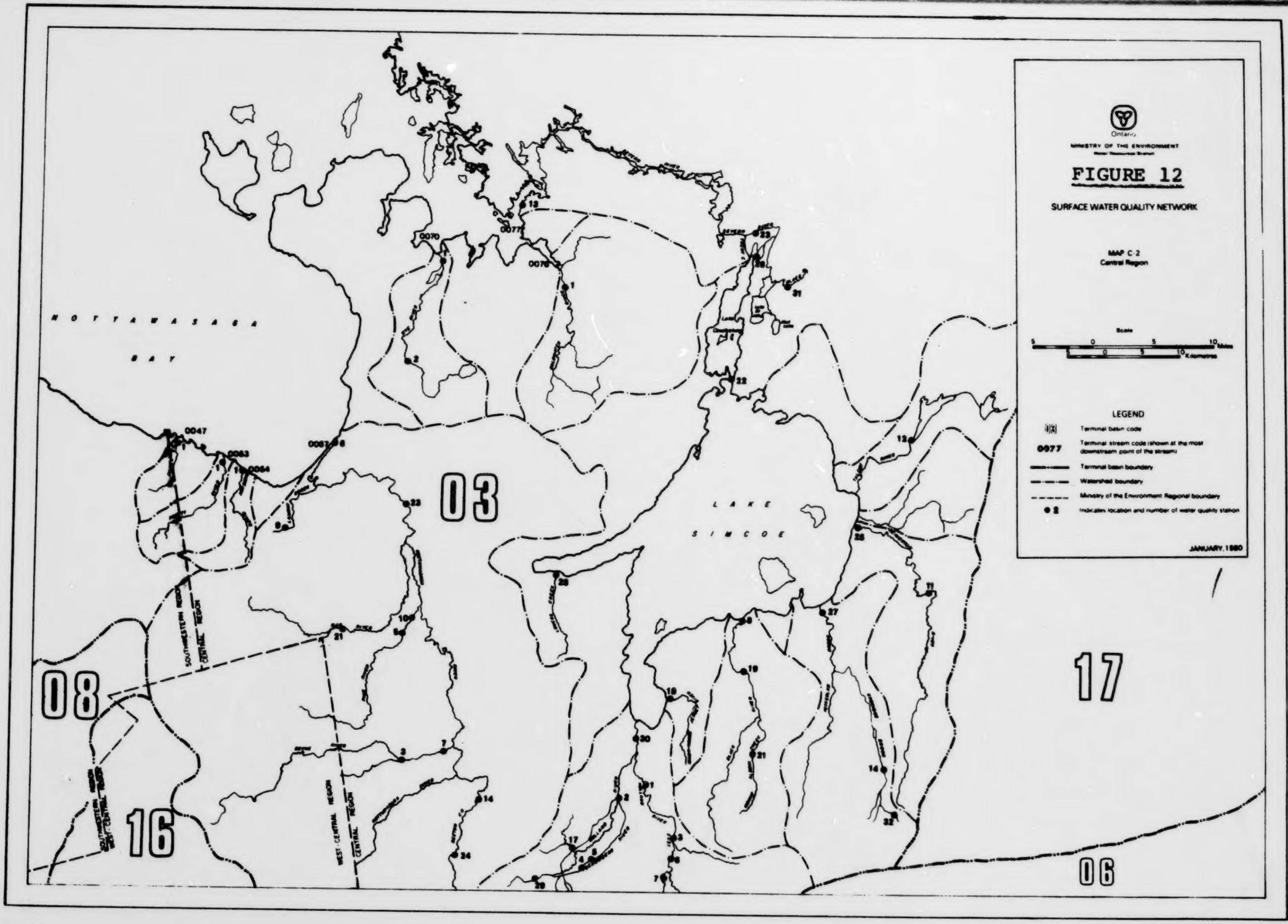

N O T T A W A S A G A
B A Y
L A K E
S I M C O E
03
08
16
17
06
0047
0063
0064
0067
0070
0076
0077
SOUTHWESTERN REGION
CENTRAL REGION
WEST-CENTRAL REGION
Ontario
MINISTRY OF THE ENVIRONMENT
Water Resources Branch
Scale
5 0 5 10 Miles
5 0 5 10 Kilometres
LEGEND
03 Terminal basin code
0077 Terminal stream code (shown at the most downstream point of the stream)
Terminal basin boundary
Watershed boundary
Ministry of the Environment Regional boundary
● 2 Indicates location and number of water quality station
JANUARY, 1980

FIGURE 12

SURFACE WATER QUALITY NETWORK

MAP C-2
Central Region

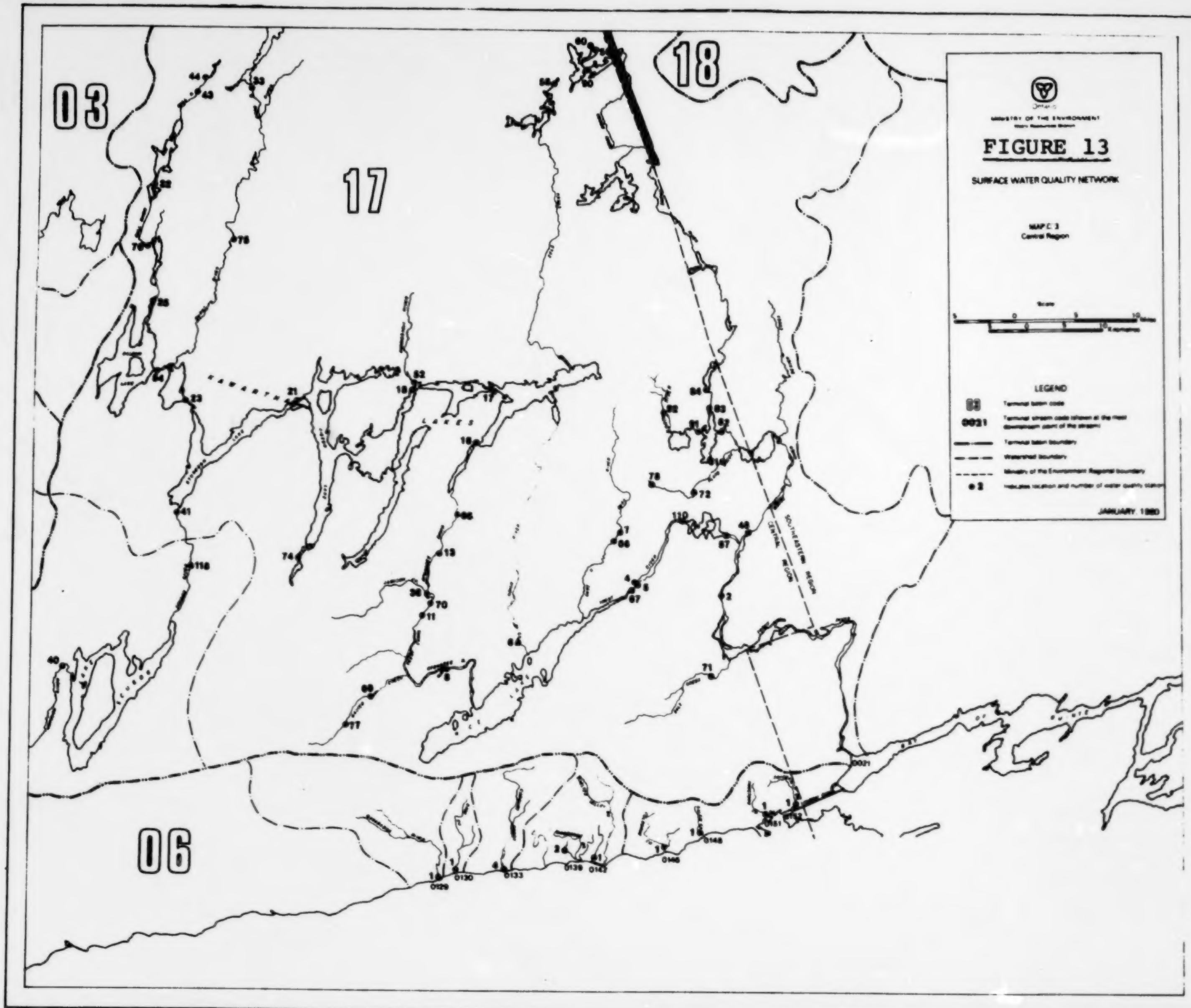

Ontario
MINISTRY OF THE ENVIRONMENT
Water Resources Branch
MAP C 3
Central Region
Scale
5 0 5 10 Miles
5 0 5 10 Kilometres
LEGEND
03 Tertiary basin code
0021 Tertiary stream code (shown at the most downstream point of the stream)
Tertiary basin boundary
Watershed boundary
Ministry of the Environment Regional boundary
● 2 Indicates location and number of water quality station
JANUARY 1980
03
17
18
06
SOUTHEASTERN REGION
CENTRAL REGION
0021
0129
0130
0133
0139
0142
0146
0148
0151

**FIGURE 13**

SURFACE WATER QUALITY NETWORK

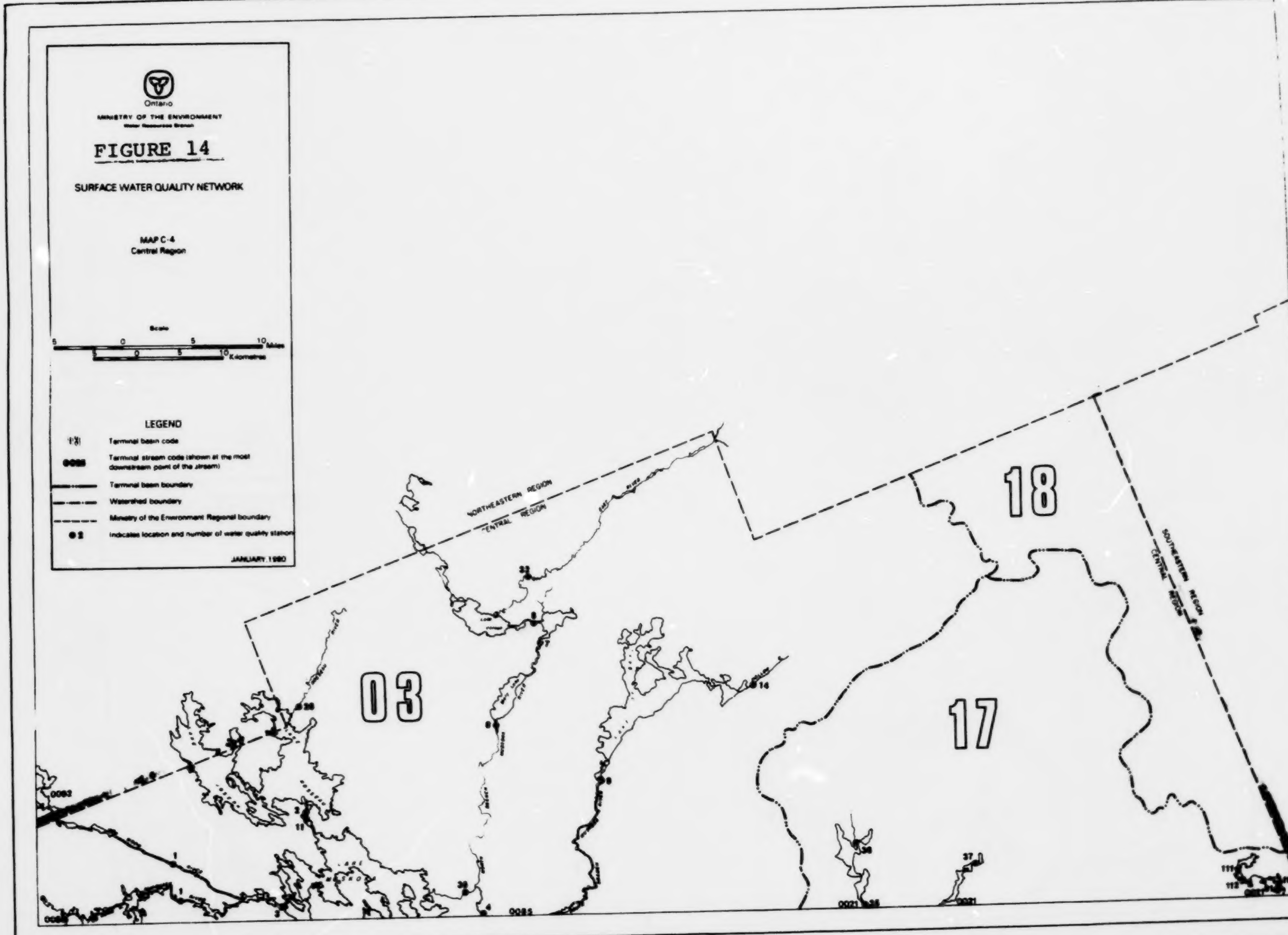


FIGURE 14

SURFACE WATER QUALITY NETWORK

Ontario
MINISTRY OF THE ENVIRONMENT
Water Resources Branch
MAP C-4
Central Region
Scale
5 0 5 10 Miles
5 0 5 10 Kilometres
LEGEND
Terminal basin code
Terminal stream code (shown at the most downstream point of the stream)
Terminal basin boundary
Watershed boundary
Ministry of the Environment Regional boundary
Indicates location and number of water quality station
JANUARY 1980
NORTHEASTERN REGION
CENTRAL REGION
SOUTHEASTERN REGION
CENTRAL REGION
03
17
18
0082
0085
0021
0021
32
26
14
37
38

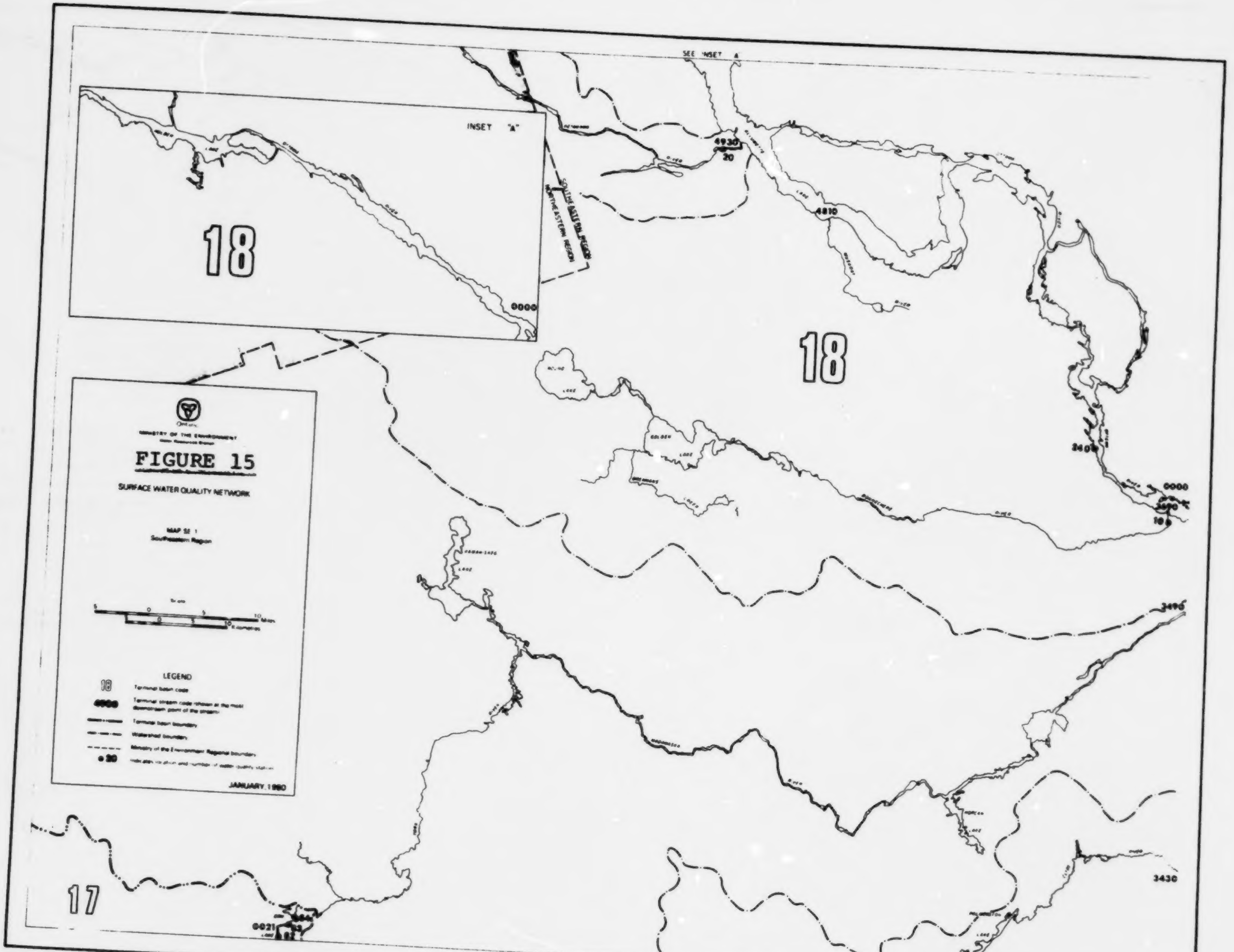
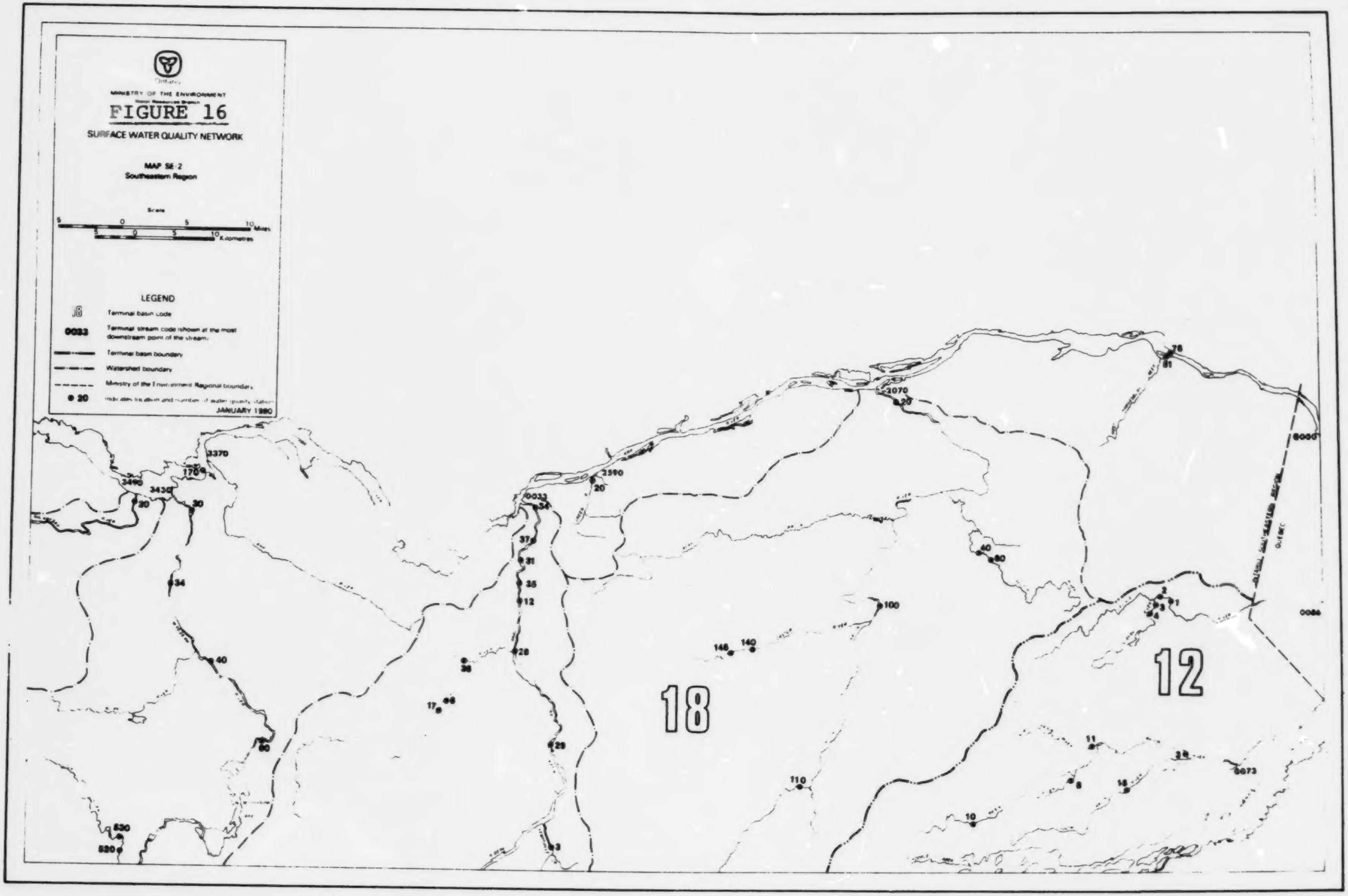

SEE INSET "A"
INSET "A"
18
0000
SOUTHEASTERN REGION
NORTHEASTERN REGION
4930
20
4810
18
3400
0000
3490
10
3490
3430
17
0021
Ontario
MINISTRY OF THE ENVIRONMENT
Water Resources Branch
MAP SE 1
Southeastern Region
Scale
5 0 5 10 Miles
0 5 10 Kilometres
LEGEND
18 Terminal basin code
4900 Terminal stream code shown at the most downstream point of the stream
Terminal basin boundary
Watershed boundary
Ministry of the Environment Regional boundary
● 20 Indicates location and number of water quality station
JANUARY, 1980

FIGURE 15

SURFACE WATER QUALITY NETWORK



Ontario

MINISTRY OF THE ENVIRONMENT

Water Resources Branch

FIGURE 16

SURFACE WATER QUALITY NETWORK

MAP SE-2
Southeastern Region

Scale
5 0 5 10 Miles
5 0 5 10 Kilometres
LEGEND
18 Terminal basin code
0033 Terminal stream code (shown at the most downstream point of the stream)
Terminal basin boundary
Watershed boundary
Ministry of the Environment Regional boundary
● 20 Indicates location and number of water quality station
JANUARY 1980
18
12
QUEBEC
0000
0086
0033
0073
2070
2390
3370
3430
3490
78
81
20
30
30
170
34
40
60
520
530
37
31
35
12
28
36
17
46
29
3
100
140
146
110
40
50
1
2
3
4
11
24
8
16
10

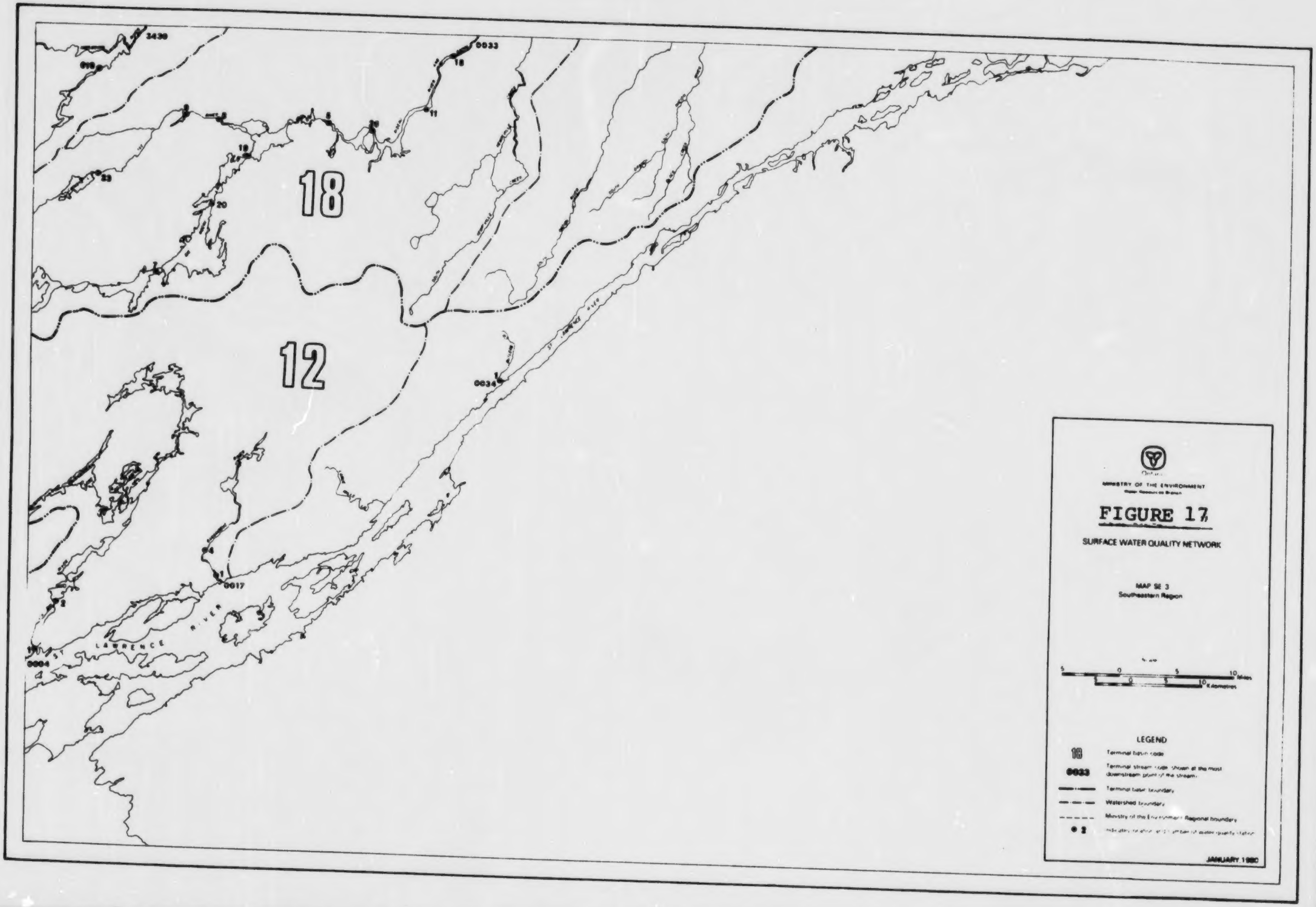
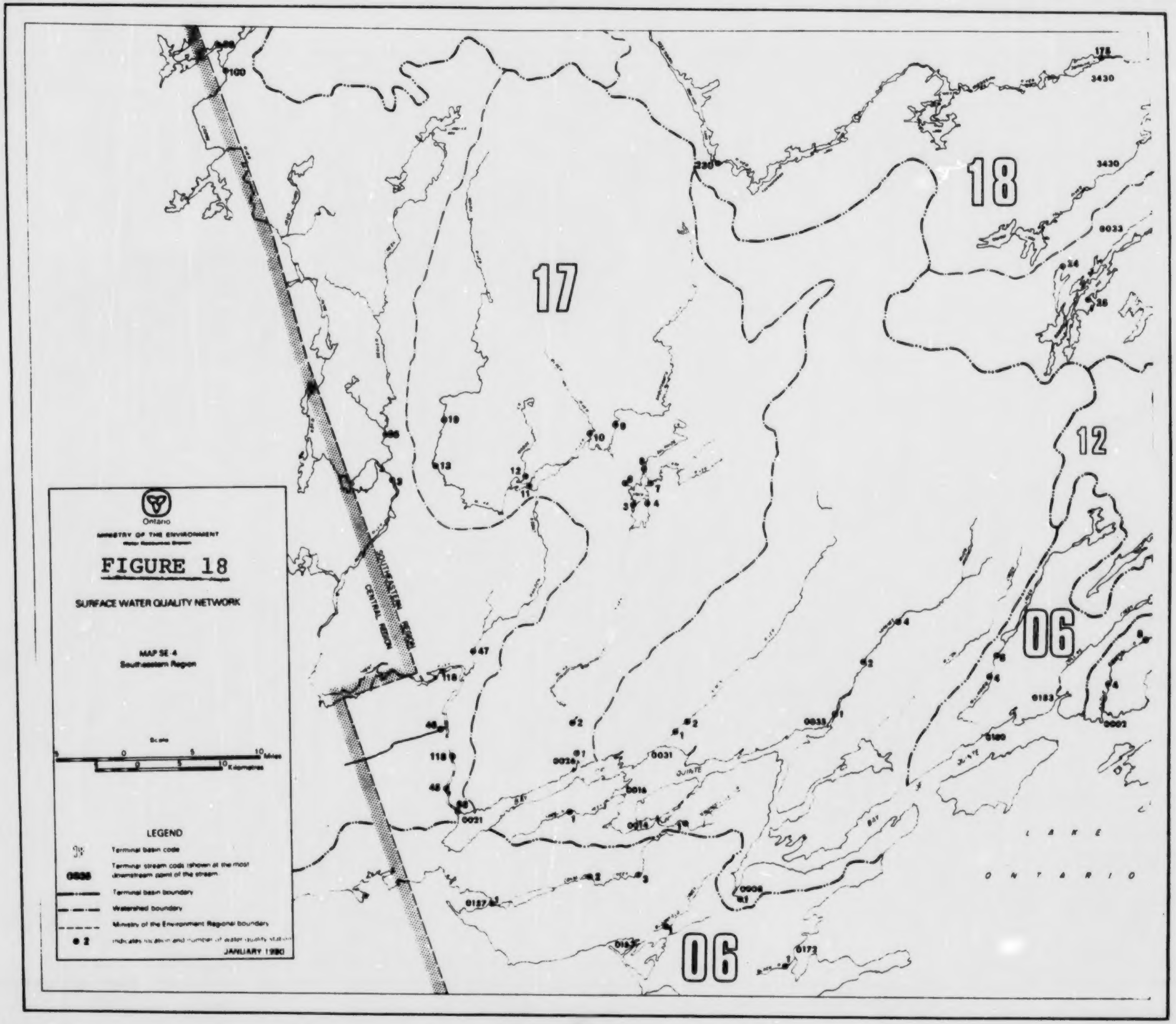
 
MINISTRY OF THE ENVIRONMENT
Water Resources Branch
MAP SE 3
Southeastern Region
Scale
5 0 5 10 Miles
5 0 5 10 Kilometres
LEGEND
18 Terminal basin code
0033 Terminal stream code shown at the most downstream point of the stream.
Terminal basin boundary
Watershed boundary
Ministry of the Environment Regional boundary
● 2 Indicates location and number of water quality station
JANUARY 1980
18
12
ST. LAWRENCE RIVER
0033
0034
0017
0004
2430
010
18
11
20
5
19
20
33
8
2
24
1

FIGURE 17

SURFACE WATER QUALITY NETWORK


17
18
12
06
06
LAKE ONTARIO
QUINTE
BAY
SOUTHEASTERN REGION
CENTRAL REGION
3430
3430
175
230
0033
0031
0026
0021
0016
0014
0035
0183
0180
0002
0008
0127
0153
0172
Scale
0 5 10 Miles
0 5 10 Kilometres
LEGEND
Terminal basin code
0836 Terminal stream code (shown at the most downstream point of the stream)
Terminal basin boundary
Watershed boundary
Ministry of the Environment Regional boundary
● 2 indicates location and number of water quality stations

Ontario
MINISTRY OF THE ENVIRONMENT
Water Resources Branch

FIGURE 18

SURFACE WATER QUALITY NETWORK

MAP SE-4
Southeastern Region

JANUARY 1980

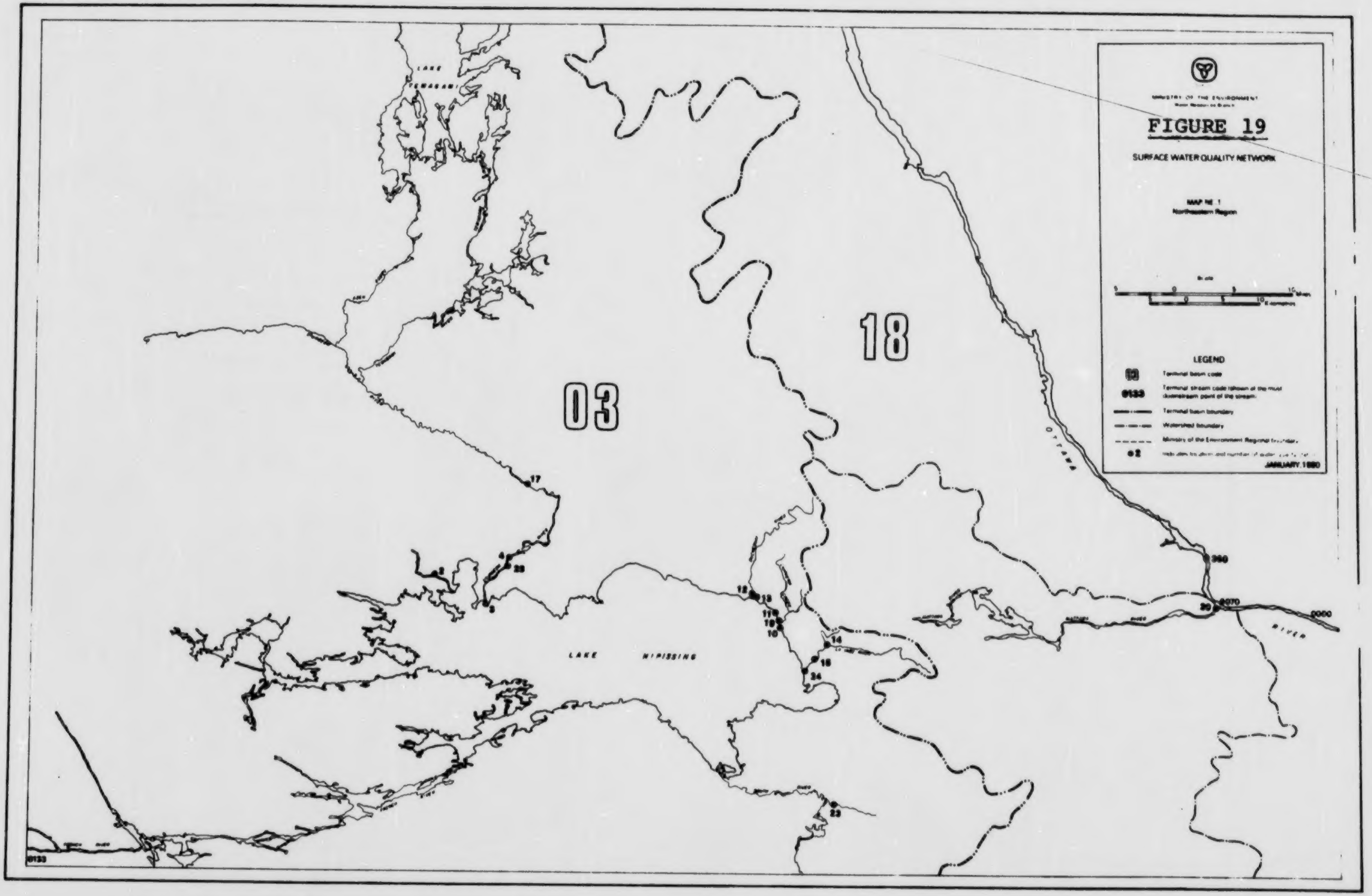
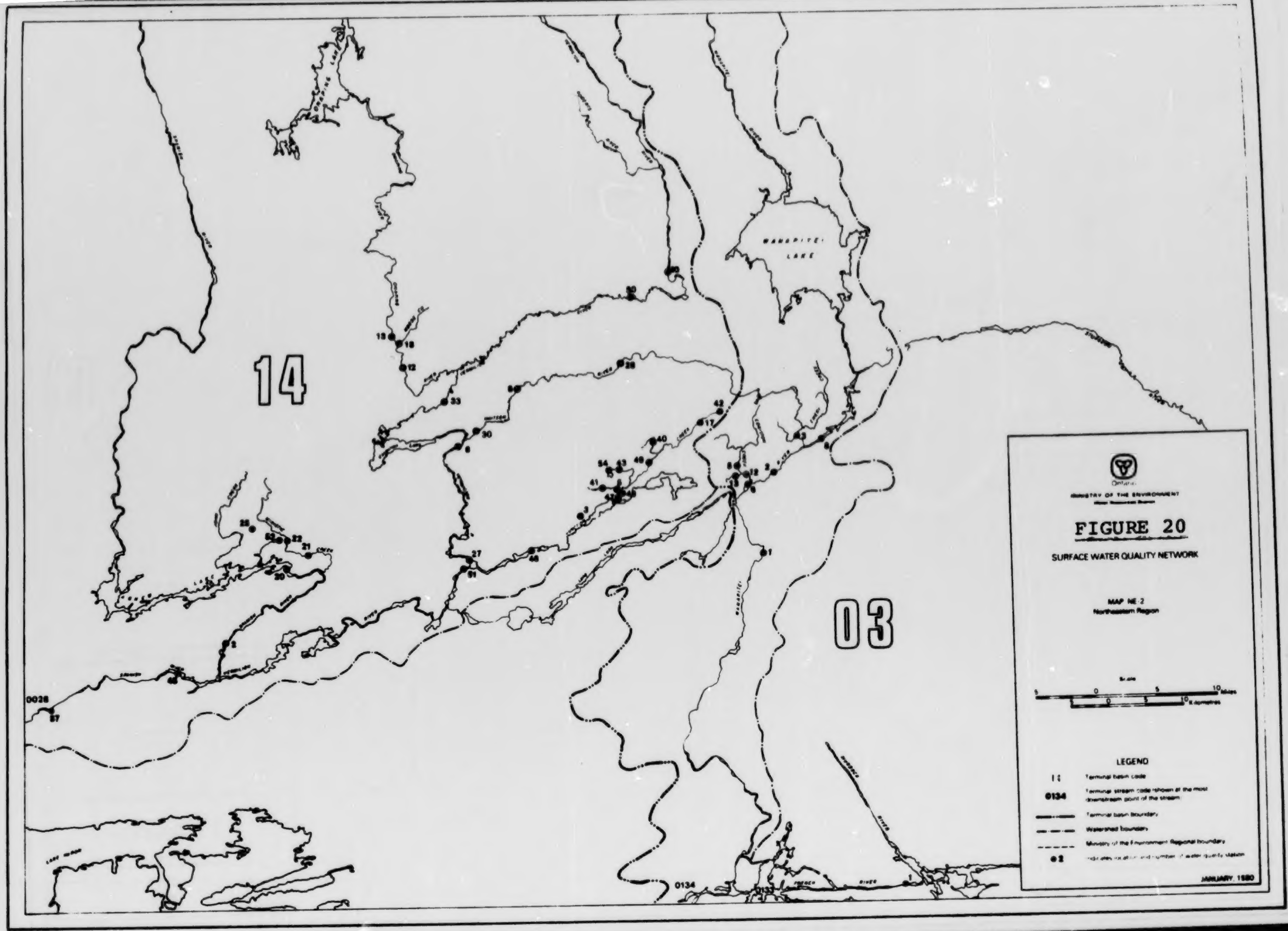

MINISTRY OF THE ENVIRONMENT
Water Resources Branch

FIGURE 19

SURFACE WATER QUALITY NETWORK

MAP NE 1
Northeastern Region
Scale
5 0 5 10 Miles
5 0 5 10 Kilometres
LEGEND
03 Terminal basin code
0133 Terminal stream code (shown at the most downstream point of the stream)
Terminal basin boundary
Watershed boundary
Ministry of the Environment Regional boundary
● 2 [illegible]
JANUARY 1980
LAKE TEMAGAMI
LAKE NIPISSING
OTTAWA
RIVER
03
18
17
4
25
2
3
12
13
11
19
10
14
16
24
23
350
20
0070
0000
0133



Ontario

MINISTRY OF THE ENVIRONMENT

FIGURE 20

SURFACE WATER QUALITY NETWORK

MAP NE-2
Northeastern Region

JANUARY, 1980

14
03
WANAPITEI LAKE
0028
0134
Scale
5 0 5 10 Miles
5 0 5 10 Kilometres
LEGEND
14 Terminal basin code
0134 Terminal stream code (shown at the most downstream point of the stream)
Terminal basin boundary
Watershed boundary
Ministry of the Environment Regional boundary
● 2 Indicates location and number of water quality station

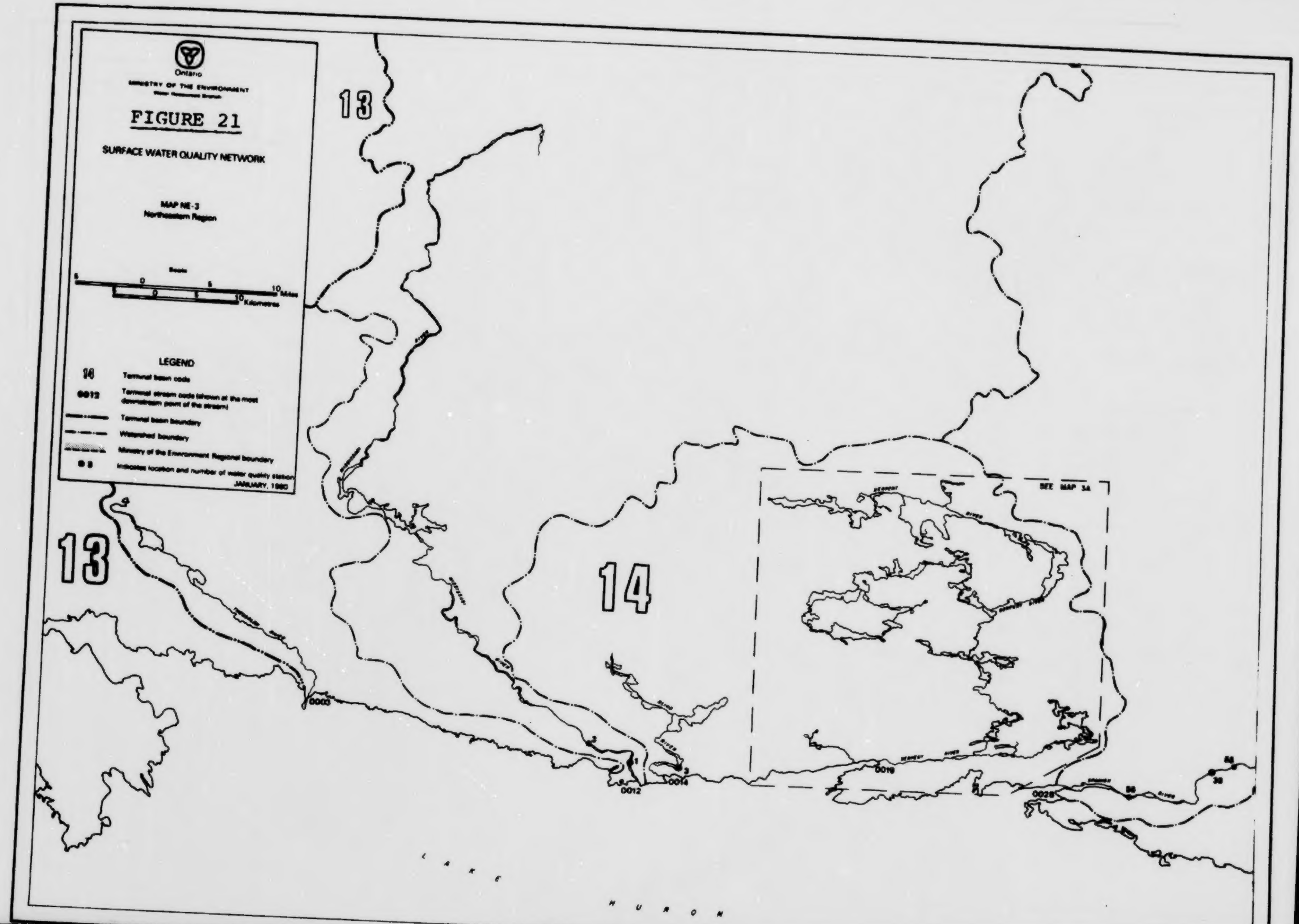
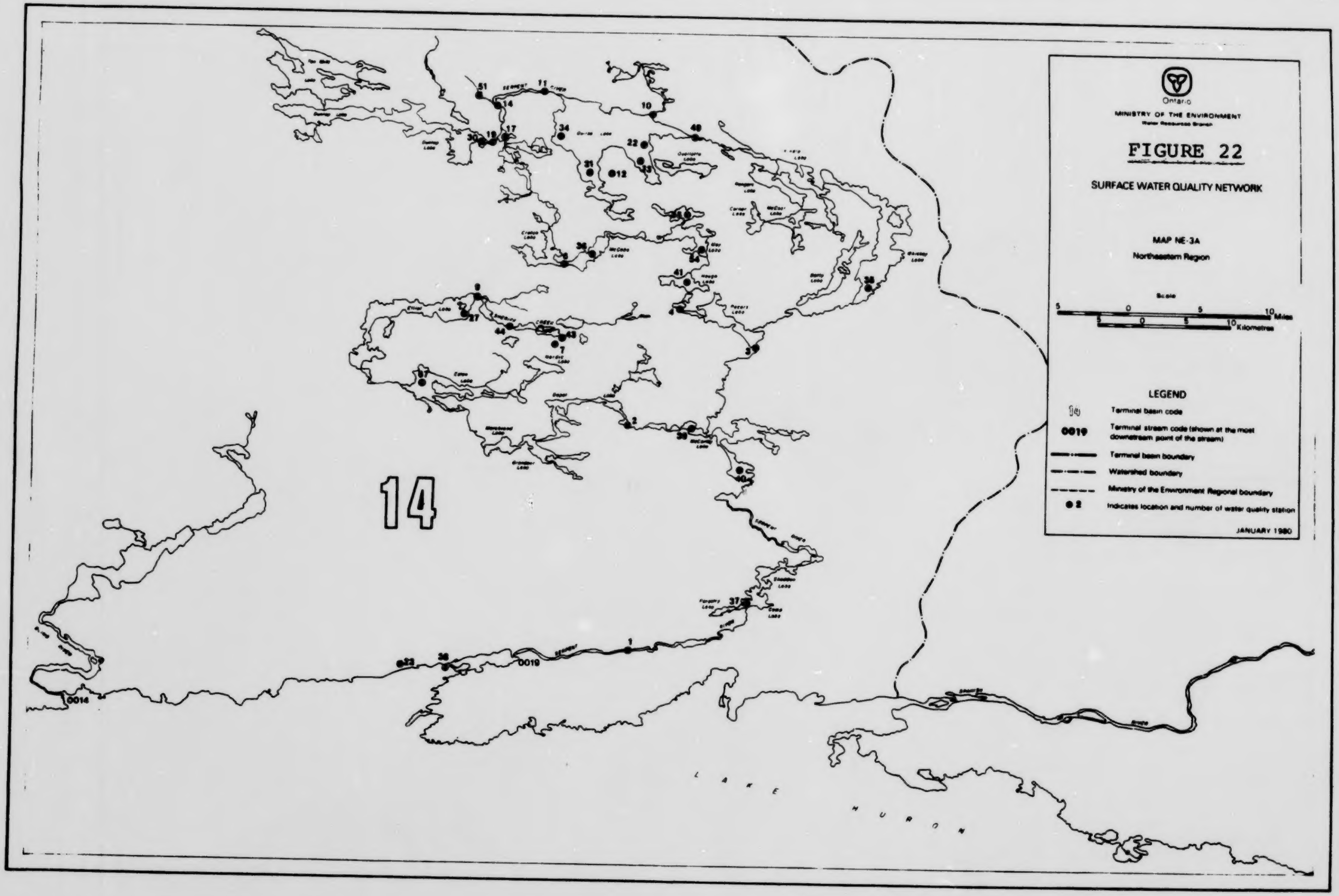


FIGURE 21

SURFACE WATER QUALITY NETWORK

Ontario
MINISTRY OF THE ENVIRONMENT
Water Resources Branch
MAP NE-3
Northeastern Region
Scale
5 0 5 10 Miles
5 0 5 10 Kilometres
LEGEND
14 Terminal basin code
0012 Terminal stream code (shown at the most downstream point of the stream)
Terminal basin boundary
Watershed boundary
Ministry of the Environment Regional boundary
● 3 Indicates location and number of water quality station
JANUARY, 1980
13
13
14
SEE MAP 3A
0003
0012
0014
0019
0028
1
2
3
4
56
LAKE
HURON



Ontario

MINISTRY OF THE ENVIRONMENT
Water Resources Branch

## FIGURE 22

SURFACE WATER QUALITY NETWORK

MAP NE-3A
Northeastern Region

| | |
|---|---|
| 14 | Terminal basin code |
| 0019 | Terminal stream code (shown at the most downstream point of the stream) |
| ━━━━ | Terminal basin boundary |
| ━ · ━ · ━ | Watershed boundary |
| — — — — | Ministry of the Environment Regional boundary |
| ● 2 | Indicates location and number of water quality station |

JANUARY 1980

Scale
5 0 5 10 Miles
5 0 5 10 Kilometres
LEGEND
14
0019
0014
51
11
14
10
49
34
22
30
19
17
31
12
13
36
41
4
9
27
44
43
7
3
57
2
39
40
38
37
1
23
36
LAKE HURON

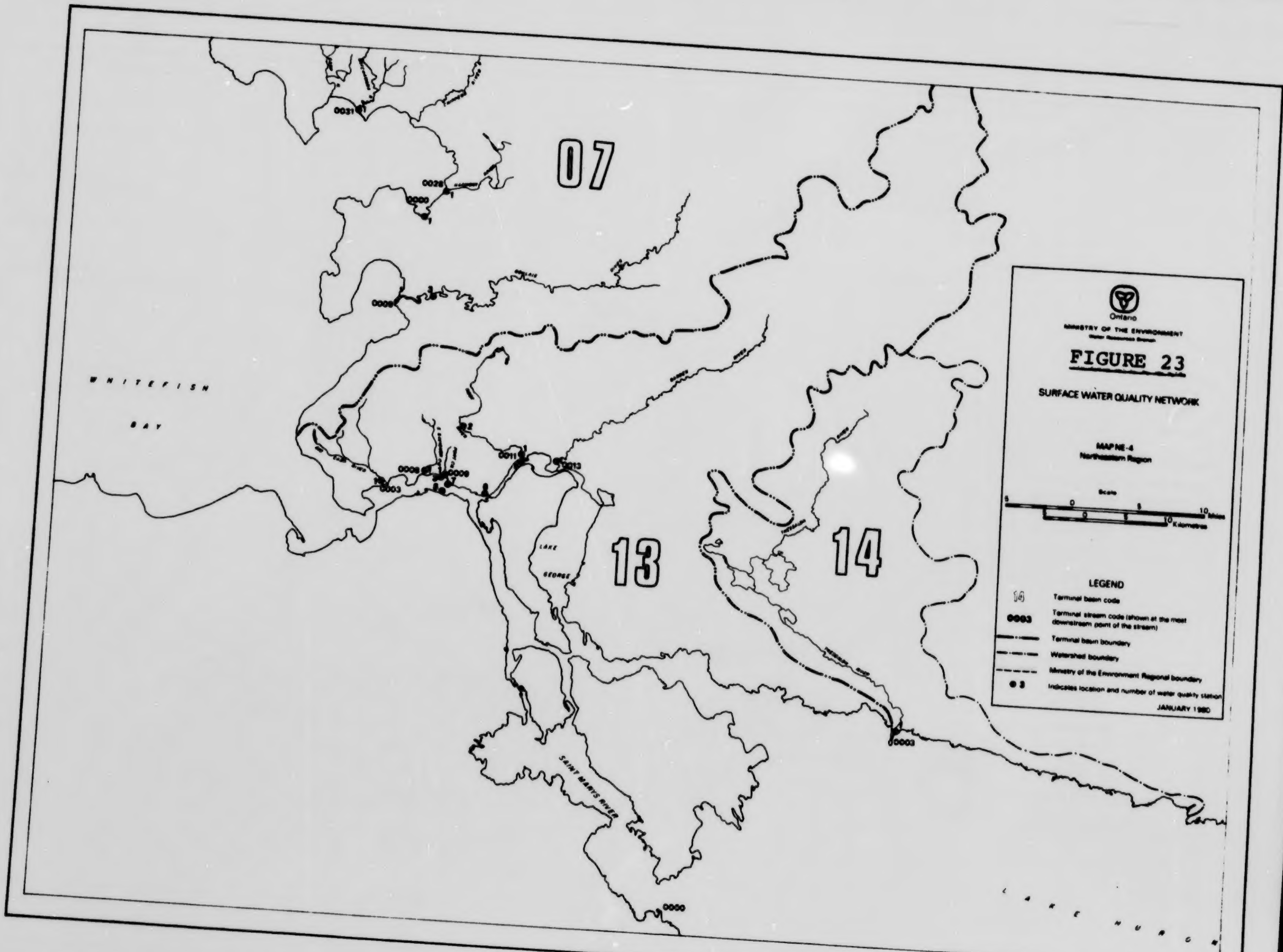
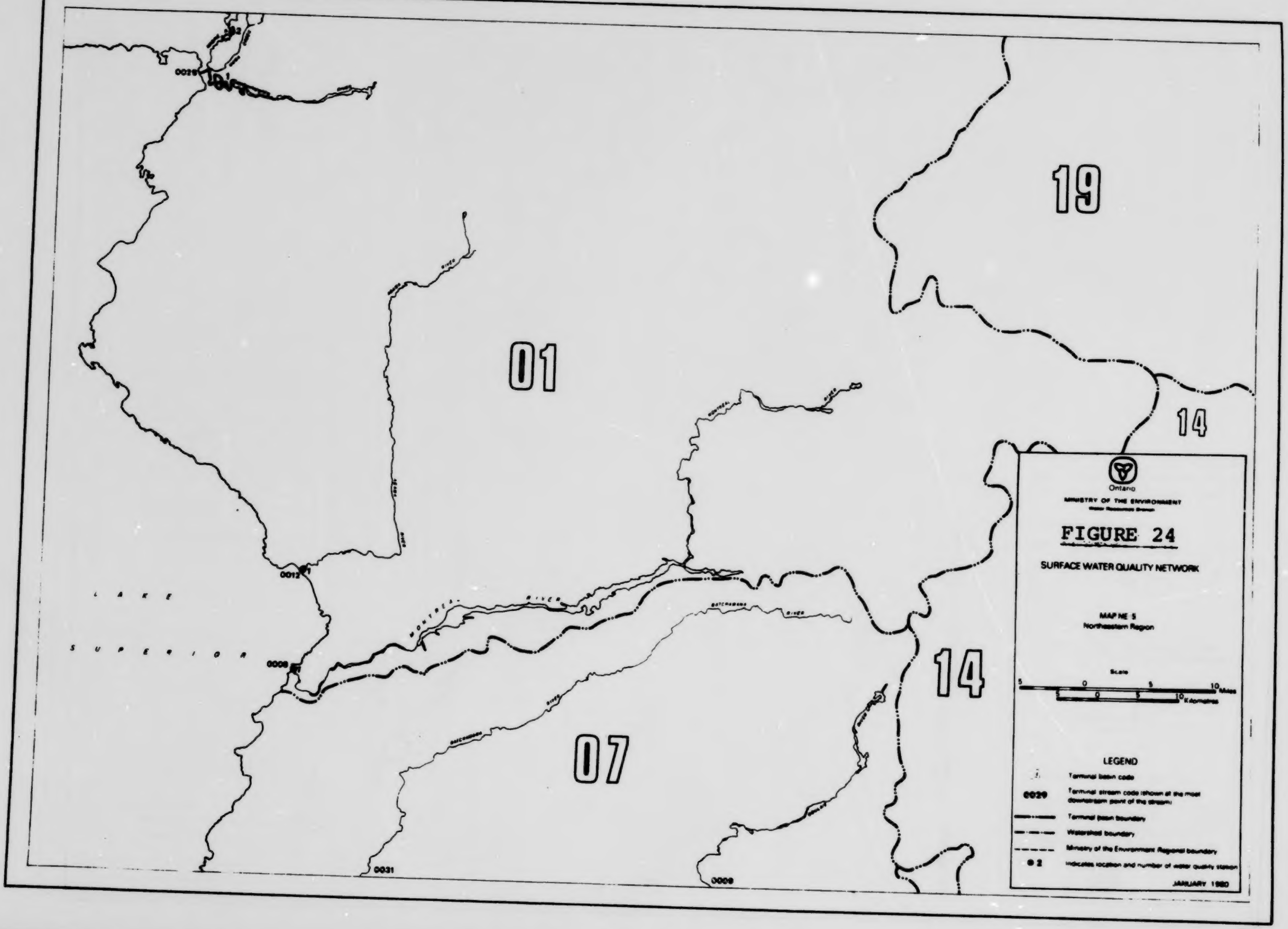


FIGURE 23

SURFACE WATER QUALITY NETWORK

Ontario
MINISTRY OF THE ENVIRONMENT
Water Resources Branch
MAP NE-4
Northeastern Region
Scale
5 0 5 10 Miles
0 5 10 Kilometres
LEGEND
14 Terminal basin code
0003 Terminal stream code (shown at the most downstream point of the stream)
Terminal basin boundary
Watershed boundary
Ministry of the Environment Regional boundary
● 3 Indicates location and number of water quality station
JANUARY 1980
07
13
14
0031
0028
0000
0009
0008
0009
0003
0011
0013
0003
0000
WHITEFISH BAY
LAKE GEORGE
SAINT MARYS RIVER
LAKE HURON


0029
0012
0008
0031
0009
01
07
14
14
19
LAKE SUPERIOR
MONTREAL RIVER
BATCHAWANA RIVER
RIVER
Scale
5 0 5 10 Miles
5 0 5 10 Kilometres

Ontario

MINISTRY OF THE ENVIRONMENT

Water Resources Branch

**FIGURE 24**

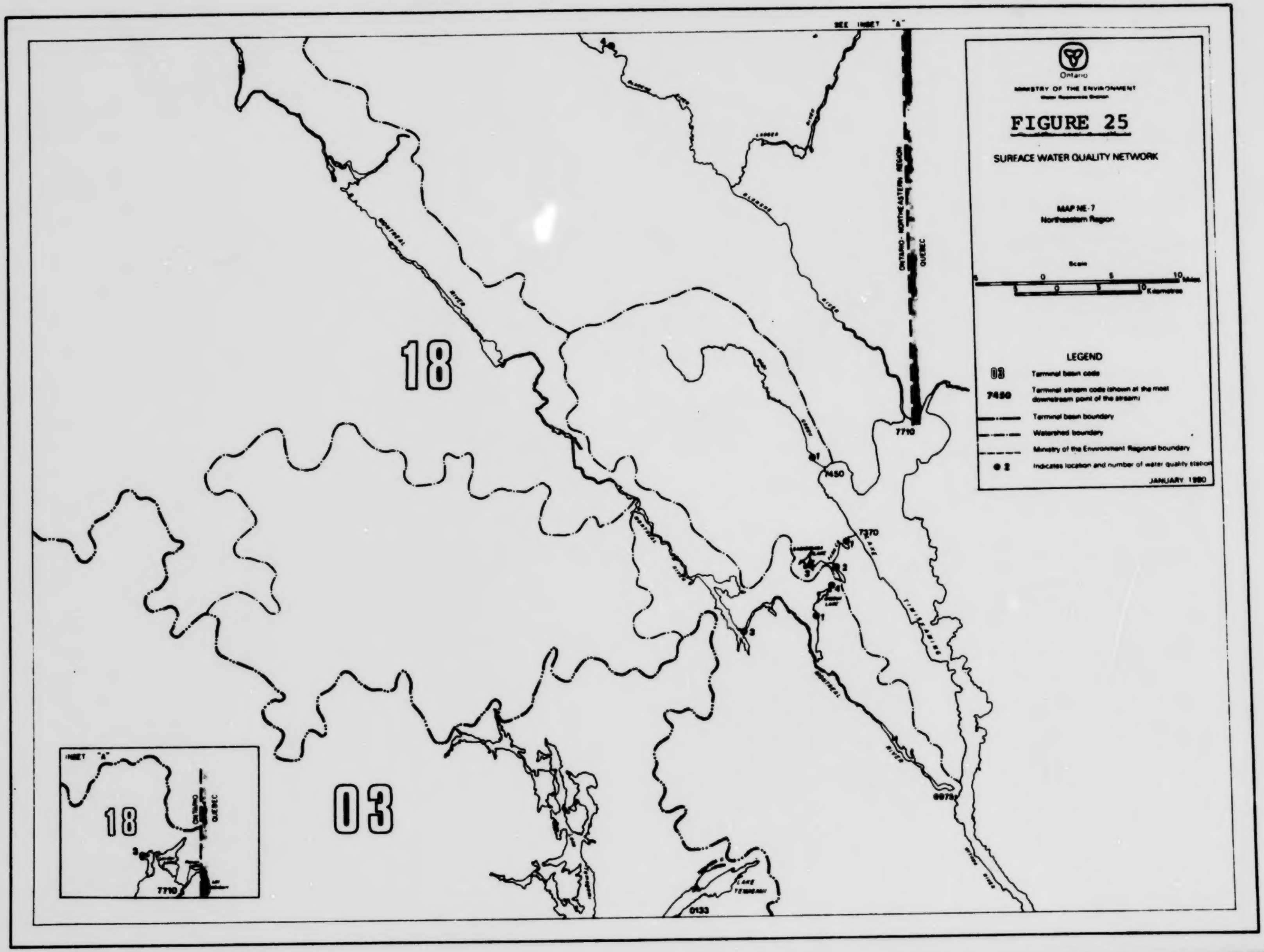
SURFACE WATER QUALITY NETWORK

MAP NE 5
Northeastern Region

LEGEND

| | |
|---|---|
| 1 | Terminal basin code |
| 0029 | Terminal stream code (shown at the most downstream point of the stream) |
| —·— | Terminal basin boundary |
| —··— | Watershed boundary |
| — — — | Ministry of the Environment Regional boundary |
| ● 2 | Indicates location and number of water quality station |

JANUARY 1980



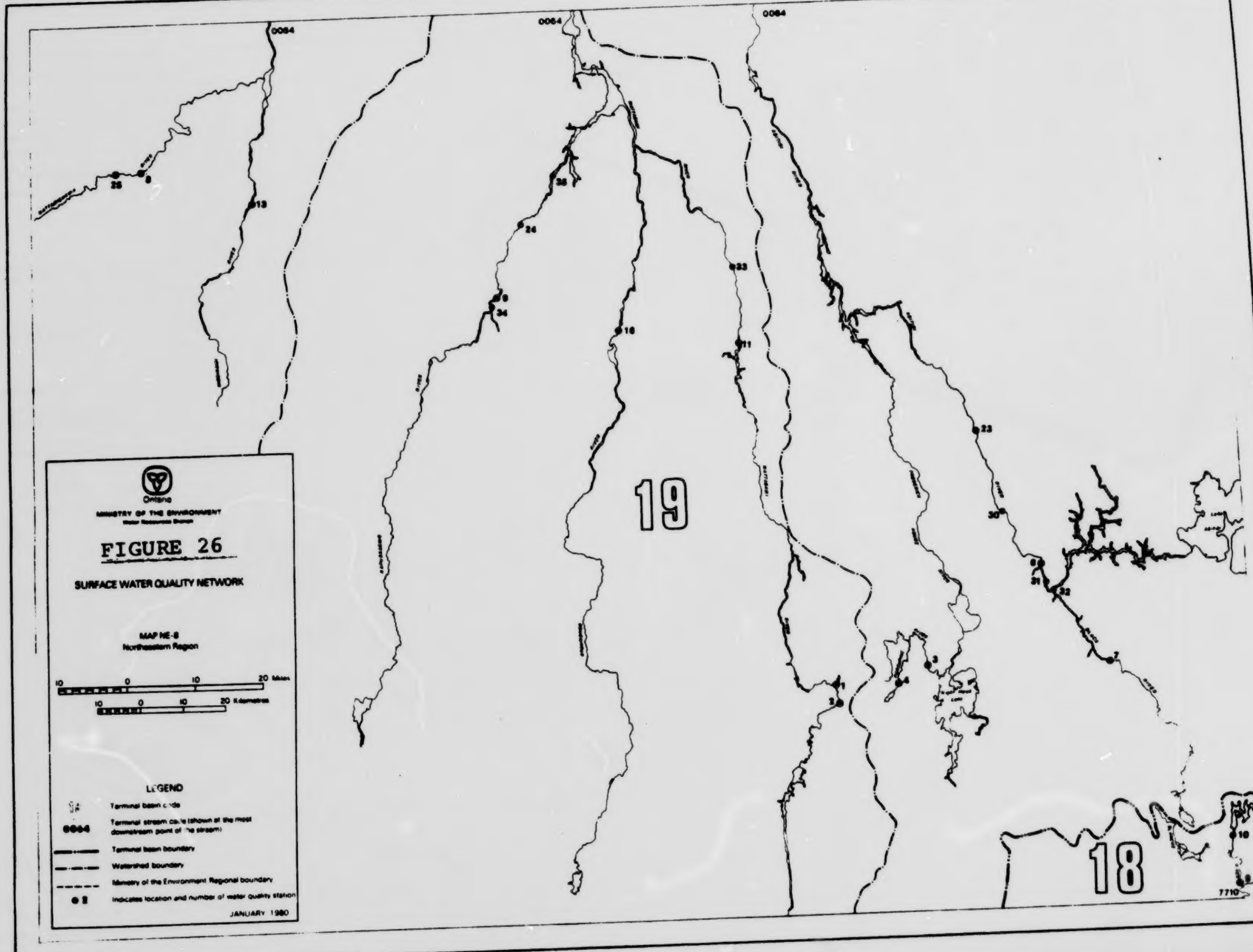
Ontario
MINISTRY OF THE ENVIRONMENT
Water Resources Branch

FIGURE 25

SURFACE WATER QUALITY NETWORK

MAP NE-7
Northeastern Region

Scale
5
0
5
10 Miles
5
0
5
10 Kilometres
LEGEND
03 Terminal basin code
7450 Terminal stream code (shown at the most downstream point of the stream)
Terminal basin boundary
Watershed boundary
Ministry of the Environment Regional boundary
● 2 Indicates location and number of water quality station
JANUARY 1980
SEE INSET "A"
ONTARIO - NORTHEASTERN REGION
QUEBEC
18
03
MONTREAL RIVER
BLANCHE RIVER
LARDER
BLANCHE RIVER
7710
7450
7370
LAKE TIMISKAMING
0975
OTTAWA RIVER
LAKE TEMAGAMI
0133
1
1
2
3
3
1
1
INSET "A"
18
ONTARIO
QUEBEC
3
7710



Ontario

MINISTRY OF THE ENVIRONMENT
Water Resources Branch

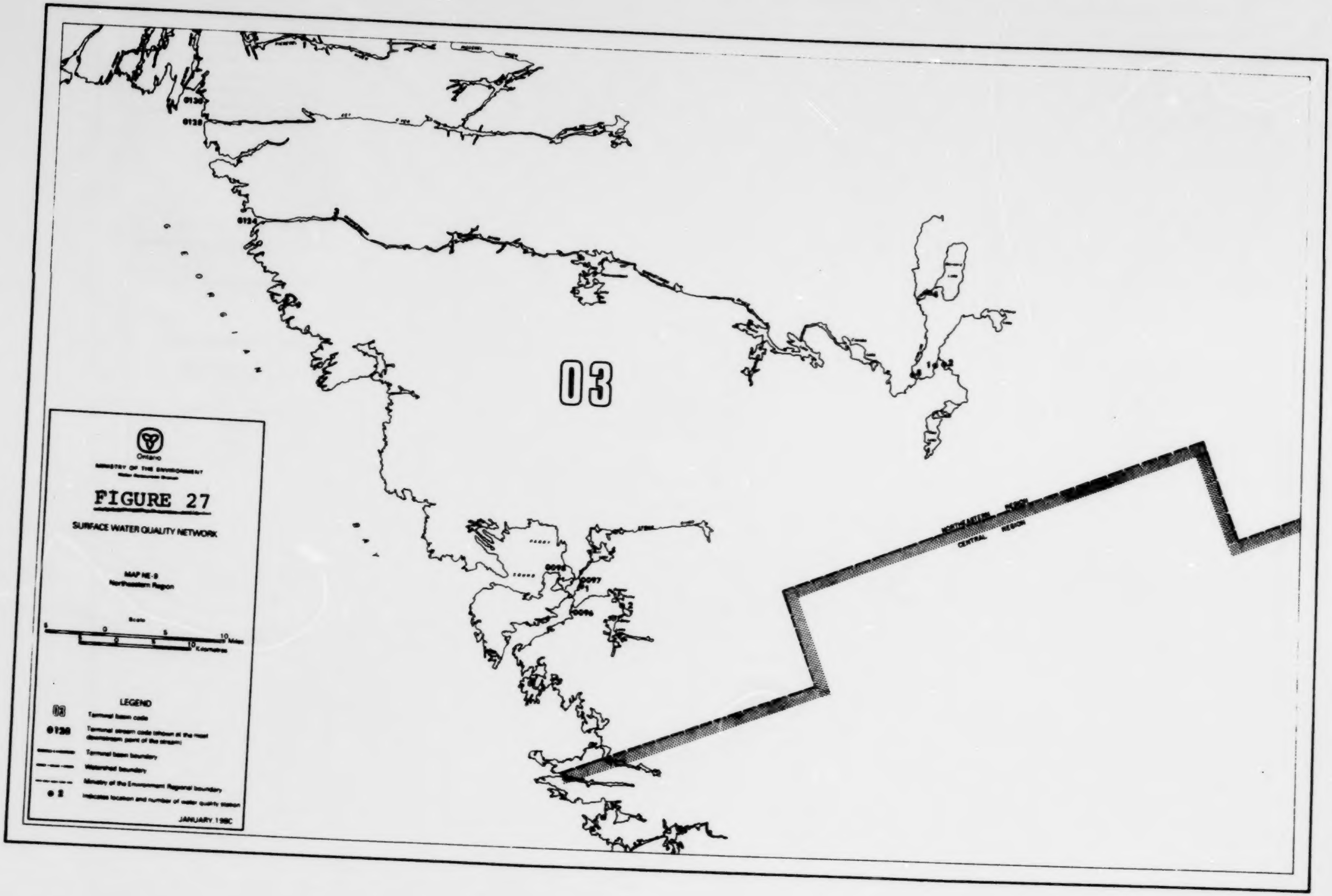
FIGURE 26

SURFACE WATER QUALITY NETWORK

MAP NE-8
Northeastern Region

JANUARY 1980

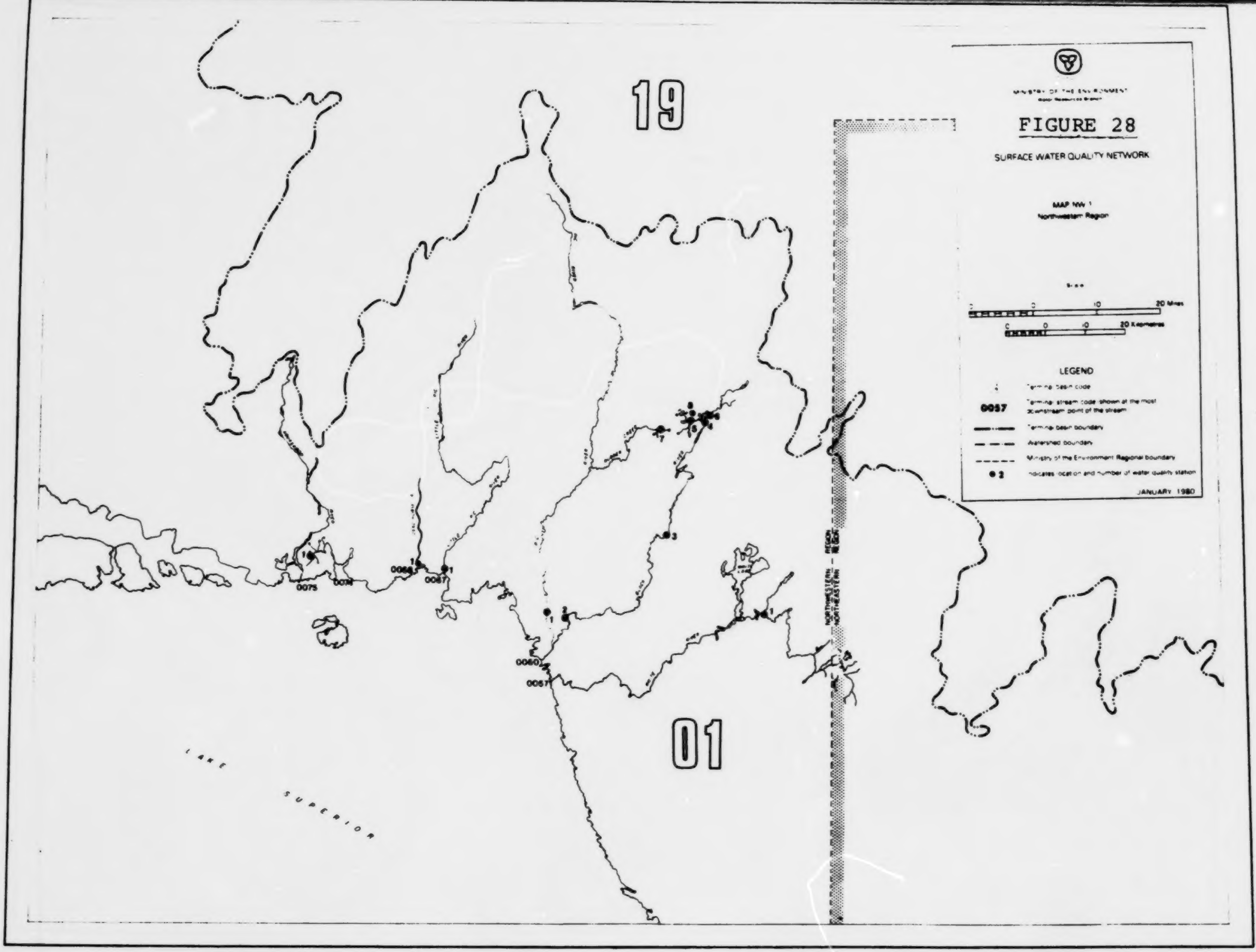
0064
0064
0064
19
18
7710
25
8
13
36
24
9
34
16
33
11
23
30
31
32
7
3
4
1
2
10
10 0 10 20 Miles
10 0 10 20 Kilometres
LEGEND
Terminal basin code
0064 Terminal stream code (shown at the most downstream point of the stream)
Terminal basin boundary
Watershed boundary
Ministry of the Environment Regional boundary
● 2 Indicates location and number of water quality station



Ontario
MINISTRY OF THE ENVIRONMENT
03
0130
0134
0096
0097
0098
G E O R G I A N
B A Y
NORTHEASTERN REGION
CENTRAL REGION
MAP NE-9
Northeastern Region
Scale
0
5
10 Miles
10 Kilometres
LEGEND
Terminal basin code
Terminal stream code (shown at the most downstream point of the stream)
Terminal basin boundary
Watershed boundary
Ministry of the Environment Regional boundary
Indicates location and number of water quality station
JANUARY 1980

FIGURE 27

SURFACE WATER QUALITY NETWORK


19
01
LAKE SUPERIOR
NORTHWESTERN REGION
NORTHEASTERN REGION
0075
0074
0068
0067
0060
0057
1
2
3
Scale
0
10
20 Miles
0
10
20 Kilometres
LEGEND
Terminal basin code
0057 Terminal stream code shown at the most downstream point of the stream
Terminal basin boundary
Watershed boundary
Ministry of the Environment Regional boundary
● 2 Indicates location and number of water quality station

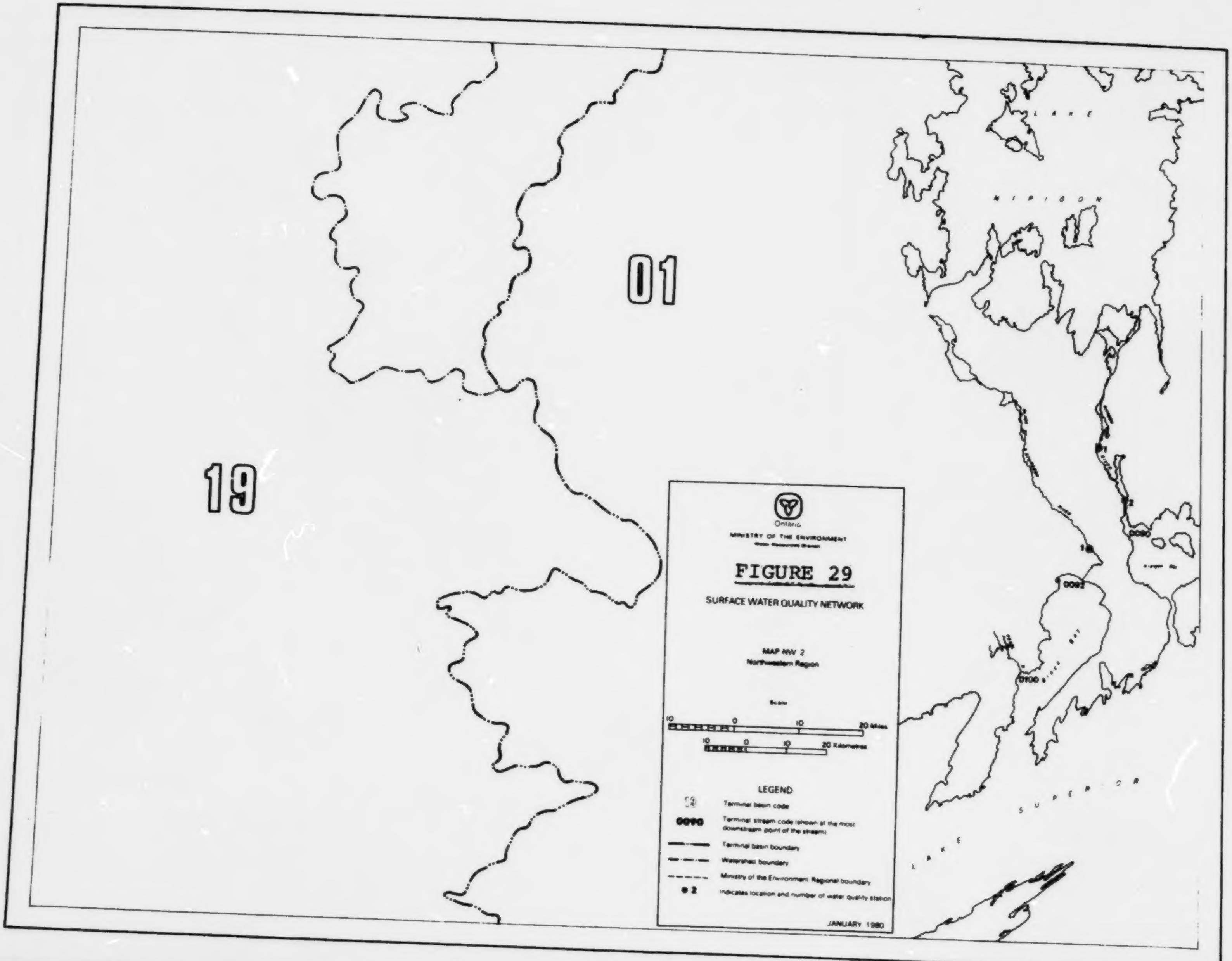
MINISTRY OF THE ENVIRONMENT
Water Resources Branch

FIGURE 28

SURFACE WATER QUALITY NETWORK

MAP NW 1
Northwestern Region

JANUARY 1980


01
19
LAKE NIPIGON
LAKE SUPERIOR
BLACK BAY
0090
0092
0100
1
2
10
0
10
20 Miles
10
0
10
20 Kilometres

Ontario

MINISTRY OF THE ENVIRONMENT
Water Resources Branch

FIGURE 29

SURFACE WATER QUALITY NETWORK

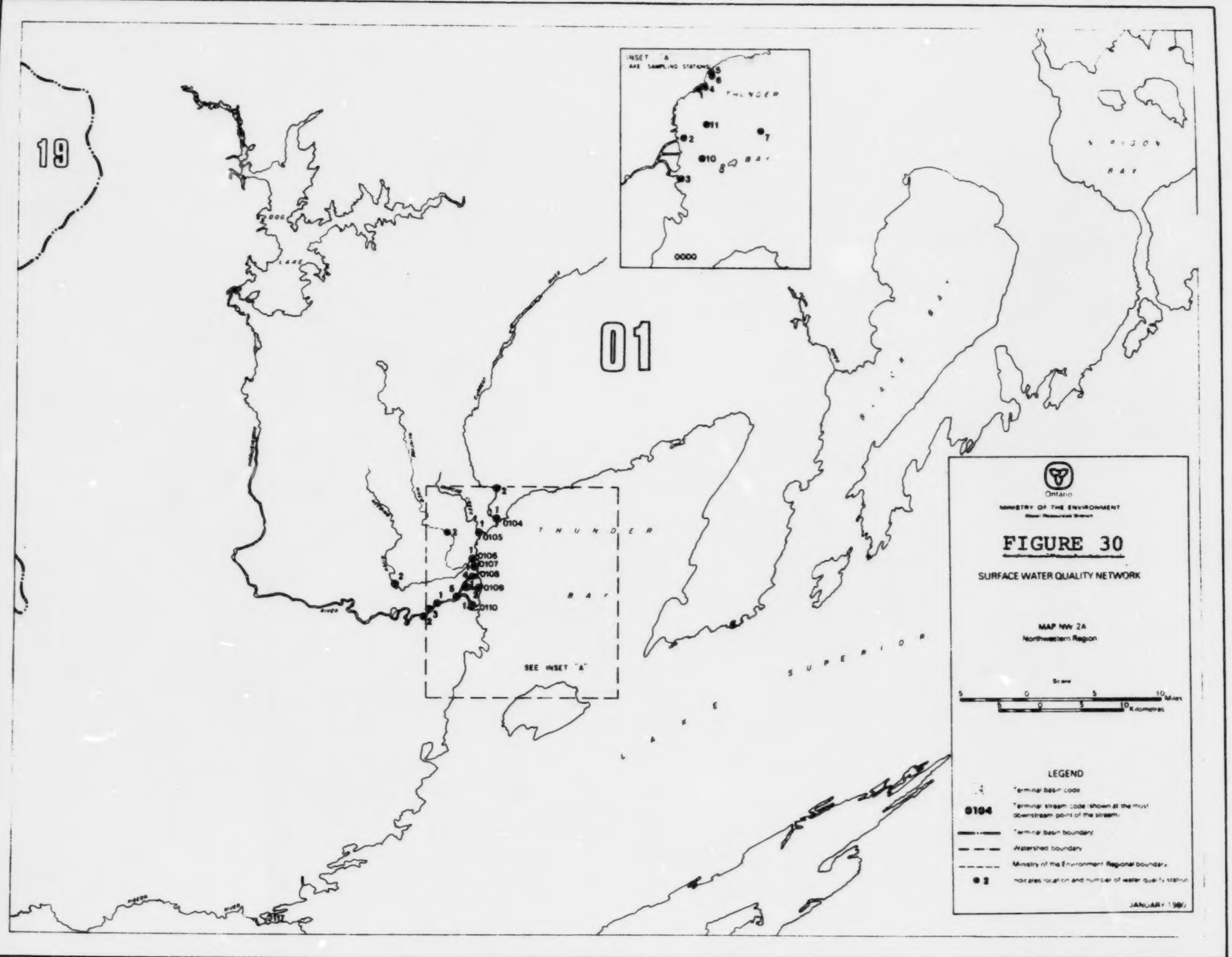
MAP NW 2
Northwestern Region

Scale

LEGEND

| | |
|---|---|
| 19 | Terminal basin code |
| 0090 | Terminal stream code (shown at the most downstream point of the stream) |
| —·— | Terminal basin boundary |
| —·—·— | Watershed boundary |
| - - - - | Ministry of the Environment Regional boundary |
| ● 2 | Indicates location and number of water quality station |

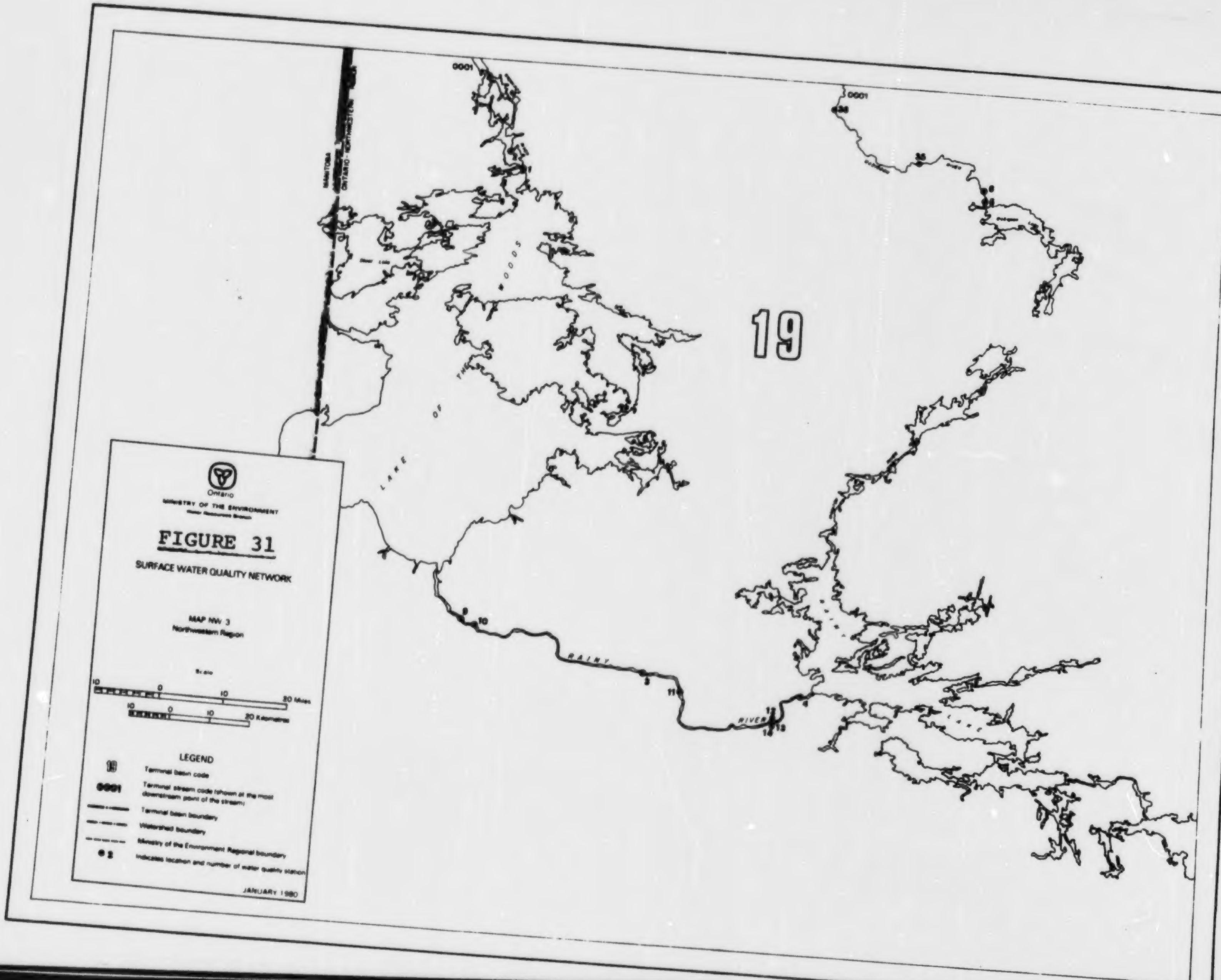
JANUARY 1980



Ontario
MINISTRY OF THE ENVIRONMENT
MAP NW 2A
Northwestern Region
Scale
5 0 5 10 Miles
5 0 5 10 Kilometres
LEGEND
Terminal basin code
0104 Terminal stream code (shown at the most downstream point of the stream)
Terminal basin boundary
Watershed boundary
Ministry of the Environment Regional boundary
● 2 Indicates location and number of water quality station
JANUARY 1980
19
01
THUNDER BAY
SEE INSET "A"
LAKE SUPERIOR
NIPIGON BAY
BLACK BAY
DOG LAKE
0104
0105
0106
0107
0108
0109
0110
INSET "A"
LAKE SAMPLING STATIONS
THUNDER BAY
0000

FIGURE 30

SURFACE WATER QUALITY NETWORK



0001
0001
MANITOBA
ONTARIO - NORTHWESTERN REGION
19
LAKE OF THE WOODS
RAINY RIVER
LAKE
9
10
3
11
12
13
14
4
35
Ontario
MINISTRY OF THE ENVIRONMENT
Water Resources Branch
MAP NW 3
Northwestern Region
Scale
10 0 10 20 Miles
10 0 10 20 Kilometres
LEGEND
19 Terminal basin code
0001 Terminal stream code (shown at the most downstream point of the stream)
Terminal basin boundary
Watershed boundary
Ministry of the Environment Regional boundary
● 2 Indicates location and number of water quality station
JANUARY 1980

FIGURE 31

SURFACE WATER QUALITY NETWORK

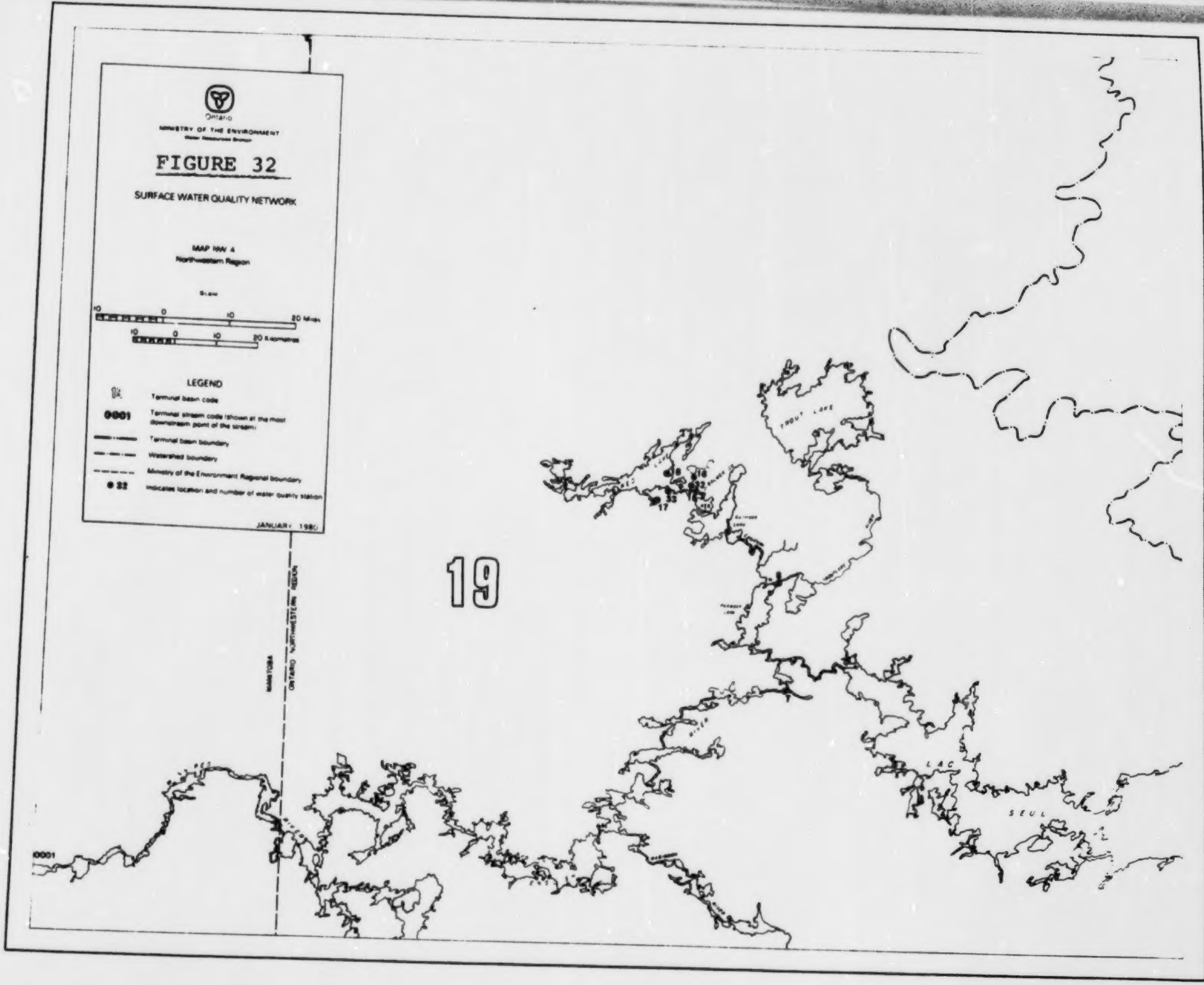

Ontario
MINISTRY OF THE ENVIRONMENT
Water Resources Branch
MAP NW 4
Northwestern Region
Scale
10
0
10
20 Miles
10
0
10
20 Kilometres
LEGEND
Terminal basin code
0001
Terminal stream code (shown at the most downstream point of the stream)
Terminal basin boundary
Watershed boundary
Ministry of the Environment Regional boundary
● 22
Indicates location and number of water quality station
JANUARY 1980
19
TROUT LAKE
LAC SEUL
MANITOBA
ONTARIO NORTHWESTERN REGION
0001
17

FIGURE 32

SURFACE WATER QUALITY NETWORK

The locations of the other stations in Ontario such as those located on the Great Lakes or those operated by the Water Quality Branch, Ontario Region, Environment Canada, are not included.

## INTERPRETATION OF DATA

On the following pages the parameters measured in the Inland Water Quality Monitoring Program are defined. The significance of each measurement in regard to specific water uses can be determined by referring to the booklet "Water Management, Goals, Policies, Objectives and Implementation Procedures of the Ministry of the Environment, November, 1978".

## A. ANALYSES AND MEASUREMENTS CONDUCTED AT THE SAMPLING SITE

### Stream Condition

The physical condition of the body of water is described from an on-site examination at the time of sampling and is represented by a one-digit number from one to zero as follows:

1. Stream dry
2. Frozen to stream bed
3. Stream in flood condition
4. Sampled through ice
5. Suspended algae
6. No apparent algae
7. Profuse weed growth
8. Normal
9. Oil scum or floating matter
10. Objectionable odours.

Under some circumstances a combination of up to three of the above conditions may be shown for a given sample at an individual station.

### Streamflow

Streamflow information at or near a water quality monitoring site is an important factor when interpreting and employing water quality data. The product of streamflow and concentration defines the mass of material passing a point. Streamflow is also a useful reference when comparing water quality data for different periods of the year (e.g. spring flood vs summer drought).

Flows in many of the streams sampled are measured by the Canada Department of Fisheries and Environment - Water Survey of Canada. In a number of other instances, they are obtained by Ontario Ministry of the Environment personnel.

### Temperature

Water temperature is an important factor when a number of water quality parameters are being evaluated. Temperature directly affects the solubility of gases (e.g. dissolved oxygen) and significantly affects biological and chemical reaction rates.

Temperature is measured at the sampling site with an electronic thermistor or a mercury thermometer.

### Dissolved Oxygen

Dissolved oxygen in water originates directly from the atmosphere or through photosynthesis in aquatic plants. Ample dissolved oxygen is necessary to maintain satisfactory conditions for fish and other biological life in water. Organic wastes and some inorganic materials exert, upon decomposition, an oxygen demand which may deplete the dissolved oxygen below levels required by aquatic life.

Dissolved oxygen is measured at the sampling site with an electronic meter or by a chemical titration.

## B. ANALYSES AND MEASUREMENTS CONDUCTED AT THE LABORATORY

## 1. MICROBIOLOGICAL ANALYSES

### Total Coliform

The Membrane Filter (MF) technique is used to obtain an approximation of the concentration of total coliform organisms. These organisms are normal inhabitants of soils and the intestines of man and other warm-blooded animals. They are always present in large numbers in sewage and fecal mattter, and are often found in watercourses adjacent to industrial, agricultural and other pollution sources.

Results are reported as MF count per 100 ml of sample.

### Background Count

The background count estimates the number of organisms, other than coliforms, that occur in the total coliform analysis of a sample. The results are used in the interpretation of total coliform counts. High background counts are generally indicative of poor water quality.

### Fecal Coliform and Fecal Streptococcus (Enterococcus) Organisms

Fecal coliform and Enterococcus organisms are generally found in the alimentary tract of warm-blooded animals. They are indicative of sanitary waste intrusion and/or fecal contamination from warm-blooded animals.

### Pseudomonas aerugenosa

Pseudomonas aeruginosa, are pathogens that can be readily isolated from sewage. These organisms can be frequently found in bathing waters and are the major etiological agent in otitis externa (ear aches) and other skin infections.

## 2. CHEMICAL AND PHYSICAL ANALYSES

### Biochemical Oxygen Demand (BOD)

In itself, BOD is not a pollutant and presents no direct harm to the aquatic environment. It is, however, a measure of the unstable organic matter present in water which, through aerobic decomposition, oxidizes to a stable inorganic form utilizing the oxygen resources of a watercourse. The level of BOD is an important parameter in assessing the potential effects of pollutants on the concentration of dissolved oxygen in water.

Five-day biochemical oxygen demand ($BOD_5$) is a laboratory measurement of the amount of oxygen consumed in a sample incubated for five days at 20°C.

## Total Phosphorus

Phosphorus is a primary nutrient for plant and animal life and like nitrogen passes through cycles of decomposition and photosynthesis. This element is commonly found in nature in the form of inorganic phosphates and organically bound phosphorus. Total phosphorus includes orthophosphate, condensed phosphates and organically bound phosphorus in both the dissolved and particulate form. Untreated or treated sewage, some industrial wastes and agriculatural and urban drainage contain significant concentrations of phosphorus.

Although there is no firm criterion for phosphorus, it is generally considered that to prevent biological nuisances, total phosphorus should not exceed 0.03 mg/l in a flowing stream or 0.020 mg/l where waters enter a lake or standing body of water.

## Filtered Reactive Phosphate

Filtered reactive phosphate is that phosphorus which passes through a 1-2 micrometre filter and responds to a colorimetric orthophosphate determination. It is a combination of simple orthophosphate and readily hydrolized phosphate primarily in the dissolved form.

Filtered reactive phosphate is generally considered to be readily available for aquatic plant growth.

## Filtered Ammonia Nitrogen

Filtered ammonia nitrogen (ammonia $NH_3$ + ammonium $NH_4^+$) is the soluble product in the anaerobic decomposition of nitrogenous organic matter. It is also formed when nitrites and nitrates are reduced either biologically or chemically. Small amounts of ammonia nitrogen may be taken out of the atmosphere by rain water.

Rivers which are considered unpolluted generally have filtered ammonia levels of less than 0.1 mg/L.

## Total Kjeldahl Nitrogen

Total Kjeldahl nitrogen is a measure of the total nitrogenous matter present, excluding nitrate and nitrite. The total Kjeldahl nitrogen concentration, less the ammonia nitrogen concentration, gives a measure of the organic nitrogen present.

Ammonia and organic nitrogen are important in assessing the availability of nitrogen for biochemical utilization. In unpolluted rivers, the normal range for total Kjeldahl nitrogen is 0.1 to 0.5 mg/L.

## Filtered Nitrite

Nitrite is an intermediate oxidation product of ammonia and also an intermediate form in the denitrification process from nitrate to nitrogen gas. The significance of nitrites, therefore, varies with their amount, source and relation to other constituents of samples (notably the relative magnitude of ammonia and nitrate present).

Since nitrite is rapidly and easily converted to nitrate, its presence in concentrations greater than a few micrograms per litre is generally indicative of active biological processes in the water.

## Filtered Nitrate

Nitrate is the end product of the stabilization of organic nitrogen which occurs primarily through aerobic biochemical processes. Nitrate is usually found in polluted waters that have undergone some degree of self-purification. Nitrates can also occur in watercourses intercepting drainage from fertilized agricultural areas.

Nitrogen in the form of nitrate is readily utilized by aquatic plants and algae. In unpolluted rivers, the nitrate nitrogen concentration is generally less than 0.5 mg/L.

## Inorganic Nitrogen

Inorganic nitrogen is a calculated value and represents the sum of the concentrations of filtered ammonia nitrogen and filtered (nitrate + nitrite) nitrogen.

## Organic Nitrogen

Organic nitrogen is a calculated value and represents the difference of the concentrations of total Kjeldahl nitrogen and filtered ammonia nitrogen.

## Total Nitrogen

Total nitrogen is a calculated value and represents the sum of the concentrations of total Kjeldahl nitrogen and filtered (nitrate + nitrite) nitrogen. Nitrogen is a common constituent of decomposition products, treated sewage, fertilizers and industrial discharges. Nitrogen compounds are present in most plant and animal materials.

## Solids

Total, suspended and dissolved solids are presented as separate parameters in this report. The solids analyses are gross measurements of the amounts of particulate matter and dissolved materials found in water. Solids enter the watercourse from virtually every source, the most familiar being sewage treatment plant effluents, municipal storm drainage, industrial discharges and erosion.

Solids significantly affect water uses. Highly turbid water is undesirable for municipal and industrial supply, fish and aquatic life, recreation and aesthetics. Suspended solids can also transport significant quantities of organic and inorganic trace contaminants.

## Conductivity

The conductivity test provides a measure of the electrolytic properties of water. The presence of dissolved ions (in solution) such as chlorides, sulphates and calcium, renders water conductive. Conductance, the reciprocal of resistance, is recorded in the unit mho and in order to avoid inconvenient decimals, data are reported in micromhos per cubic centimetre. In many waters there is a direct linear relationship between dissolved solids concentrations and conductivity.

Conductivity serves as a control parameter and is an excellent indicator of water-quality changes since it is relatively sensitive to variations in dissolved-solids concentrations.

## Turbidity

The turbidity of water is attributable to suspended and colloidal matter such as micro-organisms, detritus, clay and other mineral substances which reduce clarity and diminish the penetration of light.

Turbidity is undesirable in surface waters used for domestic and industrial supply and for recreation. Often some of the suspended matter has to be removed to prevent interference with disinfection processes and abrasion to equipment. By interfering with the penetration of light, turbidity can seriously affect aquatic biological communities.

## Chlorides

Chlorides are found in practically all natural waters. They may be of natural mineral origin but in general the largest contributions can be traced to domestic sewage discharge, municipal storm drainage, road salting, and industrial wastes.

While not harmful to health in moderate quantities, high concentrations of chlorides make water unfit for municipal and industrial supplies and livestock watering. In addition to imparting an objectionable taste to water, high chloride levels are responsible for increased corrosiveness of water. Furthermore, chloride, being toxic to many plants, may render water undesirable for irrigation.

## Sulphate

Sulphates may occur naturally in waters and may be contained in industrial wastes. They are produced from the final oxidation stage of sulphides, sulphites and thiosulphates. Sulphates, under anaeorbic conditions, can be reduced to hydrogen sulphide which is malodorous (the odour of rotten eggs) and highly corrosive.

High concentrations (between 150 and 500 mg/l) in drinking water may be cathartic to humans.

## Unfiltered Reactive Silicate

Silicon occurs in sand or quartz as silica and as silicates in feldspar, kaolinite and other minerals. Silicon dioxide, or silica, is insoluble in waters or acids, except hydrofluoric acid, but it may occur in natural waters as finely divided or colloidal suspended matter. Silica is widely employed in industry for making glass, silicates, ceramics, abrasives, enamels, petroleum products, etc.

In concentrations found in natural or treated waters, silica or silicates have no adverse physiological effects. Silicates are essential to the growth of many aquatic organisms.

The data which appear under the heading "Reactive Silicate" should properly be referred to as "Unfiltered Reactive Silicate" and are reported as Silicon (Si). Data in this series of publications prior to 1975 were reported as Silica ($SiO_2$).

## Acidity

Acidity in surface or ground waters may be attributable to natural causes, such as humic acids extracted from swamps or peat beds, or industrial wastes such as pickling liquors, effluent from the manufacture of explosives, acid mine drainage or sulfite waste liquors. It may also be affected by atmospheric inputs.

Acidity is best interpreted in conjunction with the pH and alkalinity, as well as any other analyses which identify the acidic components of water.

## Filtered Alkalinity

Alkalinity is a measure of a water's capacity to neutralize an acid. The alkalinity of natural waters is caused by three major classes of materials which may be ranked in order of their effect on pH as follows:

1. Hydroxides (rarely present in Ontario)
2. Carbonates
3. Bicarbonates and other salts of weak acids

The alkalinity of water has little sanitary significance but is of importance in water and waste treatment practices. Waters with high alkalinity are undesirable because of their associated excessive hardness.

## pH

The symbol pH is used to designate the logarithm (base 10) of the reciprocal of the hydrogen-ion concentration. It is an index of the acidity or alkalinity of the solution. The practical pH range extends from 0, very acidic, to 14, very alkaline, with the middle value of pH 7 corresponding to exact neutrality at 25°C.

The pH is important in determining the treatment of water supplies.

## Total Iron

Iron is one of the most abundant elements in the earth's crust and it is a constituent of many industrial wastes.

When sufficient iron is added to water in the form of salts (chlorides, nitrates, sulphates), ferrous to ferric precipitates (iron hydroxides) tend to form, causing low pH values which are toxic to aquatic life. Iron in water may also result in the growth of iron bacteria causing unpalatable tastes, discolouration of clothes and plumbing fixtures, and the formation of scales in water mains.

## Phenols

The phenolic compounds, collectively referred to as phenols, are those hydroxyl derivatives of benzene or its condensed nuclei, which are determined by the 4-amino antipyrene method. The results are reported in micrograms per litre. Phenols are present in waste flows from many industrial processes and may also be released from aquatic plants and decaying vegetation.

Depending on the concentration, the presence of phenolic compounds may be toxic to fish, or may taint the flesh of fish. Phenols in very minute concentrations will combine with chlorine to produce tastes and odours which are usually described as medicinal or chemical.

## Hardness

Water hardness relates to a water's capability to produce lather from soap. The higher the hardness, the less lather will be formed. Hardness in water is caused by dissolved divalent metal ions, calcium and magnesium being the most common. Natural hardness occurs most frequently in limestone areas. The limestone is dissolved by contact with ground and surface water and releases calcium ions and traces of contaminant metals.

Hard water, though not considered a health hazard, is undesirable for industrial and domestic water supplies because it has a number of detrimental effects, the most common being the formation of scale in boilers, pipes and water heaters; excessive soap consumption in home and commercial laundering; and adverse affects in textile, plating and canning industries.

Results appear under either the heading "Hardness" or "Calculated Hardness", depending on the anlaytical procedure. The former results are obtained through titration with EDTA (ethylenediaminetetra-acetic acid), the latter by calculation from magnesium (Mg) and calcium (Ca) results determined by AAS (Atomic Absorption Spectrophotometry).

## Calcium

Calcium is relatively abundant in the earth's crust and readily soluble in water so that calcium salts and calcium ions are among the most commonly encountered substances in water. They may result from the leaching of soil and may be contained in sewage and industrial wastes.

Excessive calcium and magnesium in drinking water have been implicated as factors predisposing to the formation of concretions in the body, such as kidney, or bladder stones. On the other hand, there is also evidence of adverse physiological effects from an insufficiency of calcium in water. The calcium ion is a major contributor to hardness and is often responsible for boiler scale deposits on cooking utensils and excessive soap requirements in washing and laundering. Where water is used for irrigation, calcium is beneficial to plant growth.

## Magnesium

Magnesium is an abundant element and a common constituent of natural waters. Magnesium ranks with calcium as a major cause of hardness.

The effects of magnesium in water used for consumption and irrigation are generally the same as those of calcium. Magnesium is considered relatively non-toxic to man and not a public health hazard because before toxic concentrations are reached in water, the taste becomes quite unpleasant.

## Colour

Colour in water may be of natural mineral or vegetable origin caused by metallic substances such as iron and manganese compounds, humus material, peat, tannins, algae, weeds, and protozoa. Waters may also be coloured by inorganic or organic soluble wastes from industries, such as steelworks, mining, refining, pulp and paper, chemicals, and others. Returned irrigation water also contributes to colour.

Colour from natural origin is not considered harmful from a health standpoint. However, in domestic water, colour is undesirable from aesthetic considerations.

## Potassium

Potassium occurs in many minerals and potassium salts exist in natural waters as a result of contact with potassium-bearing soils and the introduction of certain industrial wastes. The common salts of potassium are highly soluble in water. They resist separation from water by natural processes other than evaporation.

Although in limited concentrations potassium is an essential nutrient, excessive amounts of certain potassium salts in drinking water have detrimental effects on human digestive and nervous systems.

## Sodium

Sodium salts are common to all natural waters and may be present in high concentrations in wash waters softened by exchanging calcium and magnesium ions for sodium. Sodium is also found in many industrial process effluents, domestic wastes and salts used in road de-icing.

The presence of sodium salts in drinking water may present a health hazard to a person with circulatory, renal and cardiac problems and may cause digestive problems in animals and otherwise healthy human beings. Concentration of salts such as sodium chloride impart objectionable tastes and may render water unpalatable.

## Total Organic Carbon (TOC)

Total organic carbon (TOC), the most significant carbon measurement from a water-quality assessment viewpoint, is the arithmetic difference between total carbon (TC) and total inorganic carbon (TIC).

Total organic carbon usually has a direct relationship with Biochemical Oxygen Demand (BOD) and Chemical Oxygen Demand (COD) values, but the relationship varies with the composition of the organic material present. The carbon tests are rapid and suitable for the evaluation of organic pollution levels, assessment of waste treatment efficiencies and to a limited extent, the potential demand of a waste discharge on the oxygen resources of a water body.

## Chemical Oxygen Demand (COD)

The chemical oxygen demand is used in measuring the strength of sewage and industrial wastes. The major advantage of this test is that laboratory results can be obtained in about three hours compared to five days for the five-day biochemical oxygen demand test. The chief limitation of the COD analysis is its inability to differentiate between biologically oxidizable and biologically inert organic matter. The COD almost always exceeds the biochemical oxygen demand.

## Solvent Extractables

The solvent extractable test measures the total quantity of substances present in a water sample that is readily soluble in an appropriate organic solvent. Such substances include fatty acids, petroleum products, oils, and greases, resins, etc. They are generally found in effluents of oil refineries, meat packing plants, slaughter houses, dairies, canneries, and a variety of other industries.

Solvent soluble materials greatly increase the oxygen depletion rate in receiving waters and will hinder oxygen exchange with the atmosphere by forming slicks.

## Arsenic

Arsenic may occur to a small extent naturally, mostly as sulphides and as arsenides of metals. Elemental arsenic is insoluble in water but many of the arsenates are highly soluble. Highest levels of arsenic in Ontario are found in watercourses downstream of wastewater discharges from metal smelting operations.

Arsenic is very toxic to humans and the trivalent forms are largely retained in the body tissues. Low concentrations of arsenic stimulate plant growth but higher concentrations destroy chlorophyll in the foliage.

## Mercury

Mercury may occur naturally as a free metal or as mercuric salts, the most common being cinnabar, HgS. Both elemental mercury and HgS are insoluble in water and are not likely to occur as water pollutants. Many synthetic organic salts of mercury are used commercially and these salts are highly soluble in water.

Mercury is cumulative and toxic to humans, and can be concentrated and transferred up the food chain to a point where commercial and game fish may become unsuitable for human consumption. Micro-organisms can methylate inorganic mercury under both aerobic and anaerobic conditions to produce a more toxic substance.

## Aluminium

Aluminium occurs in many rocks and ores but never as a pure metal in nature. In streams, the presence of aluminium ions may result from industrial wastes or more likely from wash water from water treatment plants.

Aluminium in a public water supply is not considered a public health problem, since no evidence has been found to prove that aluminium in water supplies is harmful to human beings.

## Chromium

Few waters contain chromium from natural sources since chromium is generally present in rocks and soils as insoluble chromic oxide which is strongly sorbed to particulate matter. Chromate or dichromate salts are used extensively in metal pickling and plating operations, in anodizing aluminium, in the leather industry as a tanning agent, and in the manufacture of paints, dyes, explosives, ceramics, paper and many other substances. Chromic or chromite salts on the other hand, are used much less extensively being employed as mordants in textile dyeing, in the ceramic and glass industry and in photography. Chromium compounds may be present in wastes from many of the foregoing industries or may be discharged in chromium-treated cooling waters where the chromium is used as a corrosion inhibitor.

There is no evidence that chromium salts are essential or beneficial to human nutrition. Salts of trivalent chromium are not considered to be physiologically harmful; however, large doses of chromates lead to corrosive effects in the intestinal tract and to nephritis. Both the chromic and chromate ions are toxic to plants and interfere with the uptake of essential elements.

## Copper

Copper salts occur in natural surface waters in trace concentrations and may occur in industrial waste discharges. Copper is used as an algicide for the control of undesirable algae growth and in the treatment of soils as a fungicide and a pesticide.

Copper compounds are toxic to plants and aquatic life. Prolonged ingestion may cause liver damage in man.

## Lead

Some natural waters contain lead in solution. Lead may be introduced into water as a constituent of various wastes including industrial and mining effluents, lead plumbing and automobile exhaust. Certain lead salts, such as acetate and chloride, are readily soluble. However, lead which occurs in the carbonate, hydroxide and sulphate forms is sparingly soluble and will not remain long in natural waters.

Lead is a cumulative poison that tends to be deposited in the bone. The intake that can be regarded as safe cannot be stated definitely because the sensitivity of individuals to lead differs considerably. Studies on fish indicate that in water containing lead salts, a film of coagulated mucus forms over the gills and then the entire body, probably as a result of a reaction between lead and an organic constituent of mucus. The fish then die of suffocation. The toxic effects of lead on fish decreases with increasing hardness and dissolved oxygen.

## Total Cadmium

In the elemental form, cadmium is insoluble in water. It occurs in nature largely as a sulphide salt, greenockite or as a cadmium blend and often as an impurity in zinc-lead ores.

Cadmium salts are cumulative and highly toxic to man having been implicated in some cases of food poisoning. Consumption of cadmium salts causes cramps, nausea, vomiting, and diarrhea. Cadmium affects reproduction in fish and zooplankton; however, the toxic effects vary with species and time of exposure.

## Total Zinc

Generally, zinc occurs only in trace amounts in surface waters. The zinc ion is believed to adsorb strongly and permanently on particulate matter (e.g. silt) which settles out of suspension.

Zinc has no known adverse physiological effects upon man except at very high concentrations. At such concentrations, zinc gives water a milky appearance and causes a greasy film on boiling, thus making it unattractive for domestic water supply. Zinc is toxic to aquatic organisms and its toxicity decreases with increasing hardness.

## Manganese

Manganese is similar to iron in that it is found in many industrial wastes and occurs in soils as manganic and manganous compounds. Under anaerobic conditions the manganic ion is reduced to soluble nitrate, sulfate, and chloride salts of manganese and is leached, along with iron, into ground and surface waters. Its presence like iron, may indicate domestic or industrial pollution.

Water with high manganese content is undesirable for its taste, colour and tendency to form deposits on cooking utensils.

## Total Nickel

Nickel in ores and minerals is insoluble but as a salt (nickel ammonium sulphate, nickel nitrate, nickel chloride) is highly soluble. Electroplating wastes may contain substantial amounts of nickel salts.

Nickel and its salts have generally proven to be non-toxic to man even at very high levels. Contact with nickel salt solutions may result in dermatitis and repeated inhalations of nickel compounds can cause lung cancer. Levels of 0.1 mg/l have been reported to adversely affect plant life.

## Fluoride

Fluorides in high concentrations are not a common constituent of natural surface waters, but may naturally occur in detrimental concentrations in ground waters.

A condition known as "mottled enamel" (dental fluorosis) may occur when the concentration of fluoride ion in drinking water is in excess of 1.0 mg/L; however, small quantities have proven to be beneficial in reducing tooth decay. Excess concentrations affect animal breeding efficiency and may have detrimental effects on some plants.

## Cyanide

Cyanides are likely to occur in effluents from gas works and coke ovens, from the scrubbing of gases produced from blast furnaces, in wastes from the surface cleaning of various metals, and in electroplating processes and other chemical industries.

Cyanide in water is toxic to biological life, the lethal concentration depending on water quality, temperature and type and size of organism.

## Cobalt

Cobalt occurs naturally in the minerals cobaltite, smaltite and erythrite. It is widely used in the manufacture of alloys, the tungsten carbide tool industry and as pigments used in glass staining.

Cobalt is an essential element at trace levels for both animal and plant nutrition. It is known to be one of the main constituents of Vitamin $B_{12}$. Adverse effects due to cobalt are very slight even at high concentrations. No limits have been set on the maximum acceptable concentration for cobalt in domestic water supplies.

## 3. RADIOCHEMICAL ANALYSES

All elements are made up of atoms, each of which consists of a central nucleus surrounded by a number of electrons. Some nuclei are radioactive; they emit excess energy in the form of ionizing radiation as a result of nuclear disintegrations. The three types of ionizing radiations which are of principal interest in environmental studies are referred to as alpha, beta and gamma radiations.

1. Alpha rays are streams of fast moving helium nuclei. These are particles which can travel only a few centimetres in air and can be stopped by a sheet of paper or a layer of skin.

2. Beta rays are streams of fast moving electrons which are very much lighter than helium nuclei. The maximum range of most common beta rays is a few metres in the air or one to two centimetres in the human body.

3. Gamma rays are highly penetrating electromagnetic radiation of the same family as radio waves and x-rays. Like x-rays, gamma mass rays can pass right through the human body.

The number of nuclear disintegrations occurring in a substance per second is a measure of its radioactivity. The unit of radioactivity used in this report is the curie (Ci). One curie of radioactivity is defined as $3.7 \times 10^{10}$ disintegrations per second (dps). Thus, one microcurie equals $3.7 \times 10^{4}$ dps, and one picocurie equals $3.7 \times 10^{-2}$ dps, or 2.22 disintegrations per minute. Radiological half life is the length of time required for one half of the unstable atom to disintegrate or change (ie. radioactive decay).

Exposure to radiation is characterized by the transfer of energy to molecules of the cells which make up body tissues and organs. This can affect the normal function of the cells, resulting in damage to the tissues and organs. Exposure to the small doses of radiation which might be encountered in the environment will not result in immediate detectable damage; however, long-term effects may result. These effects are an apparently random occurrence of induced cancers and genetic defects in a small proportion of the exposed population. The numbers of effects induced are considered to be directly proportional to the amount of absorbed radiation.

### Gross alpha

Gross-alpha is a measure of the total radioactivity of all the alpha emitting materials in a sample. Measurements of gross-alpha activity provide useful reference points to enable trends to be detected. However, the results cannot be used to determine radiation dose or health effects since the short range of alpha particles means that some will not be detected, thereby causing an underestimation of the total activity. Also, the alpha particles may be emissions from a mixture of materials that are radiologically and biologically different.

### Gross-beta

Gross-beta is a measure of the total radiation of all the beta emitting materials in a sample. Measurements of gross-beta activity provide useful reference points to enable trends to be detected but cannot be used to determine radiation dose or health effects.

### Radium-226

Radium-226 is a naturally occurring alpha-particle emitter formed from the decay of uranium-238 and has a radiological half life of 1602 years.

### Uranium-total

Total uranium exists primarily as the isotope uranium-238 with less than 1% occurring as uranium-235. Uranium is a naturally occurring alpha-particle emitter which was formed at the same time as the earth (about $5 \times 10^9$ years) and is still present in significant quantities due to its extremely long radiological half-life ($4.5 \times 10^9$ years).

### Cesium-137

Cesium-137 is a beta-particle emitter formed as a fission product in nuclear weapons detonation and atomic reactor operation. Cesium-137 is readily absorbed and retained by biological systems. Its radiological half life is 30 years.

### Cesium-134

Cesium-134 is a beta-particle emitter also formed as a fission product in nuclear weapons detonation and atomic reactor operation. Cesium-134 is of less importance than Cesium-137 as its radiological half-life is only 72 hours.

### Cobalt-60

Cobalt-60 is primarily formed in atomic reactor operation due to the neutron activation of trace quantities of cobalt-59 found in steel. Insignificant quantities are also formed from nuclear weapons detonation. Cobalt-60 has a radiological half life of 5.3 years and emits both beta and gamma radiation.

## 4. SYNTHETIC ORGANIC ANALYSES

The synthetic organic compounds referred to in this section are classified as pesticides and industrial chemicals. These compounds contain linked carbon atoms in their chemical structure and are, for the most part, synthesized from common chemicals. Furthermore they may be subdivided into chemical families of compounds sharing common characteristics. For example, organochlorine compounds (chlorinated hydrocarbons) contain chlorine, hydrogen and carbon in their structure; they have a tendency to accumulate in the fatty tissues of animals and are stable compounds (i.e. persistent).

Until recently, only a few classes of compounds such as drugs, food additives and pesticides were controlled by legislation. For example, the only pesticides which may be offered for sale in Ontario are those which have been registered under the authority of the Pest Control Products Act which is administered by Agriculture Canada. The term pesticide includes insecticides, herbicides and fungicides which are chemical compounds used to control insects, weeds or fungi (i.e. "pests") that attack crops, animals and man. In contrast to the regulation of pesticides, thousands of unregistered synthetic organic chemicals are in daily use as raw materials, products and additives. Very little is known about their possible health and environmental effects because of their sheer number and diversity of use. Many are not hazardous, but the adverse effects already encountered by some have created concern for preventative measures of both known and potentially hazardous substances.

## Polychlorinated Biphenyls (PCBs)

PCBs are a range of industrial chemicals produced by direct chlorination of biphenyl. The North American products in this family are sold under the name Arochlor. Arochlors are characterized by a four digit number (e.g. Arochlor 1242, Arochlor 1254 of which the last two digits refer to the weight percentage of chlorine in the products. There are 208 possible compounds which could be formed by this reaction. Each product is a different mixture of up to 100 of these, each with its own unique physical, chemical and biological properties.

The main characteristics of PCBs are their chemical, physical, biological inertness and electrical insulating properties. They have been widely used in transformers, capacitors, as heat exchange fluids, plasticizers, in inks, paint, lubricants, and many other products. Spills and waste disposal practices have resulted in very large inputs of these chemicals to all facets of the environment.

PCBs are lipophylic and thus continuing environmental inputs have led to biological uptake and concentration. Of particular concern are the excessive levels detected in some fish. Levels in water and air to date have not demonstrated a threat to human health, as might arise from fish consumption. PCBs have been shown to be both acutely and chronically toxic, carcinogenic and teratogenic. Limits for human consumption have been set based on tests on monkeys and rats. The present acceptable level for PCBs in fish is 2.0 ppm. However, for protection of the fisheries resource from reproductive failure, 0.1 ppm have been suggested. Long-term use of PCBs, at elevated temperatures, and inefficient incineration of these materials have been shown to produce the highly toxic chlorodibenzofurans, closely related to dioxins.

## Trichlorophenoxyacetic Acid (2,4,5-T)

2,4,5-T is a chlorophenoxy acid herbicide. Other members of this family include 2,4-D and 2,4,5-TP which were introduced as selective weed killers at the end of World War II. Their uses include weed control in cereal crops, lawns, along roadsides, hydro and railroad rights-of-way and control of aquatic weeds.

The human toxicity of these herbicides is low; effects on farmstock and wildlife from current environmental levels would appear to be negligible and no discernible toxic effects have been reported in fish at levels below 100 mg/L.

However, 2,3,7,8-tetrachlorodibenzodioxin (TCDD), an extremely toxic compound, has been detected in 2,4,5-T formulations as a by-product of its manufacture, thus raising doubts as to the human safety of the use of 2,4,5-T, and the related herbicide 2,4,5-TP (Silvex). A tolerance level of 0.1 ppm 2,3,7,8-TCDD in 2,4,5-T formulation has been set, but the adequacy of the safety factor is still under discussion.

## Pentachlorophenol (PCP)

Pentachlorophenol is used as a herbicide, defoliant, insecticide, fungicide and wood preservative. The salts, esters and ethers of PCP are also effective herbicides.

PCP is considered relatively toxic to wildlife and fish and its presence in water can cause tainting of fish flesh, reducing its palatability. PCP can be harmful to man if inhaled or absorbed through the skin. There is no known antidote to PCP poisoning.

In addition to its inherent toxicity, a further problem is posed by the presence of high chlorinated dioxins, (octachlorodioxin, heptachlorodioxin, hexachlorodioxin) in PCP formulations. Whilst considerably less toxic than 2,3,7,8-TCDD (tetrachlorodibenzo-dioxin), it has been suggested that these compounds may degrade to 2,3,7,8-TCDD under the influence of sunlight and other environmental conditions.

# STATION IDENTIFIER CODES, ABBREVIATED PARAMETER HEADINGS AND QUALIFYING REMARKS CODES

## Station Identifier Codes

The station identifier codes which appear in the index and the top right-hand corner of the data pages are numerical descriptions of the sampling station locations and are used primarily for electronic data processing of the water quality data. The eleven digit figure is decoded as follows: the first two digits refer to the terminal basin (see figures 2 and 3), the following four digits refer to the river basin (each river basin in a terminal basin is assigned a unique number), the next three digits refer to the station number within the river basin and the last two digits refer to the type of sample (e.g. 01-lake sample, 02-stream sample, 82 to 89-composite sample, e.g. 83 - 3 part composite across a station sampling range).

### Distance

The distance in kilometres is measured along the centre line of a watercourse to the sampling station location from the junction of the related terminal stream and terminal basin.

## Abbreviated Headings

| | |
|---|---|
| BOW | body of water |
| STN NO | base station number |
| LAT | latitude (not applicable) |
| LONG | longitude (not applicable) |
| UTM | Universal Transverse Mercator Grid |
| SAMP DTE DY MO YR | sample date; day, month, year |
| HOUR LMT | hour(s) local mean time (2400 hour clock) |
| STN DIST FEET | distance from base station (in feet) (not applicable) |
| STN BRG | bearing of sampling point (deg N) from base station (not applicable) |
| SAMP DEPTH MTRS | sample depth (in metres) |
| PJ | project (not applicable) |

## Abbreviated Parameter Headings

The alphabetic codes appearing as the parameter headings are a series of unique codes used for computer processing. Each alphabetic code identifies a particular water quality parameter and analytical procedure.

| Test Name and Abbreviated Description | Description of Test | Units of Measure |
|---|---|---|
| ACDT<br>ACIDITY<br>TOTAL | Total Acidity | MILLIGRAM PER LITRE<br>AS CALCIUM CARBONATE |
| ALKT<br>ALK<br>TOTAL | Total Alkalinity | MILLIGRAM PER LITRE<br>AS CALCIUM CARBONATE |
| ALUT<br>ALUMINUM<br>UNF. TOT. | Unfiltered Total Aluminium | MILLIGRAM PER LITRE<br>AS ARSENIC |
| $BOD_5$<br>5 DAY<br>TOT. DEM. | 5 Day Total Biochemical Oxygen Demand | MILLIGRAM PER LITRE<br>AS OXYGEN |
| CAUR<br>CALCIUM<br>UNF. REAC | Unfiltered Reactive Calcium | MILLIGRAM PER LITRE<br>AS CALCIUM |
| CCNAUR<br>CYANIDE<br>AVAIL<br>UNF. REAC | Unfiltered Available Reactive Cyanide | MILLIGRAM PER LITRE<br>AS HYDROGEN CYANIDE |

| Test Name and Abbreviated Description | Description of Test | Units of Measure |
|---|---|---|
| CCUT<br>CARBON<br>UNF-TOT. | Unfiltered Total Carbon | MILLIGRAM PER LITRE AS CARBON |
| CDUT<br>CADMIUM<br>UNF.TOT. | Unfiltered Total Cadmium | MILLIGRAM PER LITRE AS CADIUM |
| CLIDUR<br>CHLORIDE<br>UNF.REAC | Unfiltered Reactive Chloride | MILLIGRAM PER LITRE AS CHLORINE |
| COD<br>CHEM. OX<br>DEMAND | Chemical Oxygen Demand | MILLIGRAM PER LITRE AS OXYGEN |
| COLAP<br>COLOUR<br>APPARENT | Apparent Colour | HAZEN COLOUR UNIT |
| COND25<br>CONDUCT. 25C | Conductivity at 25°C | MICROMHOS/CM (CONDUCTIVITY) AT 25 DEGREES CENTIGRADE |
| COUT<br>COBALT<br>UNF. TOT. | Unfiltered Total Cobalt | MILLIGRAM PER LITRE AS COBALT |
| CO60<br>COBALT<br>60 | Cobalt 60 | PICOCURIES PER LITRE |

| Test Name and Abbreviated Description | Description of Test | Units of Measure |
|---|---|---|
| CRUT<br>CHROMIUM<br>UNF. TOT. | Unfiltered Total Chromium | MILLIGRAM PER LITRE<br>AS CHROMIUM |
| CS134<br>CESIUM<br>134 | Cesium 134 | PICOCURIES PER LITRE |
| CS 137<br>CESIUM<br>137 | Cesium 137 | PICOCURIES PER LITRE |
| CUUT<br>COPPER<br>UNF. TOT. | Unfiltered Total Copper | MILLIGRAM PER LITRE<br>AS COPPER |
| DO<br>DISOLVED<br>OXYGEN | Dissolved Oxygen | MILLIGRAM PER LITRE<br>AS OXYGEN |
| DOC<br>CARBON<br>DISOLVED<br>ORGANIC | Dissolved Organic Carbon | MILLIGRAM PER LITRE<br>AS CARBON |
| FCMF<br>FECAL<br>COLIFORM<br>MF | Fecal Coliform,<br>Membrane Filtration<br>Technique | COUNTS<br>PER 100 ML |
| FEUT<br>IRON<br>UNF. TOT. | Unfiltered Total Iron | MILLIGRAM PER LITRE<br>AS IRON |

| Test Name and Abbreviated Description | Description of Test | Units of Measure |
|---|---|---|
| FFIDUR<br>FLUORIDE<br>UNF. REAC | Unfiltered Reactive Fluoride | MILLIGRAM PER LITRE AS FLUORINE |
| FSMF<br>FECAL<br>STREPCUS<br>MF | Fecal Streptococcus, Membrane Filtration Technique | COUNTS PER 100 ML |
| FWFLOW<br>STREAM<br>FLOW | Streamflow | CUBIC METRE (1000L) PER SECOND |
| FWPH<br>PH<br>FIELD | Field pH | NEGATIVE LOGARITHM OF HYDROGEN ION CONCENTRATION |
| FWSTRC<br>STREAM<br>COND. | Stream Condition | NOT APPLICABLE |
| FWTEMP<br>WATER<br>TEMP | Water Temperature | DEGREES CELSIUS |
| GACF<br>GROSS<br>ALPHA CT<br>FILTERED | Filtered Gross Alpha | PICOCURIES PER LITRE |
| GACP<br>GROSS<br>ALPHA CT<br>UNDISSOL | Undissolved Gross Alpha | PICOCURIES PER LITRE |

| Test Name and Abbreviated Description | Description of Test | Units of Measure |
|---|---|---|
| GBCF<br>GROSS<br>BETA CT<br>FILTERED | Filtered Gross Beta | PICOCURIES PER LITRE |
| GBCP<br>GROSS<br>BETA CT<br>UNDISSOL | Undissolved Gross Beta | PICOCURIES PER LITRE |
| HARDT<br>HARDNESS<br>TOTAL | Total Hardness | MILLIGRAM PER LITRE<br>AS CALCIUM CARBONATE |
| HGUT<br>MERCURY<br>UNF. TOT. | Unfiltered Total Mercury | MICROGRAM PER LITRE<br>AS MERCURY |
| HH3<br>TRITIUM<br>HYDROG-3 | Tritium | NANOCURIES PER LITRE |
| KKUR<br>POTASSIM<br>UNF.REAC | Unfiltered Reactive Potassium | MILLIGRAM PER LITRE<br>AS POTASSIUM |
| MGUR<br>MAGNESIM<br>FIL. REAC | Filtered Reactive Magnesium | MILLIGRAM PER LITRE<br>AS MAGNESIUM |
| MNUT<br>MANGANSE<br>UNF.TOT. | Unfiltered Total Manganese | MILLIGRAM PER LITRE<br>AS MANGANESE |

| Test Name and Abbreviated Description | Description of Test | Units of Measure |
|---|---|---|
| NAUR<br>SODIUM<br>UNF. REAC | Unfiltered Reactive Sodium | MILLIGRAM PER LITRE AS SODIUM |
| NIUT<br>NICKEL<br>UNF. TOT. | Unfiltered Total Nickel | MILLIGRAM PER LITRE AS NICKEL |
| NNHTFR<br>NH3-N<br>TOTAL<br>FIL. REAC | Total Filtered Reactive Ammonium-Nitrogen | MILLIGRAM PER LITRE AS NITROGEN |
| NNKI<br>TOTAL N | Total Nitrogen: Sum of Nitrate, Nitrite and Kjeldahl-Nitrogen | MILLIGRAM PER LITRE AS NITROGEN |
| NNKUR<br>KJELDAHL<br>ORGANIC UNF.REAC | Unfiltered Reactive Organic Kjeldahl-Nitrogen | MILLIGRAM PER LITRE |
| NNOTFR<br>NO2+NO3N<br>FIL.REACT | Filtered Reactive Nitrate plus Nitrite-Nitrogen | MILLIGRAM PER LITRE AS NITROGEN |
| NNO2FR<br>NO2-N<br>FIL.REAC | Filtered Reactive Nitrite-Nitrogen | MILLIGRAM PER LITRE AS NITROGEN |
| NNTIFR<br>ORG N<br>TOTAL<br>FIL.REAC | Total Filtered Reactive Organic Nitrogen | MILLIGRAM PER LITRE |

| Test Name and Abbreviated Description | Description of Test | Units of Measure |
|---|---|---|
| NNTKUR<br>K'DAHL N<br>TOTAL<br>FIL.TOT. | Filtered Total Kjeldahl-Nitrogen | MILLIGRAM PER LITRE AS NITROGEN |
| PBUT<br>LEAD UNF.TOT. | Unfiltered Total Lead | MILLIGRAM PER LITRE AS LEAD |
| pH | Lab pH | NEGATIVE LOGARITHM OF HYDROGEN ION CONCENTRATION |
| PHNOL<br>PHENOLS<br>UNF-REAC | Unfiltered Reactive Phenolics | MICROGRAM PER LITRE AS PHENOL |
| PPO4FR<br>PO4<br>FIL.REAC | Filtered Reactive Phosphate | MILLIGRAM PER LITRE AS PHOSPHORUS |
| PPUT<br>PHOSPHOR<br>UNF.TOT. | Unfiltered Total Phosphorus | MILLIGRAM PER LITRE AS PHOSPHORUS |
| PSAMF<br>PSEUDOMN<br>AERUG,<br>MF | Pseudomonas, Aeruginosa Membrane Filtration Technique | COUNTS PER 100 ML |
| P1PCBT<br>PCB<br>TOTAL | Total Polychlorinated Biphenols | MICROGRAM PER LITRE |

| Test Name and Abbreviated Description | Description of Test | Units of Measure |
|---|---|---|
| P3245T<br>2,4,5-T | 2,4,5,-Trichlorophnoxyacetic | MICROGRAM PER LITRE |
| RA226F<br>RADIUM<br>226 FIL. | Filtered Radium 226 | PICOCURIES PER LITRE |
| RSF<br>RESIDUE<br>FILTERED | Filtered Residue | MILLIGRAM PER LITRE |
| RSFRAD<br>RESIDUE<br>FILTERED RADIOLOG | Filtered Radiological Residue | MILLIGRAM PER LITRE |
| RSP<br>RESIDUE<br>PARTIC. | Particulate Residue | MILLIGRAM PER LITRE |
| RSPRAD<br>RESIDUE<br>PARTIC. RADIOLOG | Particulate Radiological Residue | MILLIGRAM PER LITRE |
| RST<br>RESIDUE<br>TOTAL | Total Residue | MILLIGRAM PER LITRE |
| SAMPLE<br>SAMPLE<br>NUMBER | Field Sample Number | NOT APPLICABLE |
| S103UR<br>SILICATE<br>UNF.REAC | Unfiltered Reactive Silicates | MILLIGRAM PER LITRE AS SILICON |

| Test Name and Abbreviated Description | Description of Test | Units of Measure |
|---|---|---|
| SOLEXT<br>SOLVENT<br>EXTRACT. | Solvent Extractables | MILLIGRAM PER LITRE |
| SSO4UR<br>SULPHATE<br>UNF.REAC | Unfiltered Reactive Sulphate | MILLIGRAM PER LITRE AS SULPHATE |
| TCMF<br>COLIFORM<br>TOTAL MF | Total Coliforms, Membrane Filtration Technique | COUNTS PER 100 ML |
| TCMFBK<br>COLIFORM<br>TOTAL MF BCKGRD | Total Background Coliforms, Membrane Filtration Technique | COUNTS PER 100 ML |
| TURB<br>TURB'ITY | Turbidity | FORMAZIN TURBIDITY UNIT |
| UU238<br>URANIUM<br>238 | Uranium 238 | MICROGRAM PER LITRE |
| X3PCPH<br>PENTACHL<br>PHENOL | Pentachlorophenol | MICROGRAM PER LITRE |
| ZNUT<br>ZINC<br>UNF.TOT. | Unfiltered Total Zinc | MILLIGRAM PER LITRE AS ZINC |

## OTHER ABBREVIATIONS

| | |
|---|---|
| ARITH MEAN | arithmetic mean |
| AVE. | avenue |
| AVG OR GEOM MN | arithmetic mean or geometric mean (denoted by *) |
| BLVD. | boulevard |
| BR. | branch, bridge or brook |
| CORP. | corporation |
| CAN. | Canadian |
| C.N.R. | Canadian National Railway |
| CO. | county or company |
| CONC. | concession |
| C.P.R. | Canadian Pacific Railway |
| Cr. | creek |
| DR. | drive |
| FT. | feet |
| GEOM MEAN | geometric mean |
| HWY. | highway |
| JNT. | junction |
| L. | left |
| MG | milligram(s) |
| MG/L or mg/L | milligrams per litre |
| ML | millilitre(s) |
| N. | north |
| nCi/L | nanocurie(s) per litre |
| NO OF SAMPLES | number of samples |
| pCi/L | picocurie(s) per litre |
| PT. | part or point |
| Q.E.W. | Queen Elizabeth Way |
| R. | river or right |
| RD. | road |
| R.R. | railroad |
| RW. | railway |
| S. | south |
| STD DEV | standard deviation |
| S.T.P. | sewage treatment plant |
| TWP. | township |
| UG/L | micrograms per litre |
| W.P.C.P. | water pollution control plant |
| WW. | water-works |

## REMARKS

Reported values may be qualified by one or more of the following remarks:

1. Remarks that apply to individual parameter results:

| REMARK | MEANING OF REMARK | EXAMPLE |
|---|---|---|
| > | ACTUAL CONC. > THAN REPORTED VALUE | 100.000> |
| < | ACTUAL CONC. < THAN REPORTED VALUE | .002< |
| F | TEST PERFORMED ON NON-FROZEN SAMPLE | 4.5F |
| P | TEST PERFORMED ON UNPRESERVED SAMPLE | 11.231P |
| T | SAMPLE COLLECTION TIME NOT RECORDED: ANALYSIS PERFORMED. RESULT IS QUESTIONABLE AND IS REPORTED WITHOUT INTERPRETATION | 65.770T |
| C | BACKGROUND COUNT TOO NUMEROUS | 34.00 C |
| I | APPROXIMATE VALUE: INSUFFICIENT DILUTION | 75.000I |
| M | MANUALLY ANALYSED | 12.00 M |
| R | DETECTION LIMIT REPORTED: VALUE < DETECTION LIMIT | .001R |
| S | DETECTION LIMIT REPORTED: UNREADABLE TRACE | .000S |
| A | APPROXIMATE RESULT | 2.00 A |
| D | RESULT SHOWN < CRITERION OF DETECTION | .02 D |
| N | NON-DETECTED | .000N |
| E | ESTIMATED OR COMPUTED VALUE | 45.870E |
| L | NO ANALYTICAL INSTRUMENT RESPONSE: (EXCESSIVE DILUTION) < VALUE | 54.070L |
| W | NO ANALYTICAL INSTRUMENT RESPONSE: DETECTION LIMIT REPORTED. RESULT CONSIDERED TO BE ZERO | 4.023W |
| U | UNRELIABLE RESULT | 345.03 U |

2. An "Exponent" is used to move the decimal point to the right when the result is greater than 7 digits or to the left if the result is measured to more than three decimal places.

EXPONENT = + 4 multiply result by 10,000
= + 3 " " " 1,000
= + 2 " " " 100
= + 1 " " " 10
= - 1 divide result by 10
= - 2 " " " 100
= - 3 " " " 1,000
= - 4 " " " 10,000

3. Remarks that apply to computed summary value:

| Remark | Meaning of Remark | Example |
|---|---|---|
| G | TEST VALUE WITH " > " REMARK IN COMPUTATION | 45.654G |
| L | TEST VALUE WITH " < " REMARK USED IN COMPUTATION | 32.004L |
| B | TEST VALUE WITH " > AND < " REMARKS OR REMARKS "R AND S" WERE USED IN COMPUTATION | 209.00B |

# ANALYTICAL TECHNIQUES USED TO MEASURE WATER QUALITY

| Microbiological Parameters | Analytical Technique |
|---|---|
| Total Coliforms | Membrane Filtration |
| Fecal Coliforms | Membrane Filtration |
| Fecal Streptococcus | Membrane Filtration |
| Pseudomonas Aerugenosa | Membrane Filtration |
| Background Count | Membrane Filtration |

| Chemical and Physical Parameters | Analytical Technique |
|---|---|
| Alkalinity | Auto* fixed endpoint titration |
| Ammonia-N (filtered total) | Auto modified Berthelot reaction |
| Arsenic | Flameless AAS**; colourimetry |
| Cadmium | AAS |
| Calcium | AAS; ED TA titrimetric |
| Carbon | Auto oxidation, colourimetry |
| Chloride | Auto potentiometric titration; Auto FeCNS |
| Chromium | AAS; colourimetry |
| Conductivity | 25°C thermostated conductivity meter |
| Copper | AAS |
| Iron (total) | AAS; Auto TPTZ colourimetry |
| Lead | AAS |
| Magnesium | AAS; calculation from hardness, Ca |
| Manganese | AAS; Auto formaldoxime colourimetry |
| Mercury | Flameless AAS |
| Nickel | AAS |
| Nitrate + Nitrite-N (filtered) | Auto hydrazine reduction-diazotization |
| Kjeldahl-N | Digest, Auto modified Berthelot reaction |
| Phosphate-P (filtered reactive) | Auto molybdenum blue-ascorbic acid |
| pH | Potentiometric-glass electrode |
| Phenolics-reactive | Auto distillation-4AAP |
| Phosphorus-total | Digest, Auto molybdenum blue-ascorbic acid |
| Phosphorus-filtered total | Digest, Auto molybdenum blue-ascorbic acid |
| Potassium | AAS |

con't previous page

| Chemical and Physical Parameters | Analytical Technique |
|---|---|
| Selenium | Fluorimetry |
| Silicates-reactive | Auto molybdenum blue-ascorbic acid |
| Sodium | AAS |
| Solids-suspended | Gravimetric |
| Sulfate | Auto MTB colourimetry; Ion Chromatography |
| Turbidity | Nephelometry, formazin standard |
| Zinc | AAS |

| Radiochemical Parameters | |
|---|---|
| Gross alpha | Nuclear disintegrations count from evaporated residues |
| Gross beta | Nuclear disintegrations count from evaporated residues |
| Radium-226 | Diemination technique |
| Uranium-total | Fluorometric technique |
| Cesium 137 | Gamma spectrometry |
| Cesium 134 | Gamma spectrometry |
| Cobalt 60 | Gamma spectrometry |

| Synthetic Organic Parameters | |
|---|---|
| PCB | Solvent extraction, gas chromatography |
| 2,4,5-T | Solvent extraction, gas chromatography |
| PCP | Solvent extraction, gas chromatography |

* Automated instrumentation

** Atomic Absorption Spectrophotometry

## GLOSSARY OF TERMS

**Arithmetic Mean** - The nth quotient of the summation of n observations. The equation for the arithmetic mean (X) can be expressed as:

$$X = \frac{X_1 + X_2 + X_3 + \ldots\ldots X_n}{n}$$

**Detection Limit** - The amount of analyte required to be present to ensure that when it is 'absent' it will not be reported as 'present'.

**Geometric Mean** - The nth root of the product of n observations. The equation for the geometric mean ($G_x$) can be expressed as:

$$G_x = \sqrt[n]{X_1 \quad X_2 \quad X_3 \ldots\ldots \; X_n}$$

$$\text{or } G_x - \text{antilog} \left( \frac{\log X_1 + \log X_2 \ldots . \log X_n}{n} \right)$$

**Standard Deviation** - A measure of reproducibility that would be obtained if a sample were reanalyzed. It can be determined in one of two ways

a) a single sample is analyzed n times to obtain results $X_1$, $X_2$, ----- $X_n$. The average value is calculated $\bar{X} = \Sigma X/n$. The deviations ($X_n - \bar{X}$) are used to calculate the standard deviation

$$s = \sqrt{\Sigma (X_n - \bar{X})^2/(n - 1)}$$

b) n samples are analyzed each in duplicate to obtain differences between results $(X_1 - X_2)_1$ ---- $(X_1 - X_2)_n$. These differences are used to calculate the standard deviation

$$s = \sqrt{\Sigma (X_1 - X_2)_n^2/2n}$$

Both of these estimates of s are equally valid and can be used to predict the likelihood of finding a large difference between any two results, providing they were obtained under similar circumstances. On average, a single result will be within ± s of its average value in two out of three cases. It will be within ±1.96 s of the average in 19 out of 20 times, i.e. 95% of the time. Therefore, the difference between any two single results will be within $\pm 1.96 \sqrt{2}$ s 95% of the time, where the $\sqrt{2}$ factor accounts for the variability in both results.

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SAMPLE INFORMATION SYSTEM | 1980 WATER QUALITY DATA | DATE OF REPORT: 29 AUG 81

B O W / SITE: **LAKE SUPERIOR**
SAMPLE POINT: **INSIDE EASTERN GAP THUNDER BAY**
STATION TYPE: **LAKE**
MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
STATION ID: **01-0000-001-01**
STORET CODE: **02**
**001**
LAT:
LONG:
U T M: **16 0338850.0 5368250.0 4**
REGION: **08**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P |
| 80 05 06 1200 | | | .3 | 1 | 10063 | | 264 | 288 | 28 | 8.0 | 10.4 | 1.2 | 0.009 | 0.001< |
| 80 06 16 | | | .3 | 1 | 10087 | | 500I | 732 | 20 | 12.0 | 12.8 | 1.0 | 0.009 | 0.001< |
| 80 07 14 1400 | | | .3 | 1 | 10111 | | 24 | 1100 | 4 | 13.1 | 11.4 | 0.4 | 0.005 | 0.001< |
| 80 08 26 1450 | | | .3 | 1 | 10135 | 9 | 510 | 1610 | 40 | 17.0 | 8.4 | 1.0 | 0.004 | 0.001< |
| 80 09 22 1115 | | | .3 | 1 | 10164 | | 500I | 3500 | 112 | 10.8 | 11.8 | 1.0 | 0.011 | 0.001< |
| 80 10 14 1230 | | | .3 | 1 | 10186 | | 100 | 210 | 12 | 8.0 | 11.0 | 1.4 | 0.009 | 0.002 |
| MAXIMUM | | | | | | | 510 | 3500 | 112 | 17.0 | 12.8 | 1.4 | 0.011 | 0.002 |
| ARITH MEAN | | | | | | | 316 | 1240 | 36 | 11.5 | 11.0 | 1.0 | 0.008 | 0.001L |
| GEOM MEAN | | | | | | | 208 | 806 | 22 | 11.1 | 10.9 | 0.9 | 0.007 | 0.001L |
| MINIMUM | | | | | | | 24 | 210 | 4 | 8.0 | 8.4 | 0.4 | 0.004 | 0.001< |
| STD DEV | | | | | | | 219 | 1224 | 39 | 3.4 | 1.5 | 0.3 | 0.003 | 0.000L |
| NO OF SAMPLES | | | | | | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

| TEST-NAME: | | | | | RST | RSP | COND25 | TURB | CLIDUR | ALKT | PH | FWPH | PHNOL | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURBITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE |
| 80 05 06 1200 | | | .3 | 1 | 50.00 | 5.00 | 78.0 | 1.90 | 1.900 | 30.0 | 7.10 | 8.3 | | 0.190 |
| 80 06 16 | | | .3 | 1 | 90.00 | 3.00 | 117.0 | 5.30 | 5.600 | 41.0 | 7.20 | 7.9 | 1.000 | |
| 80 07 14 1400 | | | .3 | 1 | 85.00 | 1.00 | 105.0 | 1.70 | 2.100 | 46.0 | 7.80 | 7.1 | | |
| 80 08 26 1450 | | | .3 | 1 | 90.00 | 4.00 | 106.0 | 2.90 | 2.500 | 43.0 | 7.30 | 7.7 | | 0.18 |
| 80 09 22 1115 | | | .3 | 1 | 60.00 | 4.00 | 82.0 | 2.90 | 2.400 | 34.0 | 7.40 | 8.0 | | 0.500 |
| 80 10 14 1230 | | | .3 | 1 | 90.00 | 2.00 | 98.0 | 1.50 | 2.000 | 40.0 | 7.20 | 7.8 | 1.000< | 0.150 |
| MAXIMUM | | | | | 90.00 | 5.00 | 117.0 | 5.30 | 5.600 | 46.0 | 7.80 | 8.3 | 1.000 | 0.500 |
| ARITH MEAN | | | | | 77.50 | 3.17 | 97.7 | 2.70 | 2.750 | 39.0 | 7.33 | 7.8 | 1.000L | 0.25 |
| GEOM MEAN | | | | | 76.56 | 2.80 | 96.7 | 2.46 | 2.539 | 38.6 | 7.33 | 7.8 | 1.000L | 0.22 |
| MINIMUM | | | | | 50.00 | 1.00 | 78.0 | 1.50 | 1.900 | 30.0 | 7.10 | 7.1 | 1.000< | 0.150 |
| STD DEV | | | | | 17.82 | 1.47 | 15.0 | 1.41 | 1.415 | 5.9 | 0.25 | 0.4 | 0.000L | 0.16 |
| NO OF SAMPLES | | | | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 2 | 4 |

| TEST-NAME: | | | | | HARDT | COLAP | ASUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | HARDNESS TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI |
| 80 05 06 1200 | | | .3 | 1 | 33.000 | 30.000 | 0.002 | 0.001 | 0.001 | 0.001< | 0.001< | 0.002 | 0.010 | 0.001 |
| 80 06 16 | | | .3 | 1 | 44.000 | 13.000 | | | | | | | | |
| 80 07 14 1400 | | | .3 | 1 | 46.000 | 5.000< | | | | | | | | |
| 80 08 26 1450 | | | .3 | 1 | 50.000 | 20.000 | 0.001< | 0.001< | 0.002 | 0.003 | 0.001< | 0.001 | 0.011 | 0.001 |
| 80 09 22 1115 | | | .3 | 1 | 40.000 | 66.000 | | | | | | | | |
| 80 10 14 1230 | | | .3 | 1 | 40.000 | 26.000 | 0.001< | 0.001 | 0.002 | 0.001 | 0.001< | 0.002 | 0.006 | 0.006 |
| MAXIMUM | | | | | 50.000 | 66.000 | 0.002 | 0.001 | 0.002 | 0.003 | 0.001 | 0.002 | 0.011 | 0.006 |
| ARITH MEAN | | | | | 42.167 | 26.667L | 0.001L | 0.001L | 0.002 | 0.002L | 0.001L | 0.002 | 0.009 | 0.003 |
| GEOM MEAN | | | | | 41.812 | 20.146L | 0.001L | 0.001L | 0.002 | 0.001L | 0.001L | 0.002 | 0.009 | 0.002 |
| MINIMUM | | | | | 33.000 | 5.000< | 0.001< | 0.001< | 0.001 | 0.001< | 0.001< | 0.001 | 0.006 | 0.001 |
| STD DEV | | | | | 5.879 | 21.257L | 0.001L | 0.000L | 0.001 | 0.001L | 0.000L | 0.001 | 0.003 | 0.003 |
| NO OF SAMPLES | | | | | 6 | 6 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| TEST-NAME: | | | | | COUT | CCNAUR |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 05 06 1200 | | | .3 | 1 | 0.001 | 0.010< |
| 80 08 26 1450 | | | .3 | 1 | 0.001< | |
| 80 10 14 1230 | | | .3 | 1 | 0.001< | 0.01 < |
| MAXIMUM | | | | | 0.001 | 0.01 |
| ARITH MEAN | | | | | 0.001L | 0.01 L |
| GEOM MEAN | | | | | 0.001L | 0.01 L |
| MINIMUM | | | | | 0.001< | 0.010< |
| STD DEV | | | | | 0.000L | 0.00 L |
| NO OF SAMPLES | | | | | 3 | 2 |

B O W / SITE: **LAKE SUPERIOR**
SAMPLE POINT: **OFF MOUTH OF KAMINISTIQUIA RIVER**
STATION TYPE: **LAKE**
MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
STATION ID: **01-0000-002-01**
STORET CODE: **02**
**001**
LAT:
LONG:
U T M: **16 0336550.0 5362000.0 4**
REGION: **08**

| TEST-NAME: | | | | | SAMPLE | TCMF | TCMFBK | FCMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | RESIDUE TOTAL MG/L |
| 80 05 06 1200 | | | .3 | 1 | 10060 | 84 | 420 | 24 | 8.5 | 11.8 | 0.6 | 0.014 | 0.001 | 95.00 |
| 80 06 16 | | | .3 | 1 | 10084 | 1700 | 3200 | 116C | 12.5 | 12.5 | 1.0 | 0.036 | 0.002 | 85.00 |
| 80 07 14 1345 | | | .3 | 1 | 10108 | 2600 | 3300 | 500I | 15.0 | 2.0 | 1.0 | 0.016 | 0.001< | 70.00 |
| 80 08 26 1800 | | | .3 | 1 | 10130 | 5400 | 9400 | 670 | 16.5 | 7.5 | 0.8 | 0.028 | 0.003 | 85.00 |
| 80 09 22 1245 | | | .3 | 1 | 10159 | 3200 | 9500 | 300 | 10.5 | 10.2 | 1.4 | 0.038 | 0.005 | 110.00 |
| 80 10 14 1215 | | | .3 | 1 | 10183 | 8400C | 25000 | 1700 | 7.5 | 9.6 | 4.4 | 0.047 | 0.003 | 110.00 |
| MAXIMUM | | | | | | 8400 | 25000 | 1700 | 16.5 | 12.5 | 4.4 | 0.047 | 0.005 | 110.00 |
| ARITH MEAN | | | | | | 3684 | 8470 | 882 | 11.7 | 8.9 | 1.5 | 0.030 | 0.002L | 92.50 |
| GEOM MEAN | | | | | | 1844 | 4634 | 279 | 11.3 | 7.7 | 1.2 | 0.027 | 0.002L | 91.36 |
| MINIMUM | | | | | | 84 | 420 | 24 | 7.5 | 2.0 | 0.6 | 0.014 | 0.001< | 70.00 |
| STD DEV | | | | | | 2946 | 8882 | 611 | 3.6 | 3.8 | 1.4 | 0.013 | 0.002L | 15.73 |
| NO OF SAMPLES | | | | | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

(CONTD)

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B O W / SITE: **LAKE SUPERIOR**
SAMPLE POINT: **OFF MOUTH OF KAMINISTIQUIA RIVER**
STATION TYPE: **LAKE**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**

STATION ID: **01-0000-002-01**

STORET CODE: **02**
**001**

LAT LONG: U T M: **16 0336550.0 5362000.0 4** REGION: **06**

| TEST-NAME: | | | | | RSP | COND25 | TURB | CLIDUR | ALKT | PH | FWPH | PHNOL | FEUT | HARDT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 |
| 80 05 06 1200 | | | .3 | 1 | 20.00 | 106.0 | 3.50 | 4.300 | 39.0 | 6.70 | 8.0 | | 0.450 | 42.000 |
| 80 06 16 | | | .3 | 1 | 4.00 | 125.0 | 6.90 | 6.100 | 45.0 | 7.40 | 7.5 | 1.000< | 0.065 | 48.000 |
| 80 07 14 1345 | | | .3 | 1 | 3.00 | 120.0 | 1.10 | 4.400 | 44.0 | 7.50 | 7.3 | | 0.084 | 48.000 |
| 80 08 26 1800 | | | .3 | 1 | 5.00 | 118.0 | 2.60 | 4.600 | 45.0 | 7.30 | 7.6 | | 0.36 | 52.000 |
| 80 09 22 1245 | | | .3 | 1 | 10.00 | 136.0 | 6.60 | 6.000 | 48.0 | 7.30 | 7.8 | | 1.300 | 66.000 |
| 80 10 14 1215 | | | .3 | 1 | 10.00 | 130.0 | 4.00 | 6.300 | 42.0 | 6.70 | 7.5 | 1.000< | 0.700 | 46.000 |
| MAXIMUM | | | | | **20.00** | **136.0** | **6.90** | **6.300** | **48.0** | **7.50** | **8.0** | **1.000** | **1.300** | **66.000** |
| ARITH MEAN | | | | | **8.67** | **122.5** | **4.12** | **5.283** | **43.8** | **7.15** | **7.6** | **1.000L** | **0.49** | **50.333** |
| GEOM MEAN | | | | | **7.02** | **122.1** | **3.50** | **5.213** | **43.7** | **7.14** | **7.6** | **1.000L** | **0.30** | **49.813** |
| MINIMUM | | | | | **3.00** | **106.0** | **1.10** | **4.300** | **39.0** | **6.70** | **7.3** | **1.000<** | **0.065** | **42.000** |
| STD DEV | | | | | **6.31** | **10.4** | **2.27** | **0.941** | **3.1** | **0.36** | **0.2** | **0.000L** | **0.46** | **8.336** |
| NO OF SAMPLES | | | | | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **2** | **6** | **6** |

| TEST-NAME: | | | | | COLAP | ASUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 05 06 1200 | | | .3 | 1 | 20.000 | 0.002 | 0.002 | 0.003 | 0.001< | 0.001< | 0.002 | 0.016 | 0.001 | 0.001 |
| 80 06 16 | | | .3 | 1 | 13.000 | | | 0.007 | | | 0.017 | 0.400 | | |
| 80 07 14 1345 | | | .3 | 1 | 5.000 | | | 0.004 | | | 0.001 | 0.007 | | |
| 80 08 26 1800 | | | .3 | 1 | 20.000 | 0.001< | 0.001< | 0.008 | 0.001 | 0.001< | 0.004 | 0.016 | 0.001 | 0.001< |
| 80 09 22 1245 | | | .3 | 1 | 77.000 | 0.001 | 0.003 | 0.004 | | | 0.005 | 0.046 | | 0.001< |
| 80 10 14 1215 | | | .3 | 1 | 55.000 | 0.001< | 0.004 | 0.003 | 0.001< | 0.001 | 0.005 | 0.032 | 0.012 | 0.001< |
| MAXIMUM | | | | | **77.000** | **0.002** | **0.004** | **0.008** | **0.001** | **0.001** | **0.017** | **0.400** | **0.012** | **0.001** |
| ARITH MEAN | | | | | **31.667** | **0.001L** | **0.002L** | **0.005** | **0.001L** | **0.001L** | **0.006** | **0.086** | **0.005** | **0.001L** |
| GEOM MEAN | | | | | **21.893** | **0.001L** | **0.002L** | **0.004** | **0.001L** | **0.001L** | **0.004** | **0.032** | **0.002** | **0.001L** |
| MINIMUM | | | | | **5.000** | **0.001<** | **0.001<** | **0.003** | **0.001<** | **0.001<** | **0.001** | **0.007** | **0.001** | **0.001<** |
| STD DEV | | | | | **28.040** | **0.000L** | **0.001L** | **0.002** | **0.000L** | **0.000L** | **0.006** | **0.154** | **0.006** | **0.000L** |
| NO OF SAMPLES | | | | | **6** | **4** | **4** | **6** | **3** | **3** | **6** | **6** | **3** | **4** |

B O W / SITE: **LAKE SUPERIOR**
SAMPLE POINT: **NEAR PULP MILL MISSION BAY THUNDER BAY**
STATION TYPE: **LAKE**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**

STATION ID: **01-0000-003-01**

STORET CODE: **02**
**001**

LAT LONG: U T M: **16 0336550.0 5357325.0 4** REGION: **06**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P |
| 80 05 06 1200 | | | .3 | 1 | 10061 | | 3000 | 2400 | 900I | 10.0 | 10.8 | 6.0 | 0.023 | 0.004 |
| 80 06 16 | | | .3 | 1 | 10085 | | 10400 | 11100 | 1130 | 13.0 | 7.2 | 8.0 | 0.030 | 0.001 |
| 80 07 14 1205 | | | .3 | 1 | 10109 | | 200I | 300I | 60I | 17.0 | 8.5 | 1.2 | 0.022 | 0.001< |
| 80 08 26 1610 | | | .3 | 1 | 10140 | 9 0 | 25000 | 33000 | 270 | 18.0 | 7.2 | 2.6 | 0.010 | 0.001 |
| 80 09 22 1330 | | | .3 | 1 | 10162 | | 2800 | 10900 | 1000 | 11.0 | 11.5 | 3.0 | 0.031 | 0.005 |
| MAXIMUM | | | | | | | **25000** | **33000** | **1130** | **18.0** | **11.5** | **8.0** | **0.031** | **0.005** |
| ARITH MEAN | | | | | | | **8280** | **11540** | **672** | **13.8** | **9.0** | **4.2** | **0.023** | **0.002L** |
| GEOM MEAN | | | | | | | **3373** | **4917** | **440** | **13.4** | **8.9** | **3.4** | **0.022** | **0.002L** |
| MINIMUM | | | | | | | **200** | **300** | **60** | **10.0** | **7.2** | **1.2** | **0.010** | **0.001<** |
| STD DEV | | | | | | | **10090** | **12952** | **476** | **3.6** | **2.0** | **2.8** | **0.008** | **0.002L** |
| NO OF SAMPLES | | | | | | | **5** | **5** | **5** | **5** | **5** | **5** | **5** | **5** |

| TEST-NAME: | | | | | RST | RSP | COND25 | TURB | CLIDUR | ALKT | PH | FWPH | PHNOL | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE |
| 80 05 06 1200 | | | .3 | 1 | 160.00 | 30.00 | 150.0 | 5.00 | 9.100 | 40.0 | 6.80 | 7.8 | | 0.650 |
| 80 06 16 | | | .3 | 1 | 160.00 | 5.00 | 152.0 | 5.30 | 6.200 | 43.0 | 6.90 | 7.2 | 9.000 | |
| 80 07 14 1205 | | | .3 | 1 | 85.00 | 5.00 | 130.0 | 1.20 | 6.600 | 44.0 | 7.50 | 7.8 | | |
| 80 08 26 1610 | | | .3 | 1 | 95.00 | 4.00 | 118.0 | 1.80 | 3.700 | 43.0 | 7.10 | 7.5 | | 0.23 |
| 80 09 22 1330 | | | .3 | 1 | 130.00 | 15.00 | 138.0 | 15.00 | 6.600 | 47.0 | 7.20 | 7.7 | | 1.100 |
| MAXIMUM | | | | | **160.00** | **30.00** | **152.0** | **15.00** | **9.100** | **47.0** | **7.50** | **7.8** | **9.000** | **1.100** |
| ARITH MEAN | | | | | **126.00** | **11.80** | **137.6** | **5.66** | **6.440** | **43.4** | **7.10** | **7.6** | **9.000** | **0.66** |
| GEOM MEAN | | | | | **121.86** | **8.52** | **137.0** | **3.86** | **6.191** | **43.3** | **7.10** | **7.6** | | **0.54** |
| MINIMUM | | | | | **85.00** | **4.00** | **118.0** | **1.20** | **3.700** | **40.0** | **6.80** | **7.2** | **9.000** | **0.23** |
| STD DEV | | | | | **35.26** | **11.12** | **14.2** | **5.54** | **1.917** | **2.5** | **0.27** | **0.3** | | **0.43** |
| NO OF SAMPLES | | | | | **5** | **5** | **5** | **5** | **5** | **5** | **5** | **5** | **1** | **3** |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | HARDT HARDNESS TOTAL MG/L AS CACO3 | COLAP COLOUR APPARENT HZU | CRUT CHROMIUM UNF.TOT. MG/L AS CR | CUUT COPPER UNF.TOT. MG/L AS CU | PBUT LEAD UNF.TOT. MG/L AS PB | CDUT CADMIUM UNF.TOT. MG/L AS CD | ZNUT ZINC UNF.TOT MG/L AS ZN | MNUT MANGANSE UNF.TOT. MG/L AS MN | NIUT NICKEL UNF.TOT. MG/L AS NI | COUT COBALT UNF.TOT MG/L AS CO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 05 06 1200 | | | .3 | 1 | 49.000 | 70.000 | 0.003 | 0.007 | 0.002 | 0.001< | 0.006 | 0.045 | 0.001 | 0.001 |
| 80 06 16 | | | .3 | 1 | 48.000 | 31.000 | | | | | | | | |
| 80 07 14 1205 | | | .3 | 1 | 56.000 | 10.000 | | | | | | | | |
| 80 08 26 1610 | | | .3 | 1 | 50.000 | 26.000 | 0.001< | 0.003 | 0.004 | 0.001< | 0.001 | 0.021 | 0.001 | 0.001< |
| 80 09 22 1330 | | | .3 | 1 | 56.000 | 127.000 | 0.001< | 0.002 | | | 0.012 | 0.036 | | 0.002 |
| MAXIMUM | | | | | 56.000 | 127.000 | 0.003 | 0.007 | 0.004 | 0.001 | 0.012 | 0.045 | 0.001 | 0.002 |
| ARITH MEAN | | | | | 51.800 | 52.800 | 0.002L | 0.004 | 0.003 | 0.001L | 0.006 | 0.034 | 0.001 | 0.001L |
| GEOM MEAN | | | | | 51.684 | 37.243 | 0.001L | 0.003 | 0.003 | 0.001L | 0.004 | 0.032 | 0.001 | 0.001L |
| MINIMUM | | | | | 48.000 | 10.000 | 0.001< | 0.002 | 0.002 | 0.001< | 0.001 | 0.021 | 0.001 | 0.001< |
| STD DEV | | | | | 3.899 | 46.976 | 0.001L | 0.003 | 0.001 | 0.000L | 0.006 | 0.012 | 0.000 | 0.001L |
| NO OF SAMPLES | | | | | 5 | 5 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 3 |

B.O.W./ SITE: **LAKE SUPERIOR**
SAMPLE POINT: **NEAR PROV.MILL,EASTERN GAP THUNDER BAY**
STATION TYPE: **LAKE**
MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
STATION ID: **01-0000-004-01**
STORET CODE: **02 001**
LAT: LONG: U T M: **16 0339500.0 5368400.0 4** REGION: **06**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE SAMPLE NUMBER | FWSTRC STREAM COND. | TCMF COLIFORM TOTAL MF CNT /100ML | TCMFBK COLIFORM TOTAL MF BCKGRD CNT /100ML | FCMF FECAL COLIFORM MF CNT /100ML | FWTEMP WATER TEMP DEG.C | DO DISOLVED OXYGEN MG/L AS O | BOD5 BOD 5 DAY TOT.DEM. MG/L AS O | PPUT PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR PO4 FIL.REAC MG/L AS P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 05 06 1200 | | | .3 | 1 | 10062 | | 240 | 1810 | 24 | 10.0 | 9.2 | 15.0 | 0.049 | 0.014 |
| 80 06 16 | | | .3 | 1 | 10086 | | 564 | 484 | 12 | 12.0 | 12.2 | 2.0 | 0.016 | 0.002 |
| 80 07 14 1120 | | | .3 | 1 | 10110 | | 48 | 400 | 12 | 14.5 | 11.7 | 0.6 | 0.004 | 0.001< |
| 80 08 26 1440 | | | .3 | 1 | 10136 | 9 | 470 | 1620 | 60 | 17.5 | 6.5 | 1.4 | 0.011 | 0.001 |
| 80 09 22 1110 | | | .3 | 1 | 10163 | | 320C | 4100 | 44 | 10.6 | 11.8 | 1.2 | 0.016 | 0.001 |
| 80 10 14 1240 | | | .3 | 1 | 10185 | | 170 | 2100 | 44 | 8.0 | 10.6 | 3.2 | 0.019 | 0.004 |
| MAXIMUM | | | | | | | 564 | 4100 | 60 | 17.5 | 12.2 | 15.0 | 0.049 | 0.014 |
| ARITH MEAN | | | | | | | 302 | 1752 | 33 | 12.1 | 10.3 | 3.9 | 0.019 | 0.004L |
| GEOM MEAN | | | | | | | 234 | 1303 | 27 | 11.7 | 10.1 | 2.1 | 0.015 | 0.002L |
| MINIMUM | | | | | | | 48 | 400 | 12 | 8.0 | 6.5 | 0.6 | 0.004 | 0.001< |
| STD DEV | | | | | | | 191 | 1348 | 20 | 3.4 | 2.2 | 5.5 | 0.016 | 0.005L |
| NO OF SAMPLES | | | | | | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RST RESIDUE TOTAL MG/L | RSP RESIDUE PARTIC. MG/L | COND25 CONDUCT. 25C UMHO/CM AT 25 C | TURB TURB'ITY FTU | CLIDUR CHLORIDE UNF.REAC MG/L AS CL | ALKT ALK TOTAL MG/L AS CACO3 | PH PH | FWPH PH FIELD | PHNOL PHENOLS UNF-REAC UG/L PHENOL | FEUT IRON UNF.TOT. MG/L AS FE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 05 06 1200 | | | .3 | 1 | 160.00 | 20.00 | 124.0 | 49.00 | 3.700 | 33.0 | 6.70 | 8.6 | | 0.410 |
| 80 06 16 | | | .3 | 1 | 100.00 | 4.00 | 129.0 | 22.00 | 7.600 | 41.0 | 7.10 | 7.6 | 1.000 | |
| 80 07 14 1120 | | | .3 | 1 | 45.00 | 3.00 | 105.0 | 1.40 | 2.500 | 43.0 | 7.70 | 7.2 | | |
| 80 08 26 1440 | | | .3 | 1 | 75.00 | 4.00 | 110.0 | 4.80 | 2.500 | 43.0 | 7.20 | 7.5 | | 0.21 |
| 80 09 22 1110 | | | .3 | 1 | 70.00 | 3.00 | 46 | 3.30 | 2.300 | 40.0 | 7.40 | 8.0 | | 0.400 |
| 80 10 14 1240 | | | .3 | 1 | 110.00 | 4.00 | 99.0 | 8.20 | 2.500 | 35.0 | 6.90 | 7.2 | 1.000< | 0.300 |
| MAXIMUM | | | | | 160.00 | 20.00 | 129.0 | 49.00 | 7.600 | 43.0 | 7.70 | 8.6 | 1.000 | 0.410 |
| ARITH MEAN | | | | | 93.33 | 6.33 | 102 | 14.78 | 3.517 | 39.2 | 7.17 | 7.7 | 1.000L | 0.33 |
| GEOM MEAN | | | | | 86.39 | 4.76 | 97 | 7.62 | 3.169 | 39.0 | 7.16 | 7.7 | 1.000L | 0.31 |
| MINIMUM | | | | | 45.00 | 3.00 | 46 | 1.40 | 2.300 | 33.0 | 6.70 | 7.2 | 1.000< | 0.21 |
| STD DEV | | | | | 39.96 | 6.71 | 29 | 18.31 | 2.083 | 4.2 | 0.38 | 0.5 | 0.000L | 0.09 |
| NO OF SAMPLES | | | | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 2 | 4 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | HARDT HARDNESS TOTAL MG/L AS CACO3 | COLAP COLOUR APPARENT HZU | CRUT CHROMIUM UNF.TOT. MG/L AS CR | CUUT COPPER UNF.TOT. MG/L AS CU | PBUT LEAD UNF.TOT. MG/L AS PB | CDUT CADMIUM UNF.TOT. MG/L AS CD | ZNUT ZINC UNF.TOT. MG/L AS ZN | MNUT MANGANSE UNF.TOT. MG/L AS MN | NIUT NICKEL UNF.TOT. MG/L AS NI | COUT COBALT UNF.TOT. MG/L AS CO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 05 06 1200 | | | .3 | 1 | 47.000 | 70.000> | 0.002 | 0.004 | 0.001 | 0.001< | 0.008 | 0.083 | 0.001 | 0.001< |
| 80 06 16 | | | .3 | 1 | 46.000 | 17.000 | | | | | | | | |
| 80 07 14 1120 | | | .3 | 1 | 48.000 | 5.000< | | | | | | | | |
| 80 08 26 1440 | | | .3 | 1 | 50.000 | 15.000 | 0.001< | 0.005 | 0.001< | 0.001< | 0.003 | 0.017 | 0.001< | 0.001< |
| 80 09 22 1110 | | | .3 | 1 | 46.000 | 41.000 | | | | | | 0.021 | | |
| 80 10 14 1240 | | | .3 | 1 | 40.000 | 66.000 | 0.001< | 0.002 | 0.001< | 0.001 | 0.003 | 0.020 | 0.009 | 0.001< |
| MAXIMUM | | | | | 50.000 | 70.000> | 0.002 | 0.005 | 0.001 | 0.001 | 0.008 | 0.083 | 0.009 | 0.001 |
| ARITH MEAN | | | | | 46.167 | 35.667B | 0.001L | 0.004 | 0.001L | 0.001L | 0.005 | 0.035 | 0.004L | 0.001L |
| GEOM MEAN | | | | | 46.059 | 24.966B | 0.001L | 0.003 | 0.001L | 0.001L | 0.004 | 0.028 | 0.002L | 0.001L |
| MINIMUM | | | | | 40.000 | 5.000< | 0.001< | 0.002 | 0.001< | 0.001< | 0.003 | 0.017 | 0.001< | 0.001< |
| STD DEV | | | | | 3.371 | 27.726B | 0.001L | 0.002 | 0.000L | 0.000L | 0.003 | 0.032 | 0.005L | 0.000L |
| NO OF SAMPLES | | | | | 6 | 6 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 |

B.O.W./ SITE: **LAKE SUPERIOR**
SAMPLE POINT: **NEAR ABITIBI THUNDER BAY PAPER MILL SLIP**
STATION TYPE: **LAKE**
MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
STATION ID: **01-0000-005-01**
STORET CODE: **02 001**
LAT: LONG: U T M: **16 0340425.0 5370550.0 4** REGION: **06**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE SAMPLE NUMBER | FWSTRC STREAM COND. | TCMF COLIFORM TOTAL MF CNT /100ML | TCMFBK COLIFORM TOTAL MF BCKGRD CNT /100ML | FCMF FECAL COLIFORM MF CNT /100ML | FWTEMP WATER TEMP DEG.C | DO DISOLVED OXYGEN MG/L AS O | BOD5 BOD 5 DAY TOT.DEM. MG/L AS O | PPUT PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR PO4 FIL.REAC MG/L AS P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 05 06 1200 | | | .3 | 1 | 10064 | | 24 | 32 | 4< | 4.5 | 11.9 | 0.6 | 0.006 | 0.001< |
| 80 06 16 | | | .3 | 1 | 10088 | | 4 | 4 | 4< | 10.0 | 11.2 | 0.4 | 0.009 | 0.001< |
| 80 07 14 1055 | | | .3 | 1 | 10112 | | 12 | 560 | 4< | 16.2 | 70.5 | 0.8 | 0.004 | 0.001< |
| 80 08 26 1420 | | | .3 | 1 | 10133 | 0 | 188 | 660 | 12 | 17.0 | 8.6 | 2.8 | 0.007 | 0.002 |
| 80 09 22 1030 | | | .3 | 1 | 10160 | | 200C | 4700 | 12 | 11.2 | 10.8 | 1.4 | 0.006 | 0.001< |
| 80 10 14 1300 | | | .3 | 1 | 10187 | | 10C | 2400 | 4< | 8.0 | 11.0 | 0.6 | 0.007 | 0.001 |
| MAXIMUM | | | | | | | 200 | 4700 | 12 | 17.0 | 70.5 | 2.8 | 0.009 | 0.002 |
| ARITH MEAN | | | | | | | 73 | 1393 | 7L | 11.1 | 20.7 | 1.1 | 0.006 | 0.001L |
| GEOM MEAN | | | | | | | 28 | 285 | 6L | 10.2 | 14.6 | 0.9 | 0.006 | 0.001L |
| MINIMUM | | | | | | | 4 | 4 | 4< | 4.5 | 8.6 | 0.4 | 0.004 | 0.001< |
| STD DEV | | | | | | | 94 | 1842 | 4L | 4.8 | 24.4 | 0.9 | 0.002 | 0.000L |
| NO OF SAMPLES | | | | | | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

B.O.W./ SITE: **LAKE SUPERIOR**
SAMPLE POINT: **NEAR ABITIBI THUNDER BAY PAPER MILL SLIP**
STATION TYPE: **LAKE**
MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
STATION ID: **01-0000-005-01**
STORET CODE: **02 001**
LAT: LONG: U T M: **16 0340425.0 5370550.0 4** REGION: **06**

| TEST-NAME: | | | | | RST | RSP | COND25 | TURB | CLIDUR | ALKT | PH | FWPH | PHNOL | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'TY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE |
| 80 05 06 1200 | | | .3 | 1 | 55.00 | 2.00 | 103.0 | 0.40 | 1.600 | 45.0 | 7.40 | 7.7 | | 0.031 |
| 80 06 16 | | | .3 | 1 | 65.00 | 1.00 | 101.0 | 0.75 | 1.600 | 44.0 | 7.40 | 7.8 | 2.600 | |
| 80 07 14 1055 | | | .3 | 1 | 75.00 | 2.00 | 103.0 | 1.10 | 1.900 | 47.0 | 7.90 | 6.8 | | |
| 80 08 26 1420 | | | .3 | 1 | 90.00 | 2.00 | 107.0 | 1.70 | 2.000 | 43.0 | 7.40 | 7.8 | | 0.092 |
| 80 09 22 1030 | | | .3 | 1 | 75.00 | 2.00 | 110.0 | 1.50 | 2.000 | 46.0 | 7.60 | 8.2 | | 0.200 |
| 80 10 14 1300 | | | .3 | 1 | 70.00 | 2.00 | 100.0 | 1.50 | 1.800 | 42.0 | 7.40 | 7.6 | 1.000< | 0.100 |
| MAXIMUM | | | | | 90.00 | 2.00 | 110.0 | 1.70 | 2.000 | 47.0 | 7.90 | 8.2 | 2.600 | 0.200 |
| ARITH MEAN | | | | | 71.67 | 1.83 | 104.0 | 1.16 | 1.817 | 44.5 | 7.52 | 7.6 | 1.800L | 0.106 |
| GEOM MEAN | | | | | 70.87 | 1.78 | 103.9 | 1.04 | 1.809 | 44.5 | 7.51 | 7.6 | 1.612L | 0.087 |
| MINIMUM | | | | | 55.00 | 1.00 | 100.0 | 0.40 | 1.600 | 42.0 | 7.40 | 6.8 | 1.000< | 0.031 |
| STD DEV | | | | | 11.69 | 0.41 | 3.8 | 0.50 | 0.183 | 1.9 | 0.20 | 0.5 | 1.131L | 0.070 |
| NO OF SAMPLES | | | | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 2 | 4 |

| TEST-NAME: | | | | | HARDT | COLAP | ASUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | HARDNESS TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI |
| 80 05 06 1200 | | | .3 | 1 | 44.000 | 5.000 | 0.003 | 0.001 | 0.001 | 0.004 | 0.001< | 0.001 | 0.003 | 0.001< |
| 80 06 16 | | | .3 | 1 | 46.000 | 3.000 | | | | | | | | |
| 80 07 14 1055 | | | .3 | 1 | 48.000 | 5.000< | | | | | | | | |
| 80 08 26 1420 | | | .3 | 1 | 50.000 | 14.000 | 0.001< | 0.001< | 0.003 | 0.004 | 0.001 | 0.001< | 0.010 | 0.001< |
| 80 09 22 1030 | | | .3 | 1 | 50.000 | 14.000 | | | | | | | 0.013 | |
| 80 10 14 1300 | | | .3 | 1 | 44.000 | 8.000 | 0.001< | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.003 | 0.005 |
| MAXIMUM | | | | | 50.000 | 14.000 | 0.003 | 0.001 | 0.003 | 0.004 | 0.001 | 0.002 | 0.013 | 0.005 |
| ARITH MEAN | | | | | 47.000 | 8.167L | 0.002L | 0.001L | 0.002 | 0.003 | 0.001L | 0.001L | 0.007 | 0.002L |
| GEOM MEAN | | | | | 46.933 | 7.000L | 0.001L | 0.001L | 0.001 | 0.003 | 0.001L | 0.001L | 0.006 | 0.002L |
| MINIMUM | | | | | 44.000 | 3.000< | 0.001< | 0.001< | 0.001 | 0.001 | 0.001< | 0.001< | 0.003 | 0.001< |
| STD DEV | | | | | 2.757 | 4.792L | 0.001L | 0.000L | 0.001 | 0.002 | 0.000L | 0.001L | 0.005 | 0.002L |
| NO OF SAMPLES | | | | | 6 | 6 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 |

| TEST-NAME: | | | | | COUT | CCNAUR |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 05 06 1200 | | | .3 | 1 | 0.001< | 0.010< |
| 80 08 26 1420 | | | .3 | 1 | 0.001< | 0.01 < |
| 80 10 14 1300 | | | .3 | 1 | 0.001< | 0.010< |
| MAXIMUM | | | | | 0.001 | 0.010 |
| ARITH MEAN | | | | | 0.001L | 0.01 L |
| GEOM MEAN | | | | | 0.001L | 0.01 L |
| MINIMUM | | | | | 0.001< | 0.010< |
| STD DEV | | | | | 0.000L | 0.00 L |
| NO OF SAMPLES | | | | | 3 | 3 |

B.O.W./ SITE: **LAKE SUPERIOR**
SAMPLE POINT: **AT ABITIBI THUNDER BAY PAPER MILL DITCH**
STATION TYPE: **LAKE**
MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
STATION ID: **01-0000-006-01**
STORET CODE: **02 001**
LAT: LONG: U T M: **16 0340100.0 5370100.0 4** REGION: **06**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P |
| 80 06 16 | | | .3 | 1 | 10089 | | 68C | 1200 | 4< | 10.0 | 11.2 | 5.5 | 0.110 | 0.001< |
| 80 07 14 1100 | | | .3 | 1 | 10113 | | 100I | 3500 | 12 | 16.2 | 10.1 | 0.4 | 0.017 | 0.001< |
| 80 08 06 1200 | | | .3 | 1 | 10065 | | 24 | 36 | 4< | 5.0 | 11.0 | 0.6 | 0.004 | 0.001< |
| 80 08 26 1428 | | | .3 | 1 | 10134 | 0 | 600I | 10000 | 20 | 18.0 | 7.4 | 5.5 | 0.006 | 0.001 |
| 80 09 22 1100 | | | .3 | 1 | 10161 | | 220C | 3900 | 16 | 11.2 | 12.0 | 2.6 | 0.008 | 0.001< |
| 80 10 14 1315 | | | .3 | 1 | 10188 | | 10< | 570 | 4< | 8.0 | 11.2 | 0.4 | 0.007 | 0.001< |
| MAXIMUM | | | | | | | 600 | 10000 | 20 | 18.0 | 12.0 | 5.5 | 0.110 | 0.001 |
| ARITH MEAN | | | | | | | 170L | 3201 | 10L | 11.4 | 10.5 | 2.5 | 0.025 | 0.001L |
| GEOM MEAN | | | | | | | 77L | 1224 | 8L | 10.5 | 10.4 | 1.4 | 0.012 | 0.001L |
| MINIMUM | | | | | | | 10< | 36 | 4< | 5.0 | 7.4 | 0.4 | 0.004 | 0.001< |
| STD DEV | | | | | | | 223L | 3661 | 7L | 4.9 | 1.6 | 2.5 | 0.042 | 0.000L |
| NO OF SAMPLES | | | | | | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

| TEST-NAME: | | | | | RST | RSP | COND25 | TURB | CLIDUR | ALKT | PH | FWPH | PHNOL | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'TY FTU | CHLORIDE UNF.REAC MG/L AS CL. | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE |
| 80 06 16 | | | 3 | 1 | 90.00 | 2.00 | 111.0 | 2.30 | 1.900 | 42.0 | 7.40 | 7.7 | 1.000< | |
| 80 07 14 1100 | | | 3 | 1 | 85.00 | 35.00 | 103.0 | 0.70 | 1.900 | 44.0 | 7.80 | 6.8 | | |
| 80 08 06 1200 | | | 3 | 1 | 60.00 | 2.00 | 102.0 | 0.40 | 1.500 | 45.0 | 7.40 | | | 0.041 |
| 80 08 26 1428 | | | 3 | 1 | 95.00 | 3.00 | 112.0 | 2.20 | 2.200 | 42.0 | 7.20 | 7.6 | | 0.14 |
| 80 09 22 1100 | | | 3 | 1 | 55.00 | 3.00 | 105.0 | 2.00 | 2.100 | 43.0 | 7.60 | 8.3 | | 0.200 |
| 80 10 14 1315 | | | 3 | 1 | 60.00 | 1.00 | 100.0 | 0.55 | 1.700 | 42.0 | 7.50 | 7.5 | 1.000< | 0.150 |
| MAXIMUM | | | | | 95.00 | 35.00 | 112.0 | 2.30 | 2.200 | 45.0 | 7.80 | 8.3 | 1.000 | 0.200 |
| ARITH MEAN | | | | | 74.17 | 7.67 | 105.5 | 1.36 | 1.883 | 43.0 | 7.48 | 7.6 | 1.000L | 0.13 |
| GEOM MEAN | | | | | 72.39 | 3.29 | 105.4 | 1.08 | 1.868 | 43.0 | 7.48 | 7.6 | 1.000L | 0.11 |
| MINIMUM | | | | | 55.00 | 1.00 | 100.0 | 0.40 | 1.500 | 42.0 | 7.20 | 6.8 | 1.000< | 0.041 |
| STD DEV | | | | | 17.72 | 13.41 | 4.9 | 0.90 | 0.256 | 1.3 | 0.20 | 0.5 | 0.000L | 0.06 |
| NO OF SAMPLES | | | | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 2 | 4 |

(CONTD)

| TEST-NAME: | | | | | HARDT | COLAP | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | HARDNESS TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 06 16 | | | .3 | 1 | 46.000 | 7.000 | | | | | | | | |
| 80 07 14 1100 | | | .3 | 1 | 48.000 | 5.000< | | | | | | | | |
| 80 08 06 1200 | | | .3 | 1 | 42.000 | 5.000< | 0.002 | 0.002 | 0.007 | 0.001< | 0.003 | 0.003 | 0.001< | 0.001< |
| 80 08 26 1428 | | | .3 | 1 | 46.000 | 19.000 | 0.001 | 0.001 | 0.005 | 0.001 | 0.001< | 0.016 | 0.001< | 0.001< |
| 80 09 22 1100 | | | .3 | 1 | 46.000 | 20.000 | | | | | | 0.010 | | |
| 80 10 14 1315 | | | .3 | 1 | 44.000 | 10.000 | 0.001< | 0.003 | 0.001< | 0.001< | 0.002 | 0.003 | 0.003 | 0.001< |
| MAXIMUM | | | | | 48.000 | 20.000 | 0.002 | 0.003 | 0.007 | 0.001 | 0.003 | 0.016 | 0.003 | 0.001 |
| ARITH MEAN | | | | | 45.333 | 11.000L | 0.001L | 0.002 | 0.004L | 0.001L | 0.002L | 0.008 | 0.002L | 0.001L |
| GEOM MEAN | | | | | 45.284 | 9.343L | 0.001L | 0.002 | 0.003L | 0.001L | 0.002L | 0.006 | 0.001L | 0.001L |
| MINIMUM | | | | | 42.000 | 5.000< | 0.001< | 0.001 | 0.001< | 0.001< | 0.001< | 0.003 | 0.001< | 0.001< |
| STD DEV | | | | | 2.086 | 6.841L | 0.001L | 0.001 | 0.003L | 0.000L | 0.001L | 0.006 | 0.001L | 0.000L |
| NO OF SAMPLES | | | | | 6 | 6 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 |

| TEST-NAME: | | | | | CCNAUR |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 10 14 1315 | | | .3 | 1 | 0.010< |
| MAXIMUM | | | | | 0.010 |
| ARITH MEAN | | | | | 0.010L |
| GEOM MEAN | | | | | |
| MINIMUM | | | | | 0.010< |
| STD DEV | | | | | |
| NO OF SAMPLES | | | | | 1 |

B.O.W./ SITE: **LAKE SUPERIOR**
SAMPLE POINT: **3.5 MLE.OF WELCOME ISL.LIGHTHOUSE**
STATION TYPE: **LAKE**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**

STATION ID: **01-0000-007-01**
STORET CODE: **02**
**001**

LAT:
LONG:
U T M: **16 0345600.0 5362250.0 4**
REGION: **06**

| TEST-NAME: | | | | | SAMPLE | TCMF | TCMFBK | FCMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | RESIDUE TOTAL MG/L |
| 80 05 06 0930 | | | .3 | 1 | 10066 | 4< | 4< | 4< | 5.0 | 13.0 | 0.2 | 0.001< | 0.001 | 60.0 |
| 80 06 16 | | | .3 | 1 | 10090 | 4< | 4 | 4< | 10.0 | 12.0 | 0.2 | 0.003 | 0.001< | 65.00 |
| 80 07 14 1040 | | | .3 | 1 | 10114 | 4< | 4 | 4< | 13.7 | 12.5 | 0.4 | 0.001< | 0.001< | 55.00 |
| 80 08 26 1400 | | | .3 | 1 | 10132 | 4< | 4< | 4< | 16.5 | 8.9 | 0.2 | 0.001< | 0.001< | 80.00 |
| 80 09 22 0930 | | | .3 | 1 | 10156 | 4 | 268 | 4< | 10.5 | 10.9 | 1.0 | 0.005 | 0.003 | 75.00 |
| MAXIMUM | | | | | | 4 | 268 | 4 | 16.5 | 13.0 | 1.0 | 0.005 | 0.003 | 80.00 |
| ARITH MEAN | | | | | | 4L | 57L | 4L | 11.1 | 11.5 | 0.4 | 0.002L | 0.001L | 67.0 |
| GEOM MEAN | | | | | | 4L | 9L | 4L | 10.3 | 11.4 | 0.3 | 0.002L | 0.001L | 66.3 |
| MINIMUM | | | | | | 4< | 4< | 4< | 5.0 | 8.9 | 0.2 | 0.001< | 0.001< | 55.00 |
| STD DEV | | | | | | 0L | 118L | 0L | 4.3 | 1.6 | 0.3 | 0.002L | 0.001L | 10.3 |
| NO OF SAMPLES | | | | | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

| TEST-NAME: | | | | | RSP | COND25 | TURB | CLIDUR | SSO4UR | ALKT | PH | FWPH | PHNOL | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE |
| 80 05 06 0930 | | | .3 | 1 | 1.0 | 102.0 | 0.40 | 1.6 | 2.2 | 44 | 7.80 | 7.75 | | 0.036 |
| 80 06 16 | | | .3 | 1 | 1.00 | 101.0 | 0.65 | 1.600 | | 42.0 | 7.30 | 7.9 | 1.000< | 0.050< |
| 80 07 14 1040 | | | .3 | 1 | 10.00 | 102.0 | 0.70 | 1.900 | | 45.0 | 8.00 | 7.8 | | 0.021 |
| 80 08 26 1400 | | | .3 | 1 | 1.00 | 100.0 | 0.45 | 1.600 | 4.000 | 45 | 8.00 | 7.9 | | 0.015 |
| 80 09 22 0930 | | | .3 | 1 | 1.00 | 100.0 | 0.50 | 1.700 | 3.500 | 44.0 | 6.90 | 8.2 | | 0.100 |
| MAXIMUM | | | | | 10.00 | 102.0 | 0.70 | 1.900 | 4.000 | 45.0 | 8.00 | 8.2 | 1.000 | 0.100 |
| ARITH MEAN | | | | | 2.8 | 101.0 | 0.54 | 1.6 | 3.2 | 44 | 7.60 | 7.9 | 1.000L | 0.044L |
| GEOM MEAN | | | | | 1.5 | 101.0 | 0.53 | 1.6 | 3.1 | 44 | 7.59 | 7.9 | | 0.036L |
| MINIMUM | | | | | 1.0 | 100.0 | 0.40 | 1.6 | 2.2 | 42.0 | 6.90 | 7.75 | 1.000< | 0.015< |
| STD DEV | | | | | 4.0 | 1.0 | 0.13 | 0.1 | 0.9 | 1 | 0.48 | 0.1 | | 0.034L |
| NO OF SAMPLES | | | | | 5 | 5 | 5 | 5 | 3 | 5 | 5 | 5 | 1 | 5 |

| TEST-NAME: | | | | | HARDT | COLAP | ASUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | HARDNESS TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI |
| 80 05 06 0930 | | | .3 | 1 | 42.0 | 5.000< | 0.001 | 0.001 | 0.004 | 0.005 | 0.001< | 0.002 | 0.002 | 0.001 |
| 80 06 16 | | | .3 | 1 | 42.000 | 1.000 | | | | | | | 0.002 | |
| 80 07 14 1040 | | | .3 | 1 | 50.000 | 5.000< | | 0.003 | 0.002 | 0.003 | 0.001< | 0.002 | 0.001 | 0.001< |
| 80 08 26 1400 | | | .3 | 1 | 48.000 | 11.000 | 0.001< | 0.001 | 0.001< | 0.001< | 0.001 | 0.001< | 0.001 | 0.001< |
| 80 09 22 0930 | | | .3 | 1 | 50.000 | 8.000 | | 0.001< | 0.003 | | | 0.003 | 0.004< | |
| MAXIMUM | | | | | 50.000 | 11.000 | 0.001 | 0.003 | 0.004 | 0.005 | 0.001 | 0.003 | 0.004 | 0.001 |
| ARITH MEAN | | | | | 46.4 | 6.000L | 0.001L | 0.001L | 0.002L | 0.003L | 0.001L | 0.002L | 0.002L | 0.001L |
| GEOM MEAN | | | | | 46.2 | 4.861L | 0.001L | 0.001L | 0.002L | 0.002L | 0.001L | 0.002L | 0.002L | 0.001L |
| MINIMUM | | | | | 42.0 | 1.000< | 0.001< | 0.001< | 0.001< | 0.001< | 0.001< | 0.001< | 0.001< | 0.001< |
| STD DEV | | | | | 4.0 | 3.742L | 0.000L | 0.001L | 0.001L | 0.002L | 0.000L | 0.001L | 0.001L | 0.000L |
| NO OF SAMPLES | | | | | 5 | 5 | 2 | 4 | 4 | 3 | 3 | 4 | 5 | 3 |

(CONTD)

B.O.W./ SITE: **LAKE SUPERIOR**
SAMPLE POINT: **3.5 MILE.OF WELCOME ISL.LIGHTHOUSE**
STATION TYPE: **LAKE**
MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
STATION ID: **01-0000-007-01**
STORET CODE: **02 001**
LAT:
LONG:
U T M: **16 0345600.0 5362250.0 4**
REGION: **06**

| TEST-NAME: | | | | COUT |
|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | COBALT UNF.TOT. MG/L AS CO |
| 80 05 06 0930 | | .3 | 1 | 0.001< |
| 80 07 14 1040 | | .3 | 1 | 0.001< |
| 80 08 26 1400 | | .3 | 1 | 0.001< |
| MAXIMUM | | | | 0.001 |
| ARITH MEAN | | | | 0.001L |
| GEOM MEAN | | | | 0.001L |
| MINIMUM | | | | 0.001< |
| STD DEV | | | | 0.000L |
| NO OF SAMPLES | | | | 3 |

B.O.W./ SITE: **LAKE SUPERIOR**
SAMPLE POINT: **2.5 KILOMETERS EAST OF MCKELLAR ISLAND**
STATION TYPE: **LAKE**
MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
STATION ID: **01-0000-010-01**
STORET CODE: **02 001**
LAT:
LONG:
U T M: **16 0339800.0 5359800.0 4**
REGION: **06**

| TEST-NAME: | | | | SAMPLE | TCMF | TCMFBK | FCMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | RESIDUE TOTAL MG/L |
| 80 05 06 1030 | | .3 | 1 | 10067 | 4< | 4< | 4< | 5.0 | 13.6 | 0.2 | 0.001< | 0.001< | 60.0 |
| 80 06 16 | | .3 | 1 | 10091 | 16 | 92 | 4< | 11.0 | 14.0 | 0.2 | 0.009 | 0.001< | 65.00 |
| 80 08 26 1300 | | .3 | 1 | 10139 | 10< | 10< | 10< | 16.5 | 8.3 | 0.6 | 0.001< | 0.001< | 50.00 |
| MAXIMUM | | | | | 16 | 92 | 10 | 16.5 | 14.0 | 0.6 | 0.009 | 0.001 | 65.00 |
| ARITH MEAN | | | | | 10L | 35L | 6L | 10.8 | 12.0 | 0.3 | 0.004L | 0.001L | 58.3 |
| GEOM MEAN | | | | | 9L | 15L | 6L | 9.7 | 11.6 | 0.3 | 0.002L | 0.001L | 57.9 |
| MINIMUM | | | | | 4< | 4< | 4< | 5.0 | 8.3 | 0.2 | 0.001< | 0.001< | 50.00 |
| STD DEV | | | | | 6L | 49L | 3L | 6.8 | 3.2 | 0.2 | 0.005L | 0.000L | 7.6 |
| NO OF SAMPLES | | | | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| TEST-NAME: | | | | RSP | COND25 | TURB | CLIDUR | SSO4UR | ALKT | PH | FWPH | PHNOL | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE |
| 80 05 06 1030 | | .3 | 1 | 1.0 | 102 | 0.40 | 8.100 | 2.3 | 44 | 7.70 | 7.5 | | 0.028 |
| 80 06 16 | | .3 | 1 | 1.00 | 107.0 | 2.30 | 2.900 | | 43.0 | 7.40 | 8.1 | 1.000< | |
| 80 08 26 1300 | | .3 | 1 | 1.00 | 100.0 | 0.40 | 1.600 | 4.100 | 43.0 | 7.80 | 7.7 | | 0.014 |
| MAXIMUM | | | | 1.0 | 107.0 | 2.30 | 8.100 | 4.100 | 44 | 7.80 | 8.1 | 1.000 | 0.028 |
| ARITH MEAN | | | | 1.0 | 103 | 1.03 | 4.200 | 3.2 | 43 | 7.63 | 7.8 | 1.000L | 0.021 |
| GEOM MEAN | | | | 1.0 | 103 | 0.72 | 3.350 | 3.0 | 43 | 7.63 | 7.8 | | 0.020 |
| MINIMUM | | | | 1.0 | 100.0 | 0.40 | 1.600 | 2.3 | 43.0 | 7.40 | 7.5 | 1.000< | 0.014 |
| STD DEV | | | | 0.0 | 3 | 1.10 | 3.439 | 1.2 | 0 | 0.21 | 0.3 | | 0.010 |
| NO OF SAMPLES | | | | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 1 | 2 |

| TEST-NAME: | | | | HARDT | COLAP | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | HARDNESS TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 05 06 1030 | | 3 | 1 | 44.0 | 5 < | 0.002 | 0.003 | 0.001< | 0.001< | 0.001 | 0.002 | 0.001 | 0.001 |
| 80 06 16 | | .3 | 1 | 44.000 | 9.000 | | | | | | 0.004 | | |
| 80 08 26 1300 | | .3 | 1 | 46.000 | 8.000 | 0.001 | 0.003 | 0.003 | 0.001 | 0.001< | 0.001 | 0.001< | 0.001< |
| MAXIMUM | | | | 46.000 | 9.000 | 0.002 | 0.003 | 0.003 | 0.001 | 0.001 | 0.004 | 0.001 | 0.001 |
| ARITH MEAN | | | | 44.6 | 7 L | 0.001 | 0.003 | 0.002L | 0.001L | 0.001L | 0.002 | 0.001L | 0.001L |
| GEOM MEAN | | | | 44.6 | 7 L | 0.001 | 0.003 | 0.002L | 0.001L | 0.001L | 0.002 | 0.001L | 0.001L |
| MINIMUM | | | | 44.0 | 5 < | 0.001 | 0.003 | 0.001< | 0.001< | 0.001< | 0.001 | 0.001< | 0.001< |
| STD DEV | | | | 1.1 | 2 L | 0.001 | 0.000 | 0.001L | 0.000L | 0.000L | 0.002 | 0.000L | 0.000L |
| NO OF SAMPLES | | | | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 |

B.O.W./ SITE: **LAKE SUPERIOR**
SAMPLE POINT: **2 KM EAST OF NORTHERN WOOD PRESERVES**
STATION TYPE: **LAKE**
MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
STATION ID: **01-0000-011-01**
STORET CODE: **02 001**
LAT:
LONG:
U T M: **16 0339850.0 5365200.0 4**
REGION: **06**

| TEST-NAME: | | | | SAMPLE | TCMF | TCMFBK | FCMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | RESIDUE TOTAL MG/L |
| 80 05 12 1005 | | 3 | 1 | 10068 | 4< | 4< | 4< | 4.0 | 13.2 | 0.4 | 0.001< | 0.001< | 55.00 |
| 80 06 16 1050 | | 3 | 1 | 10092 | 4 | 16 | 4< | 11.0 | 14.0 | 0.2 | 0.005 | 0.001< | 60.00 |
| 80 08 26 1545 | | 3 | 1 | 10137 | 44 | 40 | 4< | 16.0 | 9.1 | 0.2 | 0.001< | 0.001< | 70.00 |
| 80 09 22 1230 | | 3 | 1 | 10158 | 12 | 1000 | 4< | 10.8 | 12.0 | 1.0 | 0.001 | 0.001< | 90.00 |
| MAXIMUM | | | | | 44 | 1000 | 4 | 16.0 | 14.0 | 1.0 | 0.005 | 0.001 | 90.00 |
| ARITH MEAN | | | | | 16L | 265L | 4L | 10.4 | 12.1 | 0.4 | 0.002L | 0.001L | 68.75 |
| GEOM MEAN | | | | | 10L | 40L | 4L | 9.3 | 11.9 | 0.4 | 0.001L | 0.001L | 67.52 |
| MINIMUM | | | | | 4< | 4< | 4< | 4.0 | 9.1 | 0.2 | 0.001< | 0.001< | 55.00 |
| STD DEV | | | | | 19L | 490L | 0L | 4.9 | 2.1 | 0.4 | 0.002L | 0.000L | 15.48 |
| NO OF SAMPLES | | | | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

(CONTD)

| | | TEST-NAME: | | RSP | COND25 | TURB | CLIDUR | SSO4UR | ALKT | PH | FWPH | PHNOL | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE |
| 80 05 12 1005 | | .3 | 1 | 5.00 | 110.0 | 1.30 | 1.6 | 2.7 | 44 | 7.60 | 7.45 | | 0.024 |
| 80 06 16 1050 | | .3 | 1 | 1.00 | 102.0 | 0.70 | 1.900 | | 42.0 | 7.60 | 8.0 | 1.000< | |
| 80 08 26 1545 | | .3 | 1 | 1.00 | 102.0 | 0.50 | 1.800 | 4.100 | 42.0 | 7.80 | 8.1 | | 0.023 |
| 80 09 22 1230 | | .3 | 1 | 5.00 | 102.0 | 0.65 | 1.700 | 3.500 | 45.0 | 7.50 | 8.0 | | 0.100 |
| | | MAXIMUM | | 5.00 | 110.0 | 1.30 | 1.900 | 4.100 | 45.0 | 7.80 | 8.1 | 1.000 | 0.100 |
| | | ARITH MEAN | | 3.00 | 104.0 | 0.79 | 1.7 | 3.4 | 43 | 7.62 | 7.8 | 1.000L | 0.049 |
| | | GEOM MEAN | | 2.24 | 103.9 | 0.74 | 1.7 | 3.3 | 43 | 7.62 | 7.8 | | 0.038 |
| | | MINIMUM | | 1.00 | 102.0 | 0.50 | 1.6 | 2.7 | 42.0 | 7.50 | 7.45 | 1.000< | 0.023 |
| | | STD DEV | | 2.31 | 4.0 | 0.35 | 0.1 | 0.7 | 1 | 0.13 | 0.3 | | 0.044 |
| | | NO OF SAMPLES | | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 1 | 3 |

| | | TEST-NAME: | | HARDT | COLAP | ASUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | HARDNESS TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI |
| 80 05 12 1005 | | .3 | 1 | 44.0 | 5.000< | | 0.001 | 0.005 | 0.003 | 0.001< | 0.002 | 0.001 | 0.001 |
| 80 06 16 1050 | | .3 | 1 | 46.000 | 4.000 | | | | | | | 0.002 | |
| 80 08 26 1545 | | .3 | 1 | 48.000 | 8.000 | | 0.001< | 0.001 | 0.003 | 0.001 | 0.001< | 0.002 | 0.001 |
| 80 09 22 1230 | | .3 | 1 | 52.000 | 7.000 | 0.001< | 0.001< | 0.002 | 0.006 | 0.001 | 0.004 | 0.004< | 0.002 |
| | | MAXIMUM | | 52.000 | 8.000 | 0.001 | 0.001 | 0.005 | 0.006 | 0.001 | 0.004 | 0.004 | 0.002 |
| | | ARITH MEAN | | 47.5 | 6.000L | 0.001L | 0.001L | 0.003 | 0.004 | 0.001L | 0.002L | 0.002L | 0.001 |
| | | GEOM MEAN | | 47.4 | 5.785L | | 0.001L | 0.002 | 0.004 | 0.001L | 0.002L | 0.002L | 0.001 |
| | | MINIMUM | | 44.0 | 4.000< | 0.001< | 0.001< | 0.001 | 0.003 | 0.001< | 0.001< | 0.001< | 0.001 |
| | | STD DEV | | 3.4 | 1.826L | | 0.000L | 0.002 | 0.002 | 0.000L | 0.002L | 0.001L | 0.001 |
| | | NO OF SAMPLES | | 4 | 4 | 1 | 3 | 3 | 3 | 3 | 3 | 4 | 3 |

| | | TEST-NAME: | | COUT |
|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | COBALT UNF.TOT. MG/L AS CO |
| 80 05 12 1005 | | .3 | 1 | 0.001< |
| 80 08 26 1545 | | .3 | 1 | 0.001 |
| 80 09 22 1230 | | .3 | 1 | 0.001 |
| | | MAXIMUM | | 0.001 |
| | | ARITH MEAN | | 0.001L |
| | | GEOM MEAN | | 0.001L |
| | | MINIMUM | | 0.001< |
| | | STD DEV | | 0.000L |
| | | NO OF SAMPLES | | 3 |

B.O.W./ SITE: **MONTREAL RIVER**
SAMPLE POINT: **HIGHWAY NO 17 06 MILES SOUTH OF WAWA**
STATION TYPE: **RIVER FLOW GAUGE FED 02BE002**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **MONTREAL RIVER**

STATION ID: **01-0009-001-02**
STORET CODE: **02**
**001**
**0410**

LAT.
LONG:
U T M: **16 0678200.0 5234175.0 4**
REGION: **05**
DISTANCE: **0.806**

| | | TEST-NAME: | | SAMPLE | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 06 22 1850 | | .3 | 1 | 14081 | 61.200 | 11.0 | 11.0 | 0.006 | 0.001< | 0.030 | 0.350 | 0.003 | 0.207 |
| 80 09 07 1035 | | .3 | 1 | 14107 | 19.500 | 15.0 | 10.0 | 0.004 | 0.002 | 0.026 | 0.310 | 0.003 | 0.182 |
| | | MAXIMUM | | | 61.200 | 15.0 | 11.0 | 0.006 | 0.002 | 0.030 | 0.350 | 0.003 | 0.207 |
| | | ARITH MEAN | | | 40.350 | 13.0 | 10.5 | 0.005 | 0.001L | 0.028 | 0.330 | 0.003 | 0.194 |
| | | GEOM MEAN | | | 34.546 | 12.8 | 10.5 | 0.005 | 0.001L | 0.028 | 0.329 | 0.003 | 0.194 |
| | | MINIMUM | | | 19.500 | 11.0 | 10.0 | 0.004 | 0.001< | 0.026 | 0.310 | 0.003 | 0.182 |
| | | STD DEV | | | 29.486 | 2.8 | 0.7 | 0.001 | 0.001L | 0.003 | 0.028 | 0.000 | 0.018 |
| | | NO OF SAMPLES | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| | | TEST-NAME: | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 06 22 1850 | | .3 | 1 | 0.240 | 0.320 | 0.560 | 37.0 | 1.0 | 36.000 | 55.0 | 0.85 | 0.400 | 7.30 |
| 80 09 07 1035 | | .3 | 1 | 0.211 | 0.284 | 0.495 | 37.0 | 0.9 | 36.000 | 55.0 | 4.40 | 0.350 | 7.02 |
| | | MAXIMUM | | 0.240 | 0.320 | 0.560 | 37.0 | 1.0 | 36.000 | 55.0 | 4.40 | 0.400 | 7.30 |
| | | ARITH MEAN | | 0.225 | 0.302 | 0.527 | 37.0 | 0.9 | 36.000 | 55.0 | 2.62 | 0.375 | 7.16 |
| | | GEOM MEAN | | 0.225 | 0.301 | 0.526 | 37.0 | 0.9 | 36.000 | 55.0 | 1.93 | 0.374 | 7.16 |
| | | MINIMUM | | 0.211 | 0.284 | 0.495 | 37.0 | 0.9 | 36.000 | 55.0 | 0.85 | 0.350 | 7.02 |
| | | STD DEV | | 0.021 | 0.025 | 0.046 | 0.0 | 0.1 | 0.000 | 0.0 | 2.51 | 0.035 | 0.20 |
| | | NO OF SAMPLES | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| | | TEST-NAME: | | ALUT | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 06 22 1850 | | .3 | 1 | 0.170 | 0.010< | 0.030< | 0.010< | 0.030 |
| 80 09 07 1035 | | .3 | 1 | 0.080 | 0.001< | 0.003< | 0.001 | 0.002< |
| | | MAXIMUM | | 0.170 | 0.010 | 0.030 | 0.010 | 0.030 |
| | | ARITH MEAN | | 0.125 | 0.006L | 0.016L | 0.006L | 0.016L |
| | | GEOM MEAN | | 0.117 | 0.003L | 0.009L | 0.003L | 0.008L |
| | | MINIMUM | | 0.080 | 0.001< | 0.003< | 0.001< | 0.002< |
| | | STD DEV | | 0.064 | 0.006L | 0.019L | 0.006L | 0.020L |
| | | NO OF SAMPLES | | 2 | 2 | 2 | 2 | 2 |

B.O.W./ SITE: **AGAWA RIVER**
SAMPLE POINT: **AT HIGHWAY 17**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **AGAWA RIVER**

STATION ID: **01-0012-001-02**
STORET CODE: **02 001 0470**

LAT: LONG: U T M: **16 0678450.0 5247525.0 4** REGION: **05** DISTANCE: **0.966**

| TEST-NAME: | | | | | SAMPLE | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L |
| 80 06 22 1920 | | | .3 | 1 | 14082 | 17.0 | 10.0 | 0.004 | 0.001< | 0.018 | 0.300 | 0.002 | 0.143 | 0.163 |
| 80 09 07 1115 | | | .3 | 1 | 14108 | 15.0 | 11.0 | 0.002 | 0.002 | 0.022 | 0.200 | 0.003 | 0.122 | 0.147 |
| MAXIMUM | | | | | | 17.0 | 11.0 | 0.004 | 0.002 | 0.022 | 0.300 | 0.003 | 0.143 | 0.163 |
| ARITH MEAN | | | | | | 16.0 | 10.5 | 0.003 | 0.001L | 0.020 | 0.250 | 0.002 | 0.132 | 0.155 |
| GEOM MEAN | | | | | | 16.0 | 10.5 | 0.003 | 0.001L | 0.020 | 0.245 | 0.002 | 0.132 | 0.155 |
| MINIMUM | | | | | | 15.0 | 10.0 | 0.002 | 0.001< | 0.018 | 0.200 | 0.002 | 0.122 | 0.147 |
| STD DEV | | | | | | 1.4 | 0.7 | 0.001 | 0.001L | 0.003 | 0.071 | 0.001 | 0.015 | 0.011 |
| NO OF SAMPLES | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH | ALUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | ALUMINUM UNF.TOT. MG/L AS AL |
| 80 06 22 1920 | | | .3 | 1 | 0.282 | 0.445 | 25.0 | 1.0< | 25.000 | 39.0 | 1.10 | 0.450 | 7.28 | 0.130 |
| 80 09 07 1115 | | | .3 | 1 | 0.178 | 0.325 | 33.0 | 0.3 | 33.000 | 50.0 | 0.39 | 0.450 | 7.25 | 0.074 |
| MAXIMUM | | | | | 0.282 | 0.445 | 33.0 | 1.0 | 33.000 | 50.0 | 1.10 | 0.450 | 7.28 | 0.130 |
| ARITH MEAN | | | | | 0.230 | 0.385 | 29.0 | 0.6L | 29.000 | 44.5 | 0.74 | 0.450 | 7.26 | 0.102 |
| GEOM MEAN | | | | | 0.224 | 0.380 | 28.7 | 0.5L | 28.723 | 44.2 | 0.65 | 0.450 | 7.26 | 0.098 |
| MINIMUM | | | | | 0.178 | 0.325 | 25.0 | 0.3< | 25.000 | 39.0 | 0.39 | 0.450 | 7.25 | 0.074 |
| STD DEV | | | | | 0.074 | 0.085 | 5.7 | 0.5L | 5.657 | 7.8 | 0.50 | 0.000 | 0.02 | 0.040 |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 06 22 1920 | | | .3 | 1 | 0.010< | 0.030< | 0.010< | 0.020< |
| 80 09 07 1115 | | | .3 | 1 | 0.002 | 0.003< | 0.001< | 0.002< |
| MAXIMUM | | | | | 0.010 | 0.030 | 0.010 | 0.020 |
| ARITH MEAN | | | | | 0.006L | 0.016L | 0.005L | 0.011L |
| GEOM MEAN | | | | | 0.004L | 0.009L | 0.003L | 0.006L |
| MINIMUM | | | | | 0.002< | 0.003< | 0.001< | 0.002< |
| STD DEV | | | | | 0.006L | 0.019L | 0.006L | 0.013L |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 |

B.O.W./ SITE: **MICHIPICOTEN RIVER**
SAMPLE POINT: **HIGHWAY 17 5 MILES SOUTH OF WAWA**
STATION TYPE: **RIVER FLOW GAUGE FED 02BD002**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **MICHIPICOTEN RIVER**

STATION ID: **01-0029-001-02**
STORET CODE: **02 001 0900**

LAT: LONG: U T M: **16 0664000.0 5309800.0 4** REGION: **05** DISTANCE: **6.115**

| TEST-NAME: | | | | | SAMPLE | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | RSP | RSF | COND25 | ALKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | ALK TOTAL MG/L AS CACO3 |
| 80 04 29 1439 | | | .3 | 1 | 11730 | 86.000 | | | 0.007 | 0.004 | 2.00 | 39.000 | | 15.0 |
| 80 05 06 1720 | | | .3 | 1 | 14040 | 68.100 | 3.0 | 11.0 | 0.004 | 0.001 | 1.00 | 32.000 | 49.0 | 15.0 |
| 80 05 21 1840 | | | .3 | 1 | 14041 | 54.200 | 13.0 | 11.0 | 0.009 | 0.001< | 1.00 | 39.000 | 60.0 | 19.0 |
| 80 06 30 1130 | | | .3 | 1 | 14042 | 51.000 | 16.0 | 12.0 | 0.007 | 0.006 | 1.00 | 46.000 | 70.0 | 23.0 |
| 80 07 16 1100 | | | .3 | 1 | 14043 | 53.300 | 16.0 | 11.0 | 0.006 | 0.002 | 1.00 | 46.000 | 70.0 | 24.0 |
| 80 08 11 0930 | | | .3 | 1 | 14044 | 74.400 | 17.0 | 11.0 | 0.004 | 0.001 | 1.00 | 49.000 | 75.0 | 26.0 |
| 80 09 09 0930 | | | .3 | 1 | 14045 | 60.900 | 17.0 | 11.0 | 0.008 | 0.003 | 3.00 | 51.000 | 78.0 | 28.0 |
| 80 10 20 0815 | | | .3 | 1 | 14046 | 81.300 | 7.0 | 11.0 | 0.012 | 0.001 | 6.00 | 73.000 | 112.0 | 36.0 |
| 80 11 24 0930 | | | .3 | 1 | 14047 | 70.700 | 1.0 | 11.0 | 0.005 | 0.001< | 1.00 | 49.000 | 75.0 | 26.0 |
| 80 12 17 0930 | | | .3 | 1 | 14048 | 78.500 | 0.0 | 10.0 | 0.056 | 0.028 | 16.00 | 243.00 | | 30.0 |
| MAXIMUM | | | | | | 86.000 | 17.0 | 12.0 | 0.056 | 0.028 | 16.00 | 243.00 | 112.0 | 36.0 |
| ARITH MEAN | | | | | | 67.840 | 10.0 | 11.0 | 0.012 | 0.005L | 3.30 | 66.70 | 73.6 | 24.2 |
| GEOM MEAN | | | | | | 66.781 | 6.5 | 11.0 | 0.008 | 0.002L | 1.89 | 54.32 | 71.8 | 23.4 |
| MINIMUM | | | | | | 51.000 | 0.0 | 10.0 | 0.004 | 0.001< | 1.00 | 32.000 | 49.0 | 15.0 |
| STD DEV | | | | | | 12.495 | 7.2 | 0.5 | 0.016 | 0.008L | 4.74 | 62.88 | 18.2 | 6.6 |
| NO OF SAMPLES | | | | | | 10 | 9 | 9 | 10 | 10 | 10 | 10 | 8 | 10 |

| TEST-NAME: | | | | | PH | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT | P1PCBT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | PCB TOTAL UG/L |
| 80 04 29 1439 | | | .3 | 1 | 7.24 | 0.003 | | 0.020 | 0.010< | 0.030< | 0.005 < | 0.010< | |
| 80 05 06 1720 | | | .3 | 1 | 7.12 | 0.002 | 0.020< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 05 21 1840 | | | .3 | 1 | 7.46 | 0.001< | 0.040< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | |
| 80 06 30 1130 | | | .3 | 1 | 7.61 | 0.001< | 0.030< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010 | |
| 80 07 16 1100 | | | .3 | 1 | 7.57 | 0.001< | 0.040< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | |
| 80 08 11 0930 | | | .3 | 1 | 7.44 | 0.001< | 0.050 | 0.002< | 0.002 | 0.001 | 0.0001< | 0.001 | |
| 80 09 09 0930 | | | .3 | 1 | 7.50 | 0.001< | 0.040< | 0.002< | 0.001< | 0.003< | 0.0002< | 0.001< | |
| 80 10 20 0815 | | | .3 | 1 | 7.91 | 0.001< | 0.040< | 0.002< | 0.001< | 0.003< | 0.0002< | 0.001< | |
| 80 11 24 0930 | | | .3 | 1 | 7.52 | 0.001< | 0.040< | 0.002< | 0.001< | 0.003< | 0.0002< | 0.001< | |
| 80 12 17 0930 | | | .3 | 1 | 7.51 | 0.001< | 0.040< | 0.005 | 0.007 | 0.019 | 0.0004 | 0.009 | |
| MAXIMUM | | | | | 7.91 | 0.003 | 0.050 | 0.020 | 0.010 | 0.030 | 0.005 | 0.010 | |
| ARITH MEAN | | | | | 7.49 | 0.001L | 0.038L | 0.011L | 0.006L | 0.018L | 0.002 L | 0.006L | |
| GEOM MEAN | | | | | 7.49 | 0.001L | 0.037L | 0.007L | 0.004L | 0.010L | 0.001 L | 0.004L | |
| MINIMUM | | | | | 7.12 | 0.001< | 0.020< | 0.002< | 0.001< | 0.001< | 0.0001< | 0.001< | |
| STD DEV | | | | | 0.21 | 0.001L | 0.008L | 0.009L | 0.004L | 0.014L | 0.002 L | 0.005L | |
| NO OF SAMPLES | | | | | 10 | 10 | 9 | 10 | 10 | 10 | 10 | 10 | |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **MAGPIE RIVER**
SAMPLE POINT: **HIGHWAY 17 1 MILE WEST OF WAWA**
STATION TYPE: **RIVER FLOW GAUGE FED 02BD003**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **MAGPIE RIVER**

STATION ID: **01-0029-002-02**
STORET CODE: **02**
**001**
**0020**

LAT: LONG: U T M: **16 0664500.0 5316325.0 4** REGION: **05** DISTANCE: **12.713**

| | | | | TEST-NAME: | SAMPLE | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 17 1215 | | | .3 | 1 | 14029 | 13.100 | 0.0 | | 0.012 | 0.003 | 0.028 | 0.42 | 0.003 | 0.277 |
| 80 04 29 1458 | | | .3 | 1 | 11731 | 113.000 | | | 0.020 | 0.003 | 0.037 | 0.320 | 0.004 | 0.206 |
| 80 05 06 1240 | | | .3 | 1 | 14053 | 118.000 | 1.0 | 11.0 | 0.011 | 0.001 | 0.025 | 0.290 | 0.003 | 0.147 |
| 80 05 21 1920 | | | .3 | 1 | 14054 | 45.000 | 14.0 | 10.0 | 0.012 | 0.001< | 0.006 | 0.340 | 0.003 | 0.102 |
| 80 06 30 1300 | | | .3 | 1 | 14055 | 13.900 | 17.0 | 11.0 | 0.010 | 0.005 | 0.034 | 0.240 | 0.002 | 0.098 |
| 80 07 16 1040 | | | .3 | 1 | 14056 | 13.000 | 17.0 | 11.0 | 0.021 | 0.001 | 0.026 | 0.320 | 0.004 | 0.141 |
| 80 08 11 0900 | | | .3 | 1 | 14057 | 5.550 | 18.0 | 10.0 | 0.003 | 0.001< | 0.050 | 0.220 | 0.006 | 0.179 |
| 80 09 09 1400 | | | .3 | 1 | 14058 | 6.310 | 18.0 | 11.0 | 0.022 | 0.007 | 0.042 | 0.250 | 0.005 | 0.155 |
| 80 10 20 0830 | | | .3 | 1 | 14059 | 48.000 | 5.0 | 11.0 | 0.008 | 0.001 | 0.016 | 0.250 | 0.002 | 0.118 |
| 80 11 24 0900 | | | .3 | 1 | 14060 | 26.300 | 0.0 | 12.0 | 0.007 | 0.001< | 0.032 | 0.950 | 0.002 | 0.108 |
| 80 12 17 0900 | | | .3 | 1 | 14061 | 16.700 | 0.0 | 11.0 | 0.028 | 0.002 | 0.060 | 0.400 | 0.002 | 0.128 |
| MAXIMUM | | | | | | **118.000** | **18.0** | **12.0** | **0.028** | **0.007** | **0.060** | **0.950** | **0.006** | **0.277** |
| ARITH MEAN | | | | | | **38.078** | **9.0** | **10.9** | **0.014** | **0.002L** | **0.032** | **0.36** | **0.003** | **0.151** |
| GEOM MEAN | | | | | | **23.201** | **4.8** | **10.9** | **0.012** | **0.002L** | **0.028** | **0.33** | **0.003** | **0.144** |
| MINIMUM | | | | | | **5.550** | **0.0** | **10.0** | **0.003** | **0.001<** | **0.006** | **0.220** | **0.002** | **0.098** |
| STD DEV | | | | | | **40.801** | **8.4** | **0.6** | **0.008** | **0.002L** | **0.016** | **0.20** | **0.001** | **0.063** |
| NO OF SAMPLES | | | | | | **11** | **10** | **9** | **11** | **11** | **11** | **11** | **11** | **11** |

| | | | | TEST-NAME: | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 |
| 80 02 17 1215 | | | .3 | 1 | 0.308 | 0.392 | 0.700 | 139 | 6 | 133 | 205 | 1.9 | 18.0 | |
| 80 04 29 1458 | | | .3 | 1 | 0.247 | 0.283 | 0.530 | 62.0 | 10.0 | 52.000 | 80.0 | 1.30 | 1.050 | 12.000 |
| 80 05 06 1240 | | | .3 | 1 | 0.175 | 0.265 | 0.440 | 57.0 | 5.0 | 52.000 | 80.0 | 1.70 | 0.800 | 12.000 |
| 80 05 21 1920 | | | .3 | 1 | 0.111 | 0.334 | 0.445 | 67.0 | 2.0 | 65.000 | 100.0 | 0.75 | 0.900 | |
| 80 06 30 1300 | | | .3 | 1 | 0.134 | 0.206 | 0.340 | 90.0 | 2.0 | 88.000 | 135.0 | 1.10 | 1.250 | |
| 80 07 16 1040 | | | .3 | 1 | 0.171 | 0.294 | 0.465 | 111.0 | 10.0 | 101.000 | 155.0 | 4.30 | 1.350 | 26.500 |
| 80 08 11 0900 | | | .3 | 1 | 0.235 | 0.170 | 0.405 | 134.0 | 1.0 | 133.000 | 205.0 | 0.65 | 1.600 | 38.500 |
| 80 09 09 1400 | | | .3 | 1 | 0.202 | 0.208 | 0.410 | 140.0 | 7.0 | 133.000 | 205.0 | 0.90 | 2.250 | 33.000 |
| 80 10 20 0830 | | | .3 | 1 | 0.136 | 0.234 | 0.370 | 48.0 | 1.0 | 47.000 | 72.0 | 6.50 | 0.550 | 10.000 |
| 80 11 24 0900 | | | .3 | 1 | 0.142 | 0.918 | 1.060 | 80.0 | 2.0 | 78.000 | 120.0 | 0.55 | 1.050 | 15.500 |
| 80 12 17 0900 | | | .3 | 1 | 0.190 | 0.340 | 0.530 | 105.0 | 17.0 | 88.000 | 135.0 | 2.60 | 1.250 | 17.000 |
| MAXIMUM | | | | | **0.308** | **0.918** | **1.060** | **140.0** | **17.0** | **133** | **205** | **6.50** | **18.0** | **38.500** |
| ARITH MEAN | | | | | **0.186** | **0.331** | **0.518** | **93** | **5** | **88** | **135** | **2.0** | **2.7** | **20.562** |
| GEOM MEAN | | | | | **0.179** | **0.298** | **0.491** | **88** | **3** | **82** | **126** | **1.4** | **1.4** | **18.336** |
| MINIMUM | | | | | **0.111** | **0.170** | **0.340** | **48.0** | **1.0** | **47.000** | **72.0** | **0.55** | **0.550** | **10.000** |
| STD DEV | | | | | **0.059** | **0.206** | **0.205** | **34** | **5** | **33** | **51** | **1.8** | **5.0** | **10.745** |
| NO OF SAMPLES | | | | | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **8** |

| | | | | TEST-NAME: | PH | ASUT | HGUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. MG/L UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 04 29 1458 | | | .3 | 1 | | 0.002 | | 0.220 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020 < |
| 80 05 06 1240 | | | .3 | 1 | 7.42 | | 0.100 | 0.130 | | 0.010< | 0.030< | | 0.010< | 0.110 |
| 80 05 21 1920 | | | .3 | 1 | 7.77 | 0.001< | 0.040< | 0.070 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020 < |
| 80 07 16 1040 | | | .3 | 1 | 7.51 | 0.001< | 0.040< | 0.100 | 0.030 | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020 < |
| 80 08 11 0900 | | | .3 | 1 | 7.97 | 0.001 | | 0.038 | 0.002< | 0.001< | 0.001< | 0.0001< | 0.001< | 0.002 < |
| 80 09 09 1400 | | | .3 | 1 | 7.92 | 0.004 | 0.040< | 0.190 | 0.002< | 0.001 | 0.003< | 0.0004 | 0.002 | 0.002 < |
| 80 10 20 0830 | | | .3 | 1 | 7.67 | 0.001< | 0.050 | 0.065 | 0.006 | 0.002< | 0.004 | 0.0002< | 0.001< | 0.002 < |
| 80 11 24 0900 | | | .3 | 1 | 7.68 | 0.001< | 0.040< | 0.072 | 0.001< | 0.007 | 0.003< | 0.0002< | 0.003< | 0.003 < |
| 80 12 17 0900 | | | .3 | 1 | 7.76 | 0.012 | 0.04 < | 0.20 | 0.002< | 0.012 | 0.012 | 0.002 | 0.026 | 0.0008 |
| MAXIMUM | | | | | **7.97** | **0.012** | **0.100** | **0.220** | **0.030** | **0.012** | **0.030** | **0.005** | **0.026** | **0.110** |
| ARITH MEAN | | | | | **7.71** | **0.003L** | **0.05 L** | **0.12** | **0.010L** | **0.007L** | **0.016L** | **0.002 L** | **0.008L** | **0.020 L** |
| GEOM MEAN | | | | | **7.71** | **0.002L** | **0.04 L** | **0.10** | **0.005L** | **0.005L** | **0.009L** | **0.000 L** | **0.005L** | **0.006 L** |
| MINIMUM | | | | | **7.42** | **0.001<** | **0.040<** | **0.038** | **0.001<** | **0.001<** | **0.001<** | **0.0001<** | **0.001<** | **0.0008<** |
| STD DEV | | | | | **0.19** | **0.004L** | **0.02 L** | **0.06** | **0.011L** | **0.004L** | **0.014L** | **0.002 L** | **0.008L** | **0.034 L** |
| NO OF SAMPLES | | | | | **8** | **8** | **7** | **9** | **8** | **9** | **9** | **8** | **9** | **9** |

| | | | | TEST-NAME: | P1PCBT |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PCB TOTAL UG/L |
| 80 05 06 1240 | | | .3 | 1 | 0.020R |
| MAXIMUM | | | | | |
| ARITH MEAN | | | | | |
| GEOM MEAN | | | | | |
| MINIMUM | | | | | |
| STD DEV | | | | | |
| NO OF SAMPLES | | | | | |

B.O.W./ SITE: **WHITE RIVER**
SAMPLE POINT: **AT HIGHWAY 17**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **WHITE RIVER**

STATION ID: **01-0057-001-02**
STORET CODE: **02**
**001**
**2190**

LAT: LONG: U.T.M.: **16 0600960.0 5390400.0 4** REGION: **06** DISTANCE: **77.246**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | RSP | RSF | COND25 | ALKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | ALK TOTAL MG/L AS CACO3 |
| 80 01 08 1200 | | .3 | 1 | 10507 | | 1.0 | 12.4 | 0.020 | 0.001< | 25.00 | 103.000 | | 64 |
| 80 01 29 1540 | | .3 | 1 | 10520 | 4 | 0.0 | 12.0 | 0.006 | 0.001< | 1.00 | 101.000 | 156.0 | 63 |
| 80 02 27 1545 | | .3 | 1 | 10534 | 4 | 0.0 | 11.4 | 0.001 | 0.001< | 1.00 | 99.000 | 152.0 | 69.0 |
| 80 03 17 1600 | | .3 | 1 | 10548 | 4 | 0.0 | 12.5 | 0.001< | 0.001 | 1.00 | 103.000 | 159.0 | 71.0 |
| 80 04 28 1550 | | .3 | 1 | 10562 | 3 | 5.0 | 12.4 | 0.005 | 0.001 | 2.00 | 59.000 | 91.0 | 37.0 |
| 80 05 05 1630 | | .3 | 1 | 10576 | 3 | 12.0 | 8.4 | 0.009 | 0.001 | 3.00 | 53.000 | | 35.0 |
| 80 05 26 1650 | | .3 | 1 | 10584 | | 18.0 | 9.1 | 0.140 | 0.110 | 2.00 | 77.000 | | 50.0 |
| 80 07 28 1615 | | .3 | 1 | 10614 | | 21.1 | 8.4 | 0.007 | 0.001< | 2.00 | 148.00 | 180.0 | 81.0 |
| 80 08 25 1800 | | .3 | 1 | 10629 | | 21.0 | 8.5 | 0.005 | 0.001< | 1.00 | 120.000 | 180.0 | 83.0 |
| 80 09 29 1800 | | .3 | 1 | 10644 | | 7.5 | 7.7 | 0.003 | 0.001< | 1.00 | 94.000 | 145.0 | 66.0 |
| 80 10 28 1100 | | .3 | 1 | 10659 | | 2.5 | 8.0 | 0.064 | 0.001 | 2.00 | 86.000 | 133.0 | 58.0 |
| 80 11 24 1600 | | .3 | 1 | 10674 | | 0.0 | 10.8 | 0.002 | 0.001< | 1.00 | 86.000 | 132.0 | 57.0 |
| MAXIMUM | | | | | | 21.1 | 12.5 | 0.140 | 0.110 | 25.00 | 148.00 | 180.0 | 83.0 |
| ARITH MEAN | | | | | | 7.3 | 10.1 | 0.022L | 0.010L | 3.50 | 94.08 | 147.6 | 61 |
| GEOM MEAN | | | | | | 3.8 | 10.0 | 0.007L | 0.001L | 1.81 | 90.83 | 146.0 | 59 |
| MINIMUM | | | | | | 0.0 | 7.7 | 0.001< | 0.001< | 1.00 | 53.000 | 91.0 | 35.0 |
| STD DEV | | | | | | 8.5 | 1.9 | 0.041L | 0.031L | 6.80 | 25.49 | 27.4 | 15 |
| NO OF SAMPLES | | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 9 | 12 |

| TEST-NAME: | | | | PH | FWPH | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 01 08 1200 | | .3 | 1 | 7.20 | | 0.001< | 0.050< | 0.001< | 0.005 | 0.013 | 0.001< | 0.005 |
| 80 01 29 1540 | | .3 | 1 | 7.20 | | 0.001< | 0.05 < | 0.001< | 0.001 | 0.001 | 0.001< | 0.007 |
| 80 02 27 1545 | | .3 | 1 | 7.10 | | 0.001< | | 0.001 | 0.002 | 0.005 | 0.001< | 0.006 |
| 80 03 17 1600 | | .3 | 1 | 7.10 | | 0.001 | 0.050< | 0.001 | 0.004 | 0.002 | 0.001< | 0.009 |
| 80 04 28 1550 | | .3 | 1 | 7.30 | 7.6 | 0.003 | 0.050< | 0.001< | 0.004 | 0.001 | 0.001 | 0.002 |
| 80 05 05 1630 | | .3 | 1 | 6.90 | 7.5 | 0.002 | 0.050< | 0.003 | 0.002 | 0.002 | 0.001< | 0.004 |
| 80 05 26 1650 | | .3 | 1 | 7.80 | | 0.001 | 0.050< | 0.002 | 0.001< | 0.001 | 0.001 | 0.002 |
| 80 07 28 1615 | | .3 | 1 | 8.00 | 8.0 | 0.001< | 0.050< | 0.002 | 0.001< | 0.001< | 0.001 | 0.003 |
| 80 08 25 1800 | | .3 | 1 | 7.90 | 8.0 | 0.001< | 0.05 < | 0.001< | 0.006 | 0.003 | 0.001 | 0.001< |
| 80 09 29 1800 | | .3 | 1 | 7.80 | 7.9 | 0.001< | 0.05 < | 0.001< | 0.003 | 0.002 | 0.001< | 0.001 |
| 80 10 28 1100 | | .3 | 1 | 7.80 | 7.6 | 0.001< | 0.050< | 0.002 | 0.001< | 0.004 | 0.001< | 0.002 |
| 80 11 24 1600 | | .3 | 1 | 7.60 | 8.1 | 0.001< | 0.050< | 0.002 | 0.003 | 0.004 | 0.001 | 0.002 |
| MAXIMUM | | | | 8.00 | 8.1 | 0.003 | 0.050 | 0.003 | 0.008 | 0.013 | 0.001 | 0.009 |
| ARITH MEAN | | | | 7.47 | 7.8 | 0.001L | 0.05 L | 0.001L | 0.003L | 0.003L | 0.001L | 0.004L |
| GEOM MEAN | | | | 7.47 | 7.8 | 0.001L | 0.05 L | 0.001L | 0.002L | 0.002L | 0.001L | 0.003L |
| MINIMUM | | | | 6.90 | 7.5 | 0.001< | 0.050< | 0.001< | 0.001< | 0.001< | 0.001< | 0.001< |
| STD DEV | | | | 0.38 | 0.2 | 0.001L | 0.00 L | 0.001L | 0.002L | 0.003L | 0.000L | 0.003L |
| NO OF SAMPLES | | | | 12 | 7 | 12 | 11 | 12 | 12 | 12 | 12 | 12 |

B.O.W./ SITE: **PIC RIVER**
SAMPLE POINT: **AT HIGHWAY 17**
STATION TYPE: **RIVER FLOW GAUGE FED 02BB003**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **PIC RIVER**

STATION ID: **01-0060-001-02**
STORET CODE: **02**
**001**
**2280**

LAT: LONG: U.T.M.: **16 0552700.0 5394925.0 4** REGION: **06** DISTANCE: **14.806**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 08 1225 | | .3 | 1 | 10505 | | 11.500 | 4< | 64 | 4< | 4< | 0.0 | 10.4 | 0.012 |
| 80 01 29 1430 | | .3 | 1 | 10518 | 4 | 9.750 | 176C | 2560 | 4< | 4< | 0.0 | 12.2 | 0.015 |
| 80 02 26 1445 | | .3 | 1 | 10532 | | 8.150 | 16 | 96 | 4< | 4< | 0.0 | 11.5 | 0.021 |
| 80 03 17 1450 | | .3 | 1 | 10546 | 4 | 7.300 | 8 | 116 | 4 | 4< | 0.0 | 12.3 | 0.009 |
| 80 04 27 1830 | | .3 | 1 | 36200 | | 298.000 | | | | | | | 0.320 |
| 80 04 28 1100 | | .3 | 1 | 36201 | | 353.000 | | | | | | | 0.260 |
| 1450 | | .3 | 1 | 10560 | 3 | 353.000 | 100< | 600I | 4< | 8 | 1.0 | 13.8 | 0.760 |
| 1915 | | .3 | 1 | 36202 | | 353.000 | | | | | | | 0.840 |
| 80 04 29 0930 | | .3 | 1 | 36203 | | 374.000 | | | | | | | 0.680 |
| 1430 | | .3 | 1 | 36204 | | 374.000 | | | | | | | 0.700 |
| 80 04 30 1100 | | .3 | 1 | 36205 | | 412.000 | | | | | | | 0.640 |
| 80 05 01 1100 | | .3 | 1 | 36206 | | 436.000 | | | | | | | 0.470 |
| 80 05 02 1045 | | .3 | 1 | 36207 | | 447.000 | | | | | | | 0.440 |
| 80 05 03 1045 | | .3 | 1 | 36208 | | 430.000 | | | | | | | 0.440 |
| 80 05 04 1100 | | .3 | 1 | 36209 | | 395.000 | | | | | | | 0.350 |
| 80 05 05 1030 | | .3 | 1 | 36210 | | 351.000 | | | | | | | 0.360 |
| 1430 | | .3 | 1 | 10574 | 3 | 351.000 | 80 | 680 | 4< | 4< | 7.5 | 11.6 | 0.390 |
| 80 05 06 1040 | | .3 | 1 | 36211 | | 303.000 | | | | | | | 0.300 |
| 80 05 07 1100 | | .3 | 1 | 36212 | | 254.000 | | | | | | | 0.070 |
| 80 05 09 1100 | | .3 | 1 | 36213 | | 190.000 | | | | | | | 0.040 |
| 80 05 11 1020 | | .3 | 1 | 36214 | | 171.000 | | | | | | | 0.220 |
| 80 05 13 1205 | | .3 | 1 | 36215 | | 182.000 | | | | | | | 0.160 |
| 80 05 15 1100 | | .3 | 1 | 36216 | | 159.000 | | | | | | | 0.070 |
| 80 05 17 1150 | | .3 | 1 | 36217 | | 127.000 | | | | | | | 0.030 |
| 80 05 20 1045 | | .3 | 1 | 36218 | | 92.700 | | | | | | | 0.010< |
| 80 05 25 1400 | | .3 | 1 | 36219 | | 63.200 | | | | | | | 0.030 |
| 80 05 26 1545 | | .3 | 1 | 10582 | 6 | 54.700 | 100 | 1410 | 4< | 4 | 16.0 | 8.6 | 0.015 |
| 80 05 31 1400 | | .3 | 1 | 36220 | | 68.300 | | | | | | | 0.060 |
| 80 06 08 1440 | | .3 | 1 | 36221 | | 63.700 | | | | | | | |
| 80 06 15 1100 | | .3 | 1 | 36222 | | 44.100 | | | | | | | 0.039 |
| 80 06 22 1220 | | .3 | 1 | 36223 | | 28.500 | | | | | | | 0.024 |
| 80 06 24 0940 | | .3 | 1 | 10597 | | 20.900 | 4 | 376 | 4< | 4< | 16.9 | 8.2 | 0.021 |
| 80 06 29 1540 | | .3 | 1 | 36224 | | 19.900 | | | | | | | 0.016 |

(CONTD)

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 07 06 1340 | | | .3 | 1 | 36225 | | 45.700 | | | | | | | 0.230 |
| 80 07 12 2000 | | | .3 | 1 | 36226 | | 34.700 | | | | | | | 0.025 |
| 80 07 19 1600 | | | .3 | 1 | 36227 | | 18.900 | | | | | | | 0.045 |
| 80 07 27 1000 | | | .3 | 1 | 36228 | | 17.900 | | | | | | | 0.014 |
| 80 07 28 1945 | | | .3 | 1 | 10612 | | 17.000 | 32C | 3600 | 4< | | 20.1 | 8.0 | 0.012 |
| 80 08 03 1300 | | | .3 | 1 | 36229 | | 14.400 | | | | | | | 0.024 |
| 80 08 10 1530 | | | .3 | 1 | 36230 | | 32.900 | | | | | | | 0.019 |
| 80 08 16 2000 | | | .3 | 1 | 36231 | | 28.200 | | | | | | | 0.020 |
| 80 08 25 1650 | | | .3 | 1 | 10627 | | 19.200 | 60C | 800I | 4 | 112 | 23.0 | 7.5 | 0.024 |
| 80 08 30 1635 | | | .3 | 1 | 36232 | | 15.900 | | | | | | | 0.012 |
| 80 09 06 1600 | | | .3 | 1 | 36233 | | 24.900 | | | | | | | 0.013 |
| 80 09 14 1530 | | | .3 | 1 | 36234 | | 19.800 | | | | | | | 0.015 |
| 80 09 21 1500 | | | .3 | 1 | 36235 | | 104.000 | | | | | | | 0.140 |
| 80 09 25 1530 | | | .3 | 1 | 36236 | | 91.100 | | | | | | | 0.072 |
| 80 09 28 1500 | | | .3 | 1 | 36237 | | 66.000 | | | | | | | 0.036 |
| 80 09 29 1555 | | | .3 | 1 | 10642 | | 60.200 | 112C | 2400 | 4 | 4 | 7.0 | 9.5 | 0.026 |
| 80 10 01 1435 | | | .3 | 1 | 36238 | | 65.600 | | | | | | | 0.037 |
| 80 10 08 1300 | | | .3 | 1 | 36239 | | 52.000 | | | | | | | 0.029 |
| 80 10 14 1530 | | | .3 | 1 | 36240 | | 36.800 | | | | | | | 0.021 |
| 80 10 22 1100 | | | .3 | 1 | 36241 | | 46.600 | | | | | | | 0.023 |
| 80 10 27 1650 | | | .3 | 1 | 10657 | | 97.400 | 108 | 304 | 4< | 12 | 2.5 | 12.0 | 0.064 |
| 80 10 28 1030 | | | .3 | 1 | 36242 | | 93.200 | | | | | | | 0.054 |
| 80 11 25 0845 | | | .3 | 1 | 10672 | 4 | 20.100 | 32 | 232 | 4< | 4< | 0.0 | 10.4 | 0.010 |
| MAXIMUM | | | | | | | 447.000 | 176 | 3600 | 4 | 112 | 23.0 | 13.8 | 0.840 |
| ARITH MEAN | | | | | | | 139.789 | 64L | 1018 | 4L | 14L | 7.2 | 10.5 | 0.160L |
| GEOM MEAN | | | | | | | 71.987 | 37L | 518 | 4L | 6L | 3.6 | 10.3 | 0.060L |
| MINIMUM | | | | | | | 7.300 | 4< | 64 | 4< | 4< | 0.0 | 7.5 | 0.009< |
| STD DEV | | | | | | | 146.702 | 53L | 1139 | 0L | 31L | 8.7 | 2.0 | 0.224L |
| NO OF SAMPLES | | | | | | | 56 | 13 | 13 | 13 | 12 | 13 | 13 | 56 |

| TEST-NAME: | | | | | PPO4FR | NNTKUR | NNO2FR | NNO3FR | NNKI | RSP | RSF | COND25 | CLIDUR | ALKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 |
| 80 01 08 1225 | | | .3 | 1 | 0.002 | 0.450 | 0.003 | 0.110 | 0.563 | 5.00 | 164.000 | | | 124 |
| 80 01 29 1430 | | | .3 | 1 | 0.002 | 0.910 | 0.004 | 0.140 | 1.054 | 6.00 | 154.000 | 237.0 | | 116 |
| 80 02 26 1445 | | | .3 | 1 | 0.002 | 0.590 | 0.003 | 0.160 | 0.753 | 4.00 | 172.000 | 265.0 | | 132.0 |
| 80 03 17 1450 | | | .3 | 1 | 0.002 | 0.600 | 0.003 | 0.170 | 0.773 | 5.00 | 175.000 | 269.0 | | 133.0 |
| 80 04 27 1830 | | | .3 | 1 | | | | | | 1010.0 | | | | |
| 80 04 28 1100 | | | .3 | 1 | | | | | | 710.0 | 39.000 | 134.0 | 5.400 | |
| 1450 | | | .3 | 1 | 0.038 | 0.600 | 0.018 | 0.160 | 0.778 | 1560.00 | 87.000 | 134.0 | | 258.0 |
| 1915 | | | .3 | 1 | 0.030 | | | 0.150 | | 1400.0 | | | | |
| 80 04 29 0930 | | | .3 | 1 | 0.049 | | | 0.140 | | 1460.0 | | 132.0 | | |
| 1430 | | | .3 | 1 | 0.048 | | | 0.140 | | 1200.0 | | 130.0 | | |
| 80 04 30 1100 | | | .3 | 1 | 0.031 | | | 0.120 | | 1180.0 | | | | |
| 80 05 01 1100 | | | .3 | 1 | 0.031 | | | 0.100 | | 1030.0 | | 126.0 | | |
| 80 05 02 1045 | | | .3 | 1 | | | | | | 930.0 | | 120.0 | | |
| 80 05 03 1045 | | | .3 | 1 | 0.051 | | | 0.070 | | 530.0 | | 123.0 | | |
| 80 05 04 1100 | | | .3 | 1 | 0.032 | | | 0.060 | | 730.0 | | 122.0 | | |
| 80 05 05 1030 | | | .3 | 1 | 0.031 | | | 0.050 | | 740.0 | | 122.0 | | |
| 1430 | | | .3 | 1 | 0.023 | 0.300 | 0.010 | 0.060 | 0.370 | 720.00 | 88.000 | | | 180.0 |
| 80 05 06 1040 | | | .3 | 1 | 0.027 | | | 0.050 | | 650.0 | | 122.0 | | |
| 80 05 07 1100 | | | .3 | 1 | | | | | | 580.0 | | 128.0 | | |
| 80 05 09 1100 | | | .3 | 1 | 0.026 | | | 0.050 | | 310.0 | | 134.0 | | |
| 80 05 11 1020 | | | .3 | 1 | | | | | | 570.0 | | 144.0 | | |
| 80 05 13 1205 | | | .3 | 1 | 0.022 | | | 0.060 | | 320.0 | | 142.0 | | |
| 80 05 15 1100 | | | .3 | 1 | | | | | | 210.0 | | 146.0 | | |
| 80 05 17 1150 | | | .3 | 1 | 0.018 | | | 0.020 | | 200.0 | | 150.0 | | |
| 80 05 20 1045 | | | .3 | 1 | | | | | | 130.0 | | 157.0 | | |
| 80 05 25 1400 | | | .3 | 1 | 0.010 | | | 0.010< | | 65.0 | | 177.0 | | |
| 80 05 26 1545 | | | .3 | 1 | 0.007 | 0.150 | 0.004 | 0.010< | 0.164 | 75.00 | 120.000 | | | 101.0 |
| 80 05 31 1400 | | | .3 | 1 | | | | | | 140.0 | | 200.0 | | |
| 80 06 08 1440 | | | .3 | 1 | 0.009 | | | 0.010< | | 65.0 | | 180.0 | | |
| 80 06 15 1100 | | | .3 | 1 | | | | | | 35.0 | | 195.0 | | |
| 80 06 22 1220 | | | .3 | 1 | | | | | | 2.0 | | 210.0 | | |
| 80 06 24 0940 | | | .3 | 1 | 0.001 | 0.380 | 0.003 | 0.010< | 0.393 | 15.00 | 146.000 | 225.0 | | 114.0 |
| 80 06 29 1540 | | | .3 | 1 | 0.001 | | | 0.010< | | 15.0 | | 250.0 | | |
| 80 07 06 1340 | | | .3 | 1 | | | | | | 270.0 | | 240.0 | | |
| 80 07 12 2000 | | | .3 | 1 | | | | | | 20.0 | | 210.0 | | |
| 80 07 19 1600 | | | .3 | 1 | | | | | | 40.0 | | 240.0 | | |
| 80 07 27 1000 | | | .3 | 1 | | | | | | 15.0 | | 250.0 | | |
| 80 07 28 1945 | | | .3 | 1 | 0.003 | 0.42 | 0.003 | 0.01 | 0.433 | 15 | 155 | 250 | | 124 |
| 80 08 03 1300 | | | .3 | 1 | | | | | | 7.0 | | 255.0 | | |
| 80 08 10 1530 | | | .3 | 1 | 0.006 | | | 0.010< | | 25.0 | | 195.0 | | |
| 80 08 16 2000 | | | .3 | 1 | | | | | | 15.0 | | 220.0 | | |
| 80 08 25 1650 | | | .3 | 1 | 0.001 | 0.360 | 0.004 | 0.060 | 0.424 | 20.00 | 150.000 | 230.0 | | 120.0 |
| 80 08 30 1635 | | | .3 | 1 | 0.002 | | | 0.010< | | 10.0 | | 240.0 | | |
| 80 09 06 1600 | | | .3 | 1 | | | | | | 20.0 | | 235.0 | | |
| 80 09 14 1530 | | | .3 | 1 | | | | | | 10.0 | | 235.0 | | |
| 80 09 21 1500 | | | .3 | 1 | 0.033 | | | 0.060 | | 80.0 | | 205.0 | | |
| 80 09 25 1530 | | | .3 | 1 | | | | | | 100.0 | | 170.0 | | |
| 80 09 28 1500 | | | .3 | 1 | | | | | | 40.0 | | 170.0 | | |
| 80 09 29 1555 | | | .3 | 1 | 0.003 | 0.410 | 0.004 | 0.020 | 0.434 | 35.00 | 114.000 | 175.0 | | 91.0 |
| 80 10 01 1435 | | | .3 | 1 | 0.007 | | | 0.010 | | 60.0 | | 180.0 | | |
| 80 10 08 1300 | | | .3 | 1 | | | | | | 20.0 | | 175.0 | | |
| 80 10 14 1530 | | | .3 | 1 | | | | | | 10.0 | | 195.0 | | |
| 80 10 22 1100 | | | .3 | 1 | 0.003 | | | 0.030 | | 20.0 | | 185.0 | | |
| 80 10 27 1650 | | | .3 | 1 | 0.008 | 0.460 | 0.007 | 0.090 | 0.557 | 110.00 | 117.000 | 180.0 | | 93.0 |
| 80 10 28 1030 | | | .3 | 1 | | | | | | 80.0 | | 170.0 | | |
| 80 11 25 0845 | | | .3 | 1 | 0.002 | 0.330 | 0.003 | 0.080 | 0.413 | 6.00 | 143.000 | 220.0 | | 107.0 |
| MAXIMUM | | | | | 0.051 | 0.910 | 0.018 | 0.170 | 1.054 | 1560.00 | 175.000 | 269.0 | 5.400 | 258.0 |
| ARITH MEAN | | | | | 0.017 | 0.45 | 0.005 | 0.08 L | 0.547 | 314 | 130 | 186 | 5.400 | 130 |
| GEOM MEAN | | | | | 0.009 | 0.42 | 0.004 | 0.04 L | 0.499 | 79 | 122 | 180 | | 125 |
| MINIMUM | | | | | 0.001 | 0.150 | 0.003 | 0.010< | 0.164 | 2.0 | 39.000 | 120.0 | 5.400 | 91.0 |
| STD DEV | | | | | 0.016 | 0.18 | 0.004 | 0.05 L | 0.235 | 440 | 38 | 48 | | 44 |
| NO OF SAMPLES | | | | | 33 | 13 | 13 | 33 | 13 | 56 | 14 | 30 | 1 | 13 |

(CONTD)

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

| | | | |
|---|---|---|---|
| B.O.W./SITE | PIC RIVER | | |
| SAMPLE POINT | AT HIGHWAY 17 | | |
| STATION TYPE | RIVER FLOW GAUGE FED 02BB003 | | |
| MAJOR BASIN | GREAT LAKES | STATION ID | 01-0060-001-02 |
| MINOR BASIN | LAKE SUPERIOR | STORET CODE | 02<br>001<br>2280 |
| TERM STREAM | PIC RIVER | | |
| LAT | | LONG | |
| U.T.M. | 16 0552700.0 5394925.0 4 | REGION | 06 |
| | | DISTANCE | 14.806 |

| TEST-NAME: | | | | | PH | FWPH | FEUT | COLAP | ASUT | HGUT | ALUT | CRUT | CUUT | PBUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB |
| 80 01 08 1225 | | | 3 | 1 | 7.40 | | | | 0.001< | 0.050< | | 0.003 | 0.004 | 0.003 |
| 80 01 29 1430 | | | .3 | 1 | 7.50 | | | | 0.001< | 0.05 < | | 0.003 | 0.004 | 0.004 |
| 80 02 26 1445 | | | .3 | 1 | 7.50 | 7.5 | | | 0.001< | 0.050< | | 0.001 | 0.004 | 0.004 |
| 80 03 17 1450 | | | .3 | 1 | 7.60 | 7.8 | | | 0.002 | 0.050< | | 0.003 | 0.006 | 0.003 |
| 80 04 27 1830 | | | .3 | 1 | | | | | | 0.050< | | | | 0.015 |
| 80 04 28 1100 | | | .3 | 1 | 6.71 | | | | | 0.050< | 0.450 | | 0.010< | 0.004 |
| 1450 | | | .3 | 1 | 7.90 | 8.2 | | | 0.006 | 0.050< | | 0.038 | 0.012 | 0.003 |
| 1915 | | | .3 | 1 | | | | | | 0.040 | | | 0.030 | 0.030< |
| 80 04 29 0930 | | | .3 | 1 | | | | | | 0.120 | | | 0.030 | 0.030< |
| 1430 | | | .3 | 1 | 7.60 | | 16.000 | 70.000> | 0.004 | 0.100 | | 0.030 | 0.030 | 0.030< |
| 80 04 30 1100 | | | .3 | 1 | | | | | | 0.040 | | | 0.030 | 0.030< |
| 80 05 01 1100 | | | .3 | 1 | | | | | | 0.050< | | | 0.019 | 0.011 |
| 80 05 02 1045 | | | .3 | 1 | | | | | | 0.050< | | | | 0.015 |
| 80 05 03 1045 | | | .3 | 1 | | | | | | 0.050< | | | 0.022 | 0.017 |
| 80 05 04 1100 | | | .3 | 1 | | | | | | 0.050< | | | 0.013 | 0.018 |
| 80 05 05 1030 | | | .3 | 1 | | | | | | 0.050< | | | 0.012 | 0.009 |
| 1430 | | | .3 | 1 | 8.10 | 7.6 | | | 0.002 | 0.050< | | 0.038 | 0.011 | 0.008 |
| 80 05 06 1040 | | | .3 | 1 | | | | | | 0.050< | | | 0.009 | 0.006 |
| 80 05 07 1100 | | | .3 | 1 | | | | | | | | | | 0.003 |
| 80 05 09 1100 | | | .3 | 1 | | | | | | 0.050< | | | 0.007 | 0.001 |
| 80 05 11 1020 | | | .3 | 1 | | | | | | 0.050< | | | | 0.010 |
| 80 05 13 1205 | | | .3 | 1 | | | | | | 0.050< | | | 0.009 | 0.012 |
| 80 05 15 1100 | | | .3 | 1 | | | | | | 0.050< | | | | 0.002 |
| 80 05 17 1150 | | | .3 | 1 | | | | | | 0.050< | | | 0.005 | 0.001 |
| 80 05 20 1045 | | | .3 | 1 | | | | | | 0.050< | | | | 0.006 |
| 80 05 25 1400 | | | .3 | 1 | | | | | | 0.050< | | | 0.010 | 0.009 |
| 80 05 26 1545 | | | .3 | 1 | 7.70 | | | | 0.001 | 0.050< | | 0.009 | 0.003 | 0.008 |
| 80 05 31 1400 | | | .3 | 1 | | | | | | 0.050< | | | | 0.001 |
| 80 06 08 1440 | | | .3 | 1 | | | | | | 0.050< | | | 0.001 | 0.006 |
| 80 06 15 1100 | | | .3 | 1 | | | | | | 0.050< | | | | 0.011 |
| 80 06 22 1220 | | | .3 | 1 | | | | | | 0.050 | | | | 0.008 |
| 80 06 24 0940 | | | .3 | 1 | 7.80 | 7.7 | | | 0.001 | 0.050< | | 0.002 | 0.002 | 0.005 |
| 80 06 29 1540 | | | .3 | 1 | | | | | | 0.050< | | | 0.005 | 0.006 |
| 80 07 06 1340 | | | .3 | 1 | | | | | | 0.050< | | | | 0.009 |
| 80 07 12 2000 | | | .3 | 1 | | | | | | 0.050< | | | | 0.005 |
| 80 07 19 1600 | | | .3 | 1 | | | | | | 0.050< | | | 0.002 | 0.005 |
| 80 07 27 1000 | | | .3 | 1 | | | | | | 0.050< | | | | 0.001 |
| 80 07 28 1945 | | | .3 | 1 | 7.9 | 8.0 | | | 0.001 | 0.050< | | 0.002 | 0.010 | 0.001< |
| 80 08 03 1300 | | | .3 | 1 | | | | | | 0.050 | | | | 0.006< |
| 80 08 10 1530 | | | .3 | 1 | | | | | | 0.050< | | | 0.007 | 0.004 |
| 80 08 16 2000 | | | .3 | 1 | | | | | | 0.050< | | | | 0.016 |
| 80 08 25 1650 | | | .3 | 1 | 7.90 | 8.0 | | | 0.001< | 0.05 < | | 0.003 | 0.004 | 0.005 |
| 80 08 30 1635 | | | .3 | 1 | | | | | | 0.060 | | | 0.001< | 0.008 |
| 80 09 06 1600 | | | .3 | 1 | | | | | | 0.050< | | | | |
| 80 09 14 1530 | | | .3 | 1 | | | | | | 0.050< | | | | 0.012 |
| 80 09 21 1500 | | | .3 | 1 | | | | | | 0.050< | | | 0.012 | 0.013 |
| 80 09 25 1530 | | | .3 | 1 | | | | | | 0.050< | | | | 0.004 |
| 80 09 28 1500 | | | .3 | 1 | | | | | | 0.050< | | | | 0.005 |
| 80 09 29 1555 | | | .3 | 1 | 7.80 | 7.9 | | | 0.001< | 0.05 < | | 0.002 | 0.004 | 0.005 |
| 80 10 01 1435 | | | .3 | 1 | | | | | | 0.050< | | | 0.002 | 0.003 |
| 80 10 08 1300 | | | .3 | 1 | | | | | | 0.060 | | | | 0.005 |
| 80 10 14 1530 | | | .3 | 1 | | | | | | 0.050< | | | | 0.003 |
| 80 10 22 1100 | | | .3 | 1 | | | | | | 0.050< | | | 0.003 | 0.006 |
| 80 10 27 1650 | | | .3 | 1 | 7.90 | 7.6 | | | 0.001< | 0.120 | | 0.008 | 0.001< | 0.005 |
| 80 10 28 1030 | | | .3 | 1 | | | | | | 0.050< | | | | 0.011 |
| 80 11 25 0845 | | | .3 | 1 | 7.80 | 8.4 | | | 0.001< | 0.05 < | | 0.008 | 0.006 | 0.011 |
| MAXIMUM | | | | | 8.10 | 8.4 | 16.000 | 70.000> | 0.006 | 0.120 | 0.450 | 0.038 | 0.030 | 0.030 |
| ARITH MEAN | | | | | 7.6 | 7.9 | 16.000 | 70.000G | 0.002L | 0.05 L | 0.450 | 0.011 | 0.010L | 0.009L |
| GEOM MEAN | | | | | 7.6 | 7.9 | | | 0.001L | 0.05 L | | 0.005 | 0.006L | 0.008L |
| MINIMUM | | | | | 6.71 | 7.5 | 16.000 | 70.000 | 0.001< | 0.040< | 0.450 | 0.001 | 0.001< | 0.001< |
| STD DEV | | | | | 0.3 | 0.3 | | | 0.001L | 0.01 L | | 0.014 | 0.009L | 0.007L |
| NO OF SAMPLES | | | | | 15 | 10 | 1 | 1 | 14 | 55 | 1 | 14 | 35 | 55 |

| TEST-NAME: | | | | | CDUT | ZNUT | MNUT | NIUT | COUT | P1PCBT | X3PCPH | P3245T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | PCB TOTAL UG/L | PENTACHL PHENOL UG/L | 2,4,5-T UG/L |
| 80 01 08 1225 | | | .3 | 1 | 0.001< | 0.002 | | | | 0.090 | | |
| 80 01 29 1430 | | | .3 | 1 | 0.001< | 0.006 | | | | | | |
| 80 02 26 1445 | | | .3 | 1 | 0.002 | 0.013 | | | | 0.020R | | |
| 80 03 17 1450 | | | .3 | 1 | 0.001 | 0.013 | | | | | | |
| 80 04 27 1830 | | | .3 | 1 | 0.002 | | | | | 0.020R | | |
| 80 04 28 1100 | | | .3 | 1 | 0.001< | 0.010 | | | | 0.020R | | |
| 1450 | | | .3 | 1 | 0.001< | 0.017 | | | | 0.020R | | |
| 1915 | | | .3 | 1 | 0.005< | | | | | 0.020R | 0.050R | 0.050R |
| 80 04 29 0930 | | | .3 | 1 | 0.006 | | | | | 0.020R | | |
| 1430 | | | .3 | 1 | 0.005< | 0.030 | 0.470 | 0.020< | 0.020< | | | |
| 80 04 30 1100 | | | .3 | 1 | 0.005< | | | | | 0.020R | | |
| 80 05 01 1100 | | | .3 | 1 | 0.002 | | | | | 0.020R | | |
| 80 05 02 1045 | | | .3 | 1 | 0.002 | | | | | 0.020R | | |
| 80 05 03 1045 | | | .3 | 1 | 0.002 | | | | | 0.020 | | |
| 80 05 04 1100 | | | .3 | 1 | 0.002 | | | | | 0.020R | | |
| 80 05 05 1030 | | | .3 | 1 | 0.002 | | | | | 0.020R | | |
| 1430 | | | .3 | 1 | 0.002 | 0.031 | | | | 0.020R | | |
| 80 05 06 1040 | | | .3 | 1 | 0.002 | | | | | 0.020R | 0.050R | 0.050R |
| 80 05 07 1100 | | | 3 | 1 | 0.001 | | | | | 0.020R | | |
| 80 05 09 1100 | | | 3 | 1 | 0.001< | | | | | 0.020R | | |
| 80 05 11 1020 | | | 3 | 1 | 0.001 | | | | | 0.020R | | |
| 80 05 13 1205 | | | 3 | 1 | 0.001 | | | | | 0.020R | 0.050R | 0.050R |
| 80 05 15 1100 | | | 3 | 1 | 0.001 | | | | | 0.020R | | |
| 80 05 17 1150 | | | 3 | 1 | 0.001 | | | | | 0.020R | | |
| 80 05 20 1045 | | | 3 | 1 | 0.001< | | | | | 0.020R | | |
| 80 05 25 1400 | | | 3 | 1 | 0.002 | | | | | 0.020R | | |
| 80 05 26 1545 | | | 3 | 1 | 0.001 | 0.006 | | | | 0.020R | | |
| 80 05 31 1400 | | | 3 | 1 | 0.001 | | | | | 0.020R | | |
| 80 06 08 1440 | | | .3 | 1 | 0.001< | | | | | 0.020R | | |
| 80 06 15 1100 | | | 3 | 1 | 0.001 | | | | | 0.020R | | |
| 80 06 22 1220 | | | .3 | 1 | 0.001 | | | | | 0.020R | | |
| 80 06 24 0940 | | | 3 | 1 | 0.001 | 0.004 | | | | 0.020R | | |

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| | | TEST-NAME: | CDUT | ZNUT | MNUT | NIUT | COUT | P1PCBT | X3PCPH | P3245T |
|---|---|---|---|---|---|---|---|---|---|---|
| 80 06 29 1540 | .3 | 1 | 0.001 | | | | | 0.020R | | |
| 80 07 06 1340 | .3 | 1 | 0.001 | | | | | | | |
| 80 07 12 2000 | .3 | 1 | 0.001 | | | | | | | |
| 80 07 19 1600 | .3 | 1 | 0.001< | | | | | 0.020R | 0.050R | 0.050R |
| 80 07 27 1000 | .3 | 1 | 0.001< | | | | | 0.020R | | |
| 80 07 28 1945 | .3 | 1 | 0.001 | 0.003 | | | | 0.020R | | |
| 80 08 03 1300 | .3 | 1 | 0.001< | | | | | 0.020R | | |
| 80 08 10 1530 | .3 | 1 | 0.001 | | | | | 0.020R | 0.050R | 0.050R |
| 80 08 16 2000 | .3 | 1 | 0.004< | | | | | 0.020R | | |
| 80 08 25 1650 | .3 | 1 | 0.001 | 0.001 | | | | 0.040 | | |
| 80 08 30 1635 | .3 | 1 | 0.001< | | | | | 0.020R | | |
| 80 09 06 1600 | .3 | 1 | | | | | | 0.020R | | |
| 80 09 14 1530 | .3 | 1 | 0.001 | | | | | 0.020R | | |
| 80 09 21 1500 | .3 | 1 | 0.002 | | | | | 0.020R | 0.050R | 0.050R |
| 80 09 25 1530 | .3 | 1 | 0.001 | | | | | 0.020R | | |
| 80 09 28 1500 | .3 | 1 | 0.001 | | | | | 0.020R | | |
| 80 09 29 1555 | .3 | 1 | 0.001< | 0.002 | | | | 0.020R | | |
| 80 10 01 1435 | .3 | 1 | 0.001 | | | | | 0.020R | 0.090 | 0.050R |
| 80 10 08 1300 | .3 | 1 | 0.001 | | | | | 0.020R | | |
| 80 10 14 1530 | .3 | 1 | 0.001 | | | | | 0.020R | | |
| 80 10 22 1100 | .3 | 1 | 0.001 | | | | | 0.020R | 0.080 | 0.050R |
| 80 10 27 1650 | .3 | 1 | 0.001< | 0.006 | | | | 0.020R | | |
| 80 10 28 1030 | .3 | 1 | 0.001< | | | | | 0.020R | | |
| 80 11 25 0845 | .3 | 1 | 0.001< | 0.002 | | | | 0.020R | | |
| **MAXIMUM** | | | **0.006** | **0.031** | **0.470** | **0.020** | **0.020** | | **0.090** | **0.050** |
| **ARITH MEAN** | | | **0.002L** | **0.010** | **0.470** | **0.020L** | **0.020L** | | **0.069B** | **0.050B** |
| **GEOM MEAN** | | | **0.001L** | **0.006** | | | | | **0.057B** | **0.050B** |
| **MINIMUM** | | | **0.001<** | **0.001** | **0.470** | **0.020<** | **0.020<** | | **0.050** | **0.050** |
| **STD DEV** | | | **0.001L** | **0.010** | | | | | **0.016B** | **0.000B** |
| **NO OF SAMPLES** | | | **55** | **16** | **1** | **1** | **1** | | **8** | **8** |

B.O.W / SITE: **BLACK RIVER**
SAMPLE POINT: **AT HIGHWAY 17**
STATION TYPE: **RIVER FLOW GAUGE FED 02BB002**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **PIC RIVER**

STATION ID: **01-0060-002-02**
STORET CODE: **02**
**001**
**2280**

LAT: LONG: U T M: **16 0557925.0 5392850.0 4** REGION: **06** DISTANCE: **12.874**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 08 1240 | | | .3 | 1 | 10506 | | 8.550 | 4 | 80 | 4< | 4< | 0.0 | 12.6 | 0.009 |
| 80 01 29 1500 | | | .3 | 1 | 10519 | 4 | 5.150 | | | | | 0.0 | 12.4 | 0.010 |
| 80 02 26 1500 | | | .3 | 1 | 10533 | | 3.810 | 12 | 104 | 4< | 4< | 0.0 | 11.8 | 0.009 |
| 80 03 17 1515 | | | .3 | 1 | 10547 | | 3.530 | 12 | 168 | 4< | 4< | 0.0 | 12.8 | 0.001< |
| 80 04 27 1900 | | | .3 | 1 | 36400 | | 149.000 | | | | | | | 0.200 |
| 80 04 28 1130 | | | .3 | 1 | 36401 | | 157.000 | | | | | | | 0.150 |
| 1505 | | | .3 | 1 | 10561 | 3 | 157.000 | 140 | 400 | 4 | 4< | 2.0 | 13.4 | 0.120 |
| 1945 | | | .3 | 1 | 36402 | | 157.000 | | | | | | | 0.260 |
| 80 04 29 1000 | | | .3 | 1 | 36403 | | 178.000 | | | | | | | 0.170 |
| 1500 | | | .3 | 1 | 36404 | | 178.000 | | | | | | | 0.180 |
| 80 04 30 1130 | | | .3 | 1 | 36405 | | 203.000 | | | | | | | 0.180 |
| 80 05 01 1130 | | | .3 | 1 | 36406 | | 221.000 | | | | | | | 0.150 |
| 80 05 02 1110 | | | .3 | 1 | 36407 | | 231.000 | | | | | | | 0.100 |
| 80 05 03 1115 | | | .3 | 1 | 36408 | | 231.000 | | | | | | | 0.070 |
| 80 05 04 1120 | | | .3 | 1 | 36409 | | 224.000 | | | | | | | 0.110 |
| 80 05 05 1100 | | | .3 | 1 | 36410 | | 211.000 | | | | | | | 0.100 |
| 1545 | | | .3 | 1 | 10575 | | 211.000 | 60 | 440 | 4< | 4 | 6.0 | 8.5 | 0.080 |
| 80 05 06 1100 | | | .3 | 1 | 36411 | | 190.000 | | | | | | | 0.060 |
| 80 05 07 1120 | | | .3 | 1 | 36412 | | 164.000 | | | | | | | 0.010< |
| 80 05 09 1120 | | | .3 | 1 | 36413 | | 115.000 | | | | | | | 0.010< |
| 80 05 11 1045 | | | .3 | 1 | 36414 | | 94.600 | | | | | | | 0.010< |
| 80 05 13 1235 | | | .3 | 1 | 36415 | | 89.800 | | | | | | | 0.045 |
| 80 05 15 1130 | | | .3 | 1 | 36416 | | 76.700 | | | | | | | 0.041 |
| 80 05 17 1215 | | | .3 | 1 | 36417 | | 64.300 | | | | | | | 0.023 |
| 80 05 20 1105 | | | .3 | 1 | 36418 | | 48.200 | | | | | | | 0.005< |
| 80 05 25 1425 | | | .3 | 1 | 36419 | | 32.000 | | | | | | | 0.015 |
| 80 05 26 1600 | | | .3 | 1 | 10583 | | 29.800 | 36 | 1000 | 4< | 4< | 17.0 | 9.2 | 0.007 |
| 80 05 31 1430 | | | .3 | 1 | 36420 | | 24.400 | | | | | | | 0.016 |
| 80 06 08 1515 | | | .3 | 1 | 36421 | | 23.900 | | | | | | 0.008 | 0.450 |
| 80 06 15 1130 | | | .3 | 1 | 36422 | | 18.600 | | | | | | | 0.018 |
| 80 06 22 1245 | | | .3 | 1 | 36423 | | 13.700 | | | | | | | 0.011 |
| 80 06 23 1850 | | | .3 | 1 | 10598 | | 13.000 | 4 | 248 | 4< | 4< | 20.2 | 9.3 | 0.013 |
| 80 06 29 1605 | | | .3 | 1 | 36424 | | 10.300 | | | | | | | 0.005 |
| 80 07 06 1400 | | | .3 | 1 | 36425 | | 18.000 | | | | | | | 0.013 |
| 80 07 12 2030 | | | .3 | 1 | 36426 | | 15.500 | | | | | | | 0.011 |
| 80 07 19 1630 | | | .3 | 1 | 36427 | | 12.900 | | | | | | | 0.014 |
| 80 07 27 1030 | | | .3 | 1 | 36428 | | 9.160 | | | | | | | 0.019 |
| 80 07 28 1525 | | | .3 | 1 | 10613 | | 8.830 | 96C | 1280 | 92 | | 21.4 | 8.8 | 0.008 |
| 80 08 03 1330 | | | .3 | 1 | 36429 | | 8.070 | | | | | | | 0.010 |
| 80 08 10 1600 | | | .3 | 1 | 36430 | | 11.400 | | | | | | | 0.006 |
| 80 08 16 1930 | | | .3 | 1 | 36431 | | 17.500 | | | | | | | 0.013 |
| 80 08 25 1715 | | | .3 | 1 | 10628 | | 12.000 | 100 | 1100 | 4 | 16 | 21.0 | 7.6 | 0.009 |
| 80 08 30 1610 | | | .3 | 1 | 36432 | | 9.660 | | | | | | | 0.001< |
| 80 09 06 1630 | | | .3 | 1 | 36433 | | 12.900 | | | | | | | 0.001< |
| 80 09 14 1545 | | | .3 | 1 | 36434 | | 15.500 | | | | | | | 0.007 |
| 80 09 21 1530 | | | .3 | 1 | 36435 | | 41.400 | | | | | | | 0.035 |
| 80 09 25 1500 | | | .3 | 1 | 36436 | | 43.800 | | | | | | | 0.024 |
| 80 09 28 1520 | | | .3 | 1 | 36437 | | 37.400 | | | | | | | 0.015 |
| 80 09 29 1630 | | | .3 | 1 | 10643 | | 35.100 | 116C | 1400 | 4< | 8 | 7.0 | 11.2 | 0.018 |
| 80 10 01 1500 | | | .3 | 1 | 36438 | | 35.400 | | | | | | | 0.007 |
| 80 10 08 1330 | | | .3 | 1 | 36439 | | 27.800 | | | | | | | 0.017 |
| 80 10 14 1600 | | | .3 | 1 | 36440 | | 22.500 | | | | | | | 0.010 |
| 80 10 22 1130 | | | .3 | 1 | 36441 | | 33.600 | | | | | | | 0.012 |
| 80 10 28 0850 | | | .3 | 1 | 10658 | | 45.300 | | | | | 2.0 | 11.6 | 0.016 |
| 1100 | | | .3 | 1 | 36442 | | 45.300 | | | | | | | 0.017 |
| 80 11 24 1515 | | | .3 | 1 | 10673 | 4 | 16.400 | 36 | 152 | 4< | 4< | 0.0 | 10.5 | 0.006 |
| **MAXIMUM** | | | | | | | **231.000** | **140** | **1400** | **92** | **16** | **21.4** | **13.4** | **0.450** |
| **ARITH MEAN** | | | | | | | **72.728** | **56** | **579** | **12L** | **6L** | **7.4** | **9.9** | **0.052L** |
| **GEOM MEAN** | | | | | | | **37.833** | **31** | **371** | **6L** | **6L** | **3.7** | **6.3** | **0.021L** |
| **MINIMUM** | | | | | | | **3.530** | **4** | **80** | **4<** | **4<** | **0.0** | **0.008** | **0.001<** |
| **STD DEV** | | | | | | | **76.897** | **49** | **510** | **27L** | **4L** | **9.0** | **3.3** | **0.082L** |
| **NO OF SAMPLES** | | | | | | | **66** | **11** | **11** | **11** | **10** | **13** | **14** | **66** |

(CONTD)

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B O W / SITE **BLACK RIVER**
SAMPLE POINT **AT HIGHWAY 17**
STATION TYPE **RIVER FLOW GAUGE FED [illegible]**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE SUPERIOR**
TERM STREAM **PIC RIVER**

STATION ID **01-0060-002-02**
STORET CODE **02**
**001**
**2200**

LAT
LONG
U T M **16 0557925.0 5392850.0 4**
REGION **08**
DISTANCE **12.874**

| TEST-NAME: | | | | | PPO4FR | NNTKUR | NNO2FR | NNO3FR | NNKI | RSP | RSF | COND25 | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | ALK TOTAL MG/L AS CACO3 | PH |
| 80 01 08 1240 | | | .3 | 1 | 0.001 | 0.440 | 0.003 | 0.160 | 0.603 | 3.00 | 143.000 | | 100 | 7.60 |
| 80 01 29 1500 | | | .3 | 1 | 0.001 | 0.960 | 0.005 | 0.350 | 1.315 | 5.00 | 171.000 | 264.0 | 114 | 7.50 |
| 80 02 26 1500 | | | .3 | 1 | 0.001 | 0.360 | 0.002 | 0.190 | 0.552 | 4.00 | 156.000 | 240.0 | 115.0 | 7.50 |
| 80 03 17 1515 | | | .3 | 1 | 0.001 | 0.390 | 0.002 | 0.200 | 0.592 | 3.00 | 163.000 | 250.0 | 118.0 | 7.60 |
| 80 04 27 1900 | | | .3 | 1 | | | | | | 450.0 | | | | |
| 80 04 28 1130 | | | .3 | 1 | | | | | | 1300.0 | | 117.0 | | |
| 1505 | | | .3 | 1 | 0.009 | 0.100 | 0.008 | 0.220 | 0.328 | 230.00 | 74.000 | 114.0 | 53.0 | 8.00 |
| 1945 | | | .3 | 1 | 0.007 | | | 0.220 | | 340.0 | | | | |
| 80 04 29 1000 | | | .3 | 1 | 0.009 | | | 0.210 | | 410.0 | | 114.0 | | |
| 1500 | | | .3 | 1 | 0.009 | | | 0.200 | | 400.0 | | 112.0 | | |
| 80 04 30 1130 | | | .3 | 1 | 0.012 | | | 0.190 | | 420.0 | | 112.0 | | 7.90 |
| 80 05 01 1130 | | | .3 | 1 | 0.007 | | | 0.170 | | 320.0 | | 108.0 | | |
| 80 05 02 1110 | | | .3 | 1 | | | | | | 380.0 | | 109.0 | | |
| 80 05 03 1115 | | | .3 | 1 | 0.006 | | | 0.140 | | 270.0 | | 118.0 | | |
| 80 05 04 1120 | | | .3 | 1 | 0.007 | | | 0.120 | | 330.0 | | 119.0 | | |
| 80 05 05 1100 | | | .3 | 1 | 0.008 | | | 0.110 | | 280.0 | | 119.0 | | |
| 1545 | | | .3 | 1 | 0.007 | 0.100 | 0.007 | 0.102 | 0.209 | 180.00 | 78.000 | | 52.0 | 7.90 |
| 80 05 06 1100 | | | .3 | 1 | 0.016 | | | 0.110 | | 500.0 | | 121.0 | | |
| 80 05 07 1120 | | | .3 | 1 | | | | | | 220.0 | | 126.0 | | |
| 80 05 09 1120 | | | .3 | 1 | 0.005 | | | 0.100 | | 150.0 | | 130.0 | | |
| 80 05 11 1045 | | | .3 | 1 | | | | | | 130.0 | | 136.0 | | |
| 80 05 13 1235 | | | .3 | 1 | 0.006 | | | 0.110 | | 85.0 | | 130.0 | | |
| 80 05 15 1130 | | | .3 | 1 | | | | | | 50.0 | | 134.0 | | |
| 80 05 17 1215 | | | .3 | 1 | 0.003 | | | 0.090 | | 40.0 | | 135.0 | | |
| 80 05 20 1105 | | | .3 | 1 | | | | | | 30.0 | | 145.0 | | |
| 80 05 25 1425 | | | .3 | 1 | 0.002 | | | 0.090 | | 20.0 | | 166.0 | | |
| 80 05 26 1600 | | | .3 | 1 | 0.002 | 0.380 | 0.005 | 0.090 | 0.475 | 10.00 | 114.000 | | 75.0 | 7.80 |
| 80 05 31 1430 | | | .3 | 1 | | | | | | 10.0 | | 185.0 | | |
| 80 06 08 1515 | | | .3 | 1 | 0.002 | | | 0.100 | | 5.0 | | 180.0 | | |
| 80 06 15 1130 | | | .3 | 1 | | | | | | 3.0 | | 195.0 | | |
| 80 06 22 1245 | | | .3 | 1 | | | | | | 20.0 | | 215.0 | | |
| 80 06 23 1850 | | | .3 | 1 | 0.001< | 0.330 | 0.003 | 0.080 | 0.413 | 4.00 | 133.000 | 220.0 | 99.0 | 7.09 |
| 80 06 29 1605 | | | .3 | 1 | 0.001< | | | 0.060 | | 4.0 | | 235.0 | | |
| 80 07 06 1400 | | | .3 | 1 | | | | | | 10.0 | | 225.0 | | |
| 80 07 12 2030 | | | .3 | 1 | | | | | | 5.0 | | 210.0 | | |
| 80 07 19 1630 | | | .3 | 1 | | | | | | 10.0 | | 215.0 | | |
| 80 07 27 1030 | | | .3 | 1 | | | | | | 4.0 | | 235.0 | | |
| 80 07 28 1525 | | | .3 | 1 | 0.001< | 0.37 | 0.002 | 0.05 | 0.422 | 10 | 170 | 250 | 113 | 8.0 |
| 80 08 03 1330 | | | .3 | 1 | | | | | | 2.0 | | 255.0 | | |
| 80 08 10 1600 | | | .3 | 1 | 0.003 | | | 0.010< | | 4.0 | | 245.0 | | |
| 80 08 16 1930 | | | .3 | 1 | | | | | | 10.0 | | 210.0 | | |
| 80 08 25 1715 | | | .3 | 1 | 0.001< | 0.400 | 0.001< | 0.010< | 0.411 | 5.00 | 136.000 | 210.0 | 102.0 | 7.90 |
| 80 08 30 1610 | | | .3 | 1 | 0.001 | | | 0.030 | | 3.0 | | 220.0 | | |
| 80 09 06 1630 | | | .3 | 1 | | | | | | 3.0 | | 240.0 | | |
| 80 09 14 1545 | | | .3 | 1 | | | | | | 4.0 | | 225.0 | | |
| 80 09 21 1530 | | | .3 | 1 | 0.010 | | | 0.120 | | 75.0 | | 170.0 | | |
| 80 09 25 1500 | | | .3 | 1 | | | | | | 25.0 | | 160.0 | | |
| 80 09 28 1520 | | | .3 | 1 | | | | | | 10.0 | | 170.0 | | |
| 80 09 29 1630 | | | .3 | 1 | 0.001 | 0.410 | 0.005 | 0.090 | 0.505 | 15.00 | 110.000 | 170.0 | 73.0 | 7.80 |
| 80 10 01 1500 | | | .3 | 1 | 0.001 | | | 0.110 | | 9.0 | | 180.0 | | |
| 80 10 08 1330 | | | .3 | 1 | | | | | | 2.0 | | 195.0 | | |
| 80 10 14 1600 | | | .3 | 1 | | | | | | 2.0 | | 205.0 | | |
| 80 10 22 1130 | | | .3 | 1 | 0.001 | | | 0.130 | | 6.0 | | 180.0 | | |
| 80 10 28 0850 | | | .3 | 1 | 0.002 | 0.410 | 0.005 | 0.100 | 0.515 | 20.00 | 110.000 | 170.0 | 69.0 | 7.90 |
| 1100 | | | .3 | 1 | | | | | | 20.0 | | 165.0 | | |
| 80 11 24 1515 | | | .3 | 1 | 0.001 | 0.390 | 0.004 | 0.130 | 0.524 | 3.00 | 130.000 | 200.0 | 83.0 | 7.80 |
| MAXIMUM | | | | | 0.016 | 0.960 | 0.008 | 0.360 | 1.315 | 1300.0 | 171.000 | 264.0 | 118.0 | 8.00 |
| ARITH MEAN | | | | | 0.004L | 0.38 | 0.004L | 0.12 L | 0.528 | 122 | 129 | 177 | 89 | 7.7 |
| GEOM MEAN | | | | | 0.003L | 0.33 | 0.003L | 0.10 L | 0.486 | 24 | 125 | 170 | 88 | 7.7 |
| MINIMUM | | | | | 0.001< | 0.100 | 0.001< | 0.010< | 0.209 | 2.0 | 74.000 | 108.0 | 52.0 | 7.09 |
| STD DEV | | | | | 0.004L | 0.20 | 0.002L | 0.07 L | 0.260 | 218 | 31 | 48 | 23 | 0.2 |
| NO OF SAMPLES | | | | | 33 | 13 | 13 | 33 | 13 | 56 | 13 | 51 | 13 | 14 |

| TEST-NAME: | | | | | FWPH | FEUT | COLAP | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH FIELD | IRON UNF.TOT. MG/L AS FE | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 01 08 1240 | | | .3 | 1 | | | | 0.001< | 0.050< | 0.001< | 0.004 | 0.008 | 0.001< | 0.031 |
| 80 01 29 1500 | | | .3 | 1 | 7.6 | | | 0.001< | 0.05 < | 0.004 | 0.004 | 0.018 | 0.001< | 0.041 |
| 80 02 26 1500 | | | .3 | 1 | 7.8 | | | 0.001< | 0.050< | 0.001 | 0.002 | 0.002 | 0.002 | 0.034 |
| 80 03 17 1515 | | | .3 | 1 | 7.8 | | | 0.002 | 0.050< | 0.002 | 0.007 | 0.002 | 0.001< | 0.033 |
| 80 04 27 1900 | | | .3 | 1 | | | | | 0.050< | | | 0.009 | 0.001< | |
| 80 04 28 1130 | | | .3 | 1 | | | | | 0.050< | | | 0.005 | 0.001< | |
| 1505 | | | .3 | 1 | 8.1 | | | 0.003 | 0.050< | 0.009 | 0.001< | 0.001 | 0.001< | 0.015 |
| 1945 | | | .3 | 1 | | | | | 0.030 | | 0.010< | 0.030< | 0.005< | |
| 80 04 29 1000 | | | .3 | 1 | | | | | 0.030< | | 0.010< | 0.030< | 0.005< | |
| 1500 | | | .3 | 1 | | | | | 0.030< | | 0.010 | 0.030< | 0.005< | |
| 80 04 30 1130 | | | .3 | 1 | | 3.200 | 70.000> | 0.003 | 0.030< | 0.020< | 0.020 | 0.030< | 0.005< | 0.040 |
| 80 05 01 1130 | | | .3 | 1 | | | | | 0.050< | | 0.006 | 0.004 | 0.001 | |
| 80 05 02 1110 | | | .3 | 1 | | | | | 0.050< | | | 0.001 | 0.001 | |
| 80 05 03 1115 | | | .3 | 1 | | | | | 0.050< | | 0.012 | 0.002 | 0.002 | |
| 80 05 04 1120 | | | .3 | 1 | | | | | 0.050< | | 0.009 | 0.010 | 0.001 | |
| 80 05 05 1100 | | | .3 | 1 | | | | | 0.050< | | 0.006 | 0.005 | 0.001 | |
| 1545 | | | .3 | 1 | 7.5 | | | 0.002 | 0.050< | 0.013 | 0.006 | 0.006 | 0.001 | 0.037 |
| 80 05 06 1100 | | | .3 | 1 | | | | | 0.050< | | 0.005 | 0.006 | 0.001 | |
| 80 05 07 1120 | | | .3 | 1 | | | | | | | | 0.004 | 0.001 | |
| 80 05 09 1120 | | | .3 | 1 | | | | | 0.050< | | 0.005 | 0.001< | 0.001< | |
| 80 05 11 1045 | | | .3 | 1 | | | | | 0.050< | | | 0.017 | 0.001< | |
| 80 05 13 1235 | | | .3 | 1 | | | | | 0.050< | | 0.005 | 0.005 | 0.001< | |
| 80 05 15 1130 | | | .3 | 1 | | | | | 0.050< | | | 0.002 | 0.001 | |
| 80 05 17 1215 | | | .3 | 1 | | | | | 0.050< | | 0.003 | 0.004 | 0.001 | |
| 80 05 20 1105 | | | .3 | 1 | | | | | 0.050< | | | 0.007 | 0.001 | |
| 80 05 25 1425 | | | .3 | 1 | | | | | 0.050< | | 0.002 | 0.009 | 0.002 | |
| 80 05 26 1600 | | | .3 | 1 | | | | 0.001 | 0.050< | 0.001< | 0.002 | 0.002 | 0.001 | 0.018 |
| 80 05 31 1430 | | | .3 | 1 | | | | | 0.050< | | | 0.002 | 0.001 | |
| 80 06 08 1515 | | | .3 | 1 | | | | | 0.050< | | 0.003 | 0.006 | 0.001 | |
| 80 06 15 1130 | | | .3 | 1 | | | | | 0.050 | | | 0.011 | 0.001 | |
| 80 06 22 1245 | | | .3 | 1 | | | | | 0.050 | | | 0.007 | 0.001 | |

| TEST-NAME: | | | FWPH | FEUT | COLAP | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 06 23 1850 | .3 | 1 | 9.2 | | | 0.001 | 0.050< | 0.001< | 0.003 | 0.004 | 0.001 | 0.005 |
| 80 06 29 1605 | .3 | 1 | | | | | 0.050 | | 0.008 | 0.006 | 0.001< | |
| 80 07 06 1400 | .3 | 1 | | | | | 0.050< | | | 0.004 | 0.001 | |
| 80 07 12 2030 | .3 | 1 | | | | | 0.050< | | | 0.007 | 0.001< | |
| 80 07 19 1630 | .3 | 1 | | | | | 0.050< | | 0.002 | 0.003 | 0.001< | |
| 80 07 27 1030 | .3 | 1 | | | | | 0.120 | | | 0.001 | 0.001 | |
| 80 07 28 1525 | .3 | 1 | 9.0 | | | 0.001 | 0.050< | 0.002 | 0.001< | 0.002 | 0.001 | 0.004 |
| 80 08 03 1330 | .3 | 1 | | | | | 0.040< | | | 0.006< | 0.001< | |
| 80 08 10 1600 | .3 | 1 | | | | | 0.070 | | 0.005 | 0.005 | 0.001 | |
| 80 08 16 1930 | .3 | 1 | | | | | 0.050< | | | 0.012 | 0.004< | |
| 80 08 25 1715 | .3 | 1 | 8.0 | | | 0.001< | 0.05 < | 0.001 | 0.002 | 0.007 | 0.001 | 0.002 |
| 80 08 30 1610 | .3 | 1 | | | | | 0.050< | | 0.001< | 0.003 | 0.001< | |
| 80 09 06 1630 | .3 | 1 | | | | | 0.050< | | | | | |
| 80 09 14 1545 | .3 | 1 | | | | | 0.050< | | | 0.010 | 0.001 | |
| 80 09 21 1530 | .3 | 1 | | | | | 0.050< | | 0.004 | 0.006 | 0.002 | |
| 80 09 25 1500 | .3 | 1 | | | | | | | | 0.007 | 0.001 | |
| 80 09 28 1520 | .3 | 1 | | | | | 0.050< | | | 0.021 | 0.001 | |
| 80 09 29 1630 | .3 | 1 | 7.05 | | | 0.001< | 0.05 < | 0.004 | 0.001< | 0.004 | 0.001< | 0.006 |
| 80 10 01 1500 | .3 | 1 | | | | | 0.050< | | 0.005 | 0.001 | 0.001 | |
| 80 10 08 1330 | .3 | 1 | | | | | 0.070 | | | 0.005 | 0.001< | |
| 80 10 14 1600 | .3 | 1 | | | | | 0.050< | | | 0.004 | 0.001 | |
| 80 10 22 1130 | .3 | 1 | | | | | 0.050< | | 0.004 | 0.010 | 0.001 | |
| 80 10 28 0850 | .3 | 1 | 7.6 | | | 0.001< | 0.050< | 0.002 | 0.001< | 0.004 | 0.001 | 0.010 |
| 1100 | .3 | 1 | | | | | 0.050< | | | 0.003 | 0.001< | |
| 80 11 24 1515 | .3 | 1 | 8.0 | | | 0.001< | 0.05 < | 0.017 | 0.001 | 0.001 | 0.001 | 0.015 |
| MAXIMUM | | | 9.2 | 3.200 | 70.000> | 0.003 | 0.120 | 0.020 | 0.020 | 0.030 | 0.006 | 0.041 |
| ARITH MEAN | | | 7.9 | 3.200 | 70.000Q | 0.001L | 0.05 L | 0.006L | 0.006L | 0.007L | 0.001L | 0.021 |
| GEOM MEAN | | | 7.9 | | | 0.001L | 0.04 L | 0.003L | 0.004L | 0.006L | 0.001L | 0.016 |
| MINIMUM | | | 7.05 | 3.200 | 70.000 | 0.001< | 0.030< | 0.001< | 0.001< | 0.001< | 0.001< | 0.002 |
| STD DEV | | | 0.6 | | | 0.001L | 0.01 L | 0.007L | 0.004L | 0.008L | 0.001L | 0.016 |
| NO OF SAMPLES | | | 11 | 1 | 1 | 14 | 54 | 14 | 34 | 55 | 55 | 14 |

| TEST-NAME: | | | | MNUT | NIUT | COUT |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 04 30 1130 | | 3 | 1 | 0.140 | 0.020< | 0.020< |
| MAXIMUM | | | | 0.140 | 0.020 | 0.020 |
| ARITH MEAN | | | | 0.140 | 0.020L | 0.020L |
| GEOM MEAN | | | | | | |
| MINIMUM | | | | 0.140 | 0.020< | 0.020< |
| STD DEV | | | | | | |
| NO OF SAMPLES | | | | 1 | 1 | 1 |

STATION ID: 01-0060-003-02

B.O.W / SITE: **BLACK RIVER**
SAMPLE POINT: **AT HIGHWAY NO.614 SOUTH OF AGONZON**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **PIC RIVER**

STORET CODE: **02**
**001**
**2280**

U T M: **16 0582100.0 5414375.0 4** REGION: **06** DISTANCE: **84.327**

LAT: LONG:

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 08 1130 | | .3 | 1 | 10511 | | 4 | 100 | 4< | 4< | 0.0 | 12.4 | 1.8 | 0.015 |
| 80 01 29 1630 | | .3 | 1 | 10524 | 4 | 52 | 840 | 4 | 8 | 0.0 | 12.2 | 1.0 | 0.010 |
| 80 02 26 1640 | | .3 | 1 | 10538 | 4 | 4 | 60 | 4< | 4< | 0.0 | 11.3 | 1.0 | 0.004 |
| 80 03 17 1650 | | .3 | 1 | 10553 | 4 | 8 | 124 | 8 | 4< | 0.0 | 12.4 | 0.8 | 0.001< |
| 80 04 28 1650 | | .3 | 1 | 10567 | 6 3 | 116 | 360 | 16 | | 13.2 | 7.7 | 0.8 | 0.043 |
| 80 05 26 1730 | | .3 | 1 | 10589 | | 52< | 2000 | 4 | | 16.0 | 9.5 | 0.3 | 0.006 |
| 80 06 23 1845 | | .3 | 1 | 10604 | | 40 | 1000 | 8 | | 22.2 | 9.3 | 0.2 | 0.017 |
| 80 07 28 1655 | | .3 | 1 | 10619 | | 84C | 3000 | | | 19.2 | 8.5 | 0.8 | 0.005 |
| 80 08 25 1850 | | .3 | 1 | 10630 | | 270 | 1190 | 52 | | 23.0 | 7.5 | 0.2 | 0.004 |
| 80 09 29 1800 | | .3 | 1 | 10645 | | 130 | 910 | 12 | | 8.0 | 11.6 | 0.2 | 0.011 |
| 80 10 28 1100 | | .3 | 1 | 10660 | | 36 | 424 | 4< | | 1.8 | 12.2 | 0.6 | 0.007 |
| 80 11 24 1700 | | .3 | 1 | 10679 | 4 | 16 | 192 | 4 | | 0.0 | 11.6 | 0.6 | 0.005 |
| MAXIMUM | | | | | | 270 | 3000 | 52 | 8 | 23.0 | 12.4 | 1.8 | 0.043 |
| ARITH MEAN | | | | | | 68L | 850 | 11L | 6L | 8.6 | 10.5 | 0.7 | 0.011L |
| GEOM MEAN | | | | | | 34L | 471 | 7L | 5L | 4.2 | 10.3 | 0.6 | 0.007L |
| MINIMUM | | | | | | 4< | 60 | 4< | 4< | 0.0 | 7.5 | 0.2 | 0.001< |
| STD DEV | | | | | | 78L | 887 | 14L | 2L | 9.5 | 1.9 | 0.5 | 0.011L |
| NO OF SAMPLES | | | | | | 12 | 12 | 11 | 4 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 08 1130 | | .3 | 1 | 0.001 | 0.060 | 0.820 | 0.003 | 0.130 | 0.193 | 0.760 | 0.953 | 170.00 | 10.00 |
| 80 01 29 1630 | | .3 | 1 | 0.002 | 0.080 | 0.800 | 0.005 | 0.240 | 0.325 | 0.720 | 1.045 | 170.00 | 2.00 |
| 80 02 26 1640 | | .3 | 1 | 0.001< | 0.020 | 0.410 | 0.003 | 0.150 | 0.173 | 0.390 | 0.563 | 150.00 | 1.00 |
| 80 03 17 1650 | | .3 | 1 | 0.001 | 0.02 | 0.46 | 0.004 | 0.17 | 0.194 | 0.440 | 0.634 | 150 | 2 |
| 80 04 28 1650 | | .3 | 1 | 0.002 | 0.070 | 0.420 | 0.007 | 0.170 | 0.247 | 0.350 | 0.597 | 190.00 | 55.00 |
| 80 05 26 1730 | | .3 | 1 | 0.001 | 0.080 | 0.420 | 0.006 | 0.130 | 0.216 | 0.340 | 0.556 | 150.00 | 10.00 |
| 80 06 23 1845 | | .3 | 1 | 0.001< | 0.010< | 0.330 | 0.003 | 0.130 | 0.143 | 0.320 | 0.463 | 140.00 | 3.00 |
| 80 07 28 1655 | | .3 | 1 | 0.001 | 0.01 < | 0.35 | 0.002 | 0.01 < | 0.022 | 0.340 | 0.362 | 130 | 5 |
| 80 08 25 1850 | | .3 | 1 | 0.001 | 0.01 | 0.33 | 0.003 | 0.05 | 0.063 | 0.320 | 0.383 | 180 | 2 |
| 80 09 29 1800 | | .3 | 1 | 0.001< | 0.020 | 0.410 | 0.005 | 0.190 | 0.215 | 0.390 | 0.605 | 170.00 | 10.00 |
| 80 10 28 1100 | | .3 | 1 | 0.001< | 0.110 | 0.510 | 0.006 | 0.180 | 0.296 | 0.400 | 0.696 | 160.00 | 5.00 |
| 80 11 24 1700 | | .3 | 1 | 0.001< | 0.120 | 0.420 | 0.004 | 0.160 | 0.284 | 0.300 | 0.584 | 180.00 | 4.00 |
| MAXIMUM | | | | 0.002 | 0.120 | 0.820 | 0.007 | 0.240 | 0.325 | 0.760 | 1.046 | 190.00 | 55.00 |
| ARITH MEAN | | | | 0.001L | 0.06 L | 0.47 | 0.004 | 0.14 L | 0.188 | 0.422 | 0.620 | 161 | 9 |
| GEOM MEAN | | | | 0.001L | 0.03 L | 0.45 | 0.004 | 0.11 L | 0.165 | 0.403 | 0.592 | 160 | 4 |
| MINIMUM | | | | 0.001< | 0.010< | 0.330 | 0.002 | 0.01 < | 0.022 | 0.300 | 0.362 | 130 | 1.00 |
| STD DEV | | | | 0.000L | 0.04 L | 0.16 | 0.002 | 0.06 L | 0.080 | 0.164 | 0.203 | 18 | 14 |
| NO OF SAMPLES | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

(CONTD)

B O W / SITE **BLACK RIVER**
SAMPLE POINT **AT HIGHWAY NO.614 SOUTH OF AGONZON**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE SUPERIOR**
TERM STREAM **PIC RIVER**

STATION ID **01-0060-003-02**
STORET CODE **02**
**001**
**2280**

LAT LONG U T M **16 0582100.0 5414375.0 4** REGION **06** DISTANCE **84.327**

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | SSO4UR | ACDT | ALKT | PH | FWPH | FEUT | HARDT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 |
| 80 01 08 1130 | | | 3 | 1 | 210.0 | 2.10 | 1.000 | 6.200 | 3.000 | 97 | 7.50 | 7.7 | 0.310 | 105.000 |
| 80 01 29 1630 | | | 3 | 1 | 278.0 | 1.30 | 1.700 | | | 124 | 7.50 | 7.7 | | 142.000 |
| 80 02 26 1640 | | | 3 | 1 | 252.0 | 1.30 | 0.900 | | | 119.0 | 7.50 | 7.8 | 0.35 | 129.000 |
| 80 03 17 1650 | | | 3 | 1 | 256 | 0.85 | 0.9 | 9.0 | 5 | 121 | 7.4 | 7.5 | 0.36 | 129 |
| 80 04 28 1650 | | | 3 | 1 | 131.0 | 5.80 | 0.700 | 11.000 | 3.000 | 53.0 | 7.40 | 7.7 | 0.840 | 64.000 |
| 80 05 26 1730 | | | 3 | 1 | 205.0 | 2.50 | 0.700 | 15.000 | 1.000 | 86.0 | 7.80 | 7.8 | 0.420 | 104.000 |
| 80 06 23 1845 | | | 3 | 1 | 240.0 | 1.50 | 0.800 | 14.000 | 2.000 | 105.0 | 7.90 | 9.3 | 0.200 | 132.000 |
| 80 07 28 1655 | | | 3 | 1 | 210 | 2.5 | 0.2 | 3.0 | 1 | 102 | 8.0 | 8.2 | 0.180 | 108 |
| 80 08 25 1850 | | | 3 | 1 | 245 | 1.2 | 0.8 | 9.0 | 2 | 115 | 8.0 | 7.9 | 0.14 | 128 |
| 80 09 29 1800 | | | 3 | 1 | 225.0 | 1.80 | 1.000 | 35.000 | 1.000< | 80.0 | 7.80 | 7.5 | 0.220 | 116.000 |
| 80 10 28 1100 | | | 3 | 1 | 215.0 | 1.60 | 1.100 | 28.000 | 2.000 | 76.0 | 7.90 | 7.7 | 0.350 | 101.000 |
| 80 11 24 1700 | | | 3 | 1 | 240.0 | 1.10 | 1.100 | 22.000 | 3.000 | 95.0 | 7.80 | 8.1 | 0.300 | 117.000 |
| MAXIMUM | | | | | 278.0 | 5.80 | 1.700 | 35.000 | 5 | 124 | 8.0 | 9.3 | 0.840 | 142.000 |
| ARITH MEAN | | | | | 225 | 1.9 | 0.9 | 15.2 | 2 L | 97 | 7.7 | 7.9 | 0.33 | 114 |
| GEOM MEAN | | | | | 222 | 1.7 | 0.8 | 12.2 | 2 L | 95 | 7.7 | 7.9 | 0.29 | 112 |
| MINIMUM | | | | | 131.0 | 0.85 | 0.2 | 3.0 | 1.000< | 53.0 | 7.4 | 7.5 | 0.14 | 64.000 |
| STD DEV | | | | | 37 | 1.3 | 0.3 | 10.1 | 1 L | 21 | 0.2 | 0.5 | 0.18 | 20 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 10 | 10 | 12 | 12 | 12 | 11 | 12 |

| TEST-NAME: | | | | | COLAP | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 01 08 1130 | | | 3 | 1 | 50.000 | 0.001< | 0.003 | 0.004 | 0.001< | 0.024 | 0.012 | 0.001 | 0.001 |
| 80 01 29 1630 | | | 3 | 1 | 60.000 | 0.001 | 0.006 | 0.002 | 0.001< | 0.110 | 0.030 | 0.004 | 0.001< |
| 80 02 26 1640 | | | 3 | 1 | 40.000 | 0.003 | 0.005 | 0.003 | 0.001 | 0.074 | 0.021 | 0.001< | 0.001< |
| 80 03 17 1650 | | | 3 | 1 | 40 | 0.002 | 0.007 | 0.003 | 0.001 | 0.071 | 0.018 | 0.001 | 0.001 |
| 80 04 28 1650 | | | 3 | 1 | 70.000> | 0.004 | 0.004 | 0.001< | 0.001 | 0.068 | 0.059 | 0.001 | 0.001 |
| 80 05 26 1730 | | | 3 | 1 | 68.000 | 0.001 | 0.006 | 0.003 | 0.002 | 0.060 | 0.029 | 0.002 | 0.001< |
| 80 06 23 1845 | | | 3 | 1 | 52.000 | 0.001< | 0.004 | 0.006 | 0.001 | 0.021 | 0.023 | 0.001 | 0.001< |
| 80 07 28 1655 | | | 3 | 1 | 42 | 0.001< | 0.001 | 0.003 | 0.001< | 0.003 | 0.015 | 0.002 | 0.001< |
| 80 08 25 1850 | | | 3 | 1 | 48 | 0.001< | 0.004 | 0.001 | 0.001< | 0.009 | 0.020 | 0.001 | 0.001< |
| 80 09 29 1800 | | | 3 | 1 | 82.000 | 0.001 | 0.004 | 0.005 | 0.001< | 0.019 | 0.019 | 0.009 | 0.001 |
| 80 10 28 1100 | | | 3 | 1 | 81.000 | 0.002 | 0.002 | 0.002 | 0.003 | 0.032 | 0.018 | 0.001 | 0.001 |
| 80 11 24 1700 | | | 3 | 1 | 70.000 | 0.001 | 0.003 | 0.007 | 0.001 | 0.053 | 0.026 | 0.001 | 0.001 |
| MAXIMUM | | | | | 82.000> | 0.004 | 0.007 | 0.007 | 0.003 | 0.110 | 0.059 | 0.009 | 0.001 |
| ARITH MEAN | | | | | 58 G | 0.002L | 0.004 | 0.003L | 0.001L | 0.045 | 0.024 | 0.002L | 0.001L |
| GEOM MEAN | | | | | 56 G | 0.001L | 0.004 | 0.003L | 0.001L | 0.032 | 0.022 | 0.002L | 0.001L |
| MINIMUM | | | | | 40.000 | 0.001< | 0.001 | 0.001< | 0.001< | 0.003 | 0.012 | 0.001< | 0.001< |
| STD DEV | | | | | 15 G | 0.001L | 0.002 | 0.002L | 0.001L | 0.032 | 0.012 | 0.002L | 0.000L |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

B O W / SITE **BLACK RIVER**
SAMPLE POINT **1 MI.BELOW OUTLET OF MOSE L.ONT.P&P RD.**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE SUPERIOR**
TERM STREAM **PIC RIVER**

STATION ID **01-0060-004-02**
STORET CODE **02**
**001**
**2280**

LAT LONG U T M **16 0591450.0 5443075.0 4** REGION **06** DISTANCE **131.963**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 08 0945 | | | 3 | 1 | 10510 | | 20 | 84 | 4< | 4 | 0.0 | 9.2 | 2.0 | 0.013 |
| 80 01 29 1745 | | | 3 | 1 | 10523 | 4 | 48 | 520 | 4< | 8 | 0.0 | 11.0 | 1.0 | 0.013 |
| 80 02 26 1805 | | | 3 | 1 | 10537 | 4 | 40 | 400 | 4 | 4< | 0.0 | 8.7 | 1.2 | 0.006 |
| 80 03 17 1820 | | | 3 | 1 | 10552 | 4 | 16 | 108 | 4< | 4< | 0.0 | 7.7 | 1.2 | 0.001 |
| 80 04 28 1745 | | | 3 | 1 | 10566 | 6 3 | 144 | 240 | 16 | | 2.0 | 10.0 | 0.8 | 0.018 |
| 80 05 26 1835 | | | 3 | 1 | 10588 | | 56C | 1200 | 4< | | 18.0 | 9.3 | 0.4 | 0.005 |
| 80 06 23 1950 | | | 3 | 1 | 10603 | | 32C | 1520 | 4< | | 21.0 | 7.8 | 0.8 | 0.016 |
| 80 08 25 1940 | | | 3 | 1 | 10634 | | 400I | 6100 | 20 | | 22.0 | 8.5 | 0.2 | 0.006 |
| 80 09 29 1850 | | | 3 | 1 | 10649 | | 350C | 4400 | 24 | | 6.5 | 10.6 | 0.4 | 0.012 |
| 80 10 28 1150 | | | 3 | 1 | 10664 | | 40I | 310 | 4 | | 1.0 | 10.6 | 0.8 | 0.006 |
| 80 11 24 1750 | | | 3 | 1 | 10677 | 4 | 28 | 100 | 4< | | 0.0 | 8.7 | 0.8 | 0.004 |
| MAXIMUM | | | | | | | 400 | 6100 | 24 | 8 | 22.0 | 11.0 | 2.0 | 0.018 |
| ARITH MEAN | | | | | | | 107 | 1362 | 8L | 5L | 6.4 | 9.3 | 0.9 | 0.009 |
| GEOM MEAN | | | | | | | 58 | 516 | 6L | 5L | 2.9 | 9.2 | 0.7 | 0.007 |
| MINIMUM | | | | | | | 16 | 84 | 4< | 4< | 0.0 | 7.7 | 0.2 | 0.001 |
| STD DEV | | | | | | | 137 | 2013 | 8L | 2L | 9.2 | 1.1 | 0.5 | 0.006 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 4 | 11 | 11 | 11 | 11 |

(CONTD)

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 08 0945 | | | .3 | 1 | 0.001 | 0.100 | 1.000 | 0.005 | 0.110 | 0.215 | 0.900 | 1.115 | 180.00 | 2.00 |
| 80 01 29 1745 | | | .3 | 1 | 0.001 | 0.13 | 0.61 | 0.006 | 0.17 | 0.306 | 0.480 | 0.786 | 150 | 1 |
| 80 02 26 1805 | | | .3 | 1 | 0.001< | 0.060 | 0.570 | 0.004 | 0.170 | 0.234 | 0.510 | 0.744 | 150.00 | 1.00 |
| 80 03 17 1820 | | | .3 | 1 | 0.001< | 0.100 | 0.720 | 0.004 | 0.220 | 0.324 | 0.620 | 0.944 | 160.00 | 1.00 |
| 80 04 28 1745 | | | .3 | 1 | 0.002 | 0.900 | 1.100 | 0.009 | 0.200 | 1.109 | 0.200 | 1.309 | 190.00 | 15.00 |
| 80 05 26 1835 | | | .3 | 1 | 0.002 | 0.780 | 1.300 | 0.007 | 0.160 | 0.947 | 0.520 | 1.467 | 95.00 | 4.00 |
| 80 06 23 1950 | | | .3 | 1 | 0.001< | 0.120 | 1.700 | 0.009 | 0.350 | 0.479 | 1.580 | 2.059 | 250.00 | 3.00 |
| 80 08 25 1940 | | | .3 | 1 | 0.005 | 1.4 | 2.4 | 0.013 | 0.63 | 2.043 | 1.000 | 3.043 | 370 | 2 |
| 80 09 29 1850 | | | .3 | 1 | 0.001 | 1.100 | 1.500 | 0.009 | 0.320 | 1.429 | 0.400 | 1.829 | 280.00 | 5.0 |
| 80 10 28 1150 | | | .3 | 1 | 0.001< | 0.420 | 0.870 | 0.005 | 0.150 | 0.575 | 0.450 | 1.025 | 220.00 | 1.00 |
| 80 11 24 1750 | | | .3 | 1 | 0.001< | 0.130 | 0.520 | 0.004 | 0.100 | 0.234 | 0.390 | 0.624 | 140.00 | 2.00 |
| MAXIMUM | | | | | 0.005 | 1.4 | 2.4 | 0.013 | 0.63 | 2.043 | 1.580 | 3.043 | 370 | 15.00 |
| ARITH MEAN | | | | | 0.002L | 0.4 | 1.1 | 0.007 | 0.23 | 0.718 | 0.641 | 1.359 | 198 | 3 |
| GEOM MEAN | | | | | 0.001L | 0.2 | 0.9 | 0.006 | 0.20 | 0.533 | 0.566 | 1.217 | 186 | 2 |
| MINIMUM | | | | | 0.001< | 0.060 | 0.520 | 0.004 | 0.100 | 0.215 | 0.200 | 0.624 | 95.00 | 1 |
| STD DEV | | | | | 0.001L | 0.4 | 0.5 | 0.003 | 0.16 | 0.599 | 0.386 | 0.718 | 77 | 4 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | SSO4UR | ACDT | ALKT | PH | FWPH | FEUT | HARDT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 |
| 80 01 08 0945 | | | .3 | 1 | 185.0 | 0.90 | 0.800 | 6.900 | 6.000 | 83 | 7.10 | 6.8 | 0.530 | 92.000 |
| 80 01 29 1745 | | | .3 | 1 | 221 | 1.0 | 1.7 | 13 | 6 | 95 | 7.1 | 7.4 | 0.700 | 111 |
| 80 02 26 1805 | | | .3 | 1 | 210.0 | 0.85 | 0.700 | 5.100 | 5.000 | 101.0 | 7.20 | 7.4 | 0.42 | 106.000 |
| 80 03 17 1820 | | | .3 | 1 | 225.0 | 1.10 | 0.900 | 5.400 | 7.000 | 107.0 | 7.20 | 7.1 | 0.530 | 112.000 |
| 80 04 28 1745 | | | .3 | 1 | 220.0 | 5.40 | 1.800 | 52.000 | 4.000 | 43.0 | 7.00 | 7.0 | 0.980 | 93.000 |
| 80 05 26 1835 | | | .3 | 1 | 235.0 | 2.10 | 1.700 | 55.000 | 2.000 | 49.0 | 7.60 | 7.65 | 0.600 | 106.000 |
| 80 06 23 1950 | | | .3 | 1 | 365.0 | 2.10 | 2.500 | 104.000 | 4.000 | 55.0 | 7.70 | 8.9 | 0.510 | 162.000 |
| 80 08 25 1940 | | | .3 | 1 | 470 | 0.90 | 2.7 | 130 | 2 | 62 | 7.6 | 7.4 | 0.13 | 218 |
| 80 09 29 1850 | | | .3 | 1 | 370.0 | 3.90 | 3.100 | 101.000 | 2.000 | 73.0 | 7.50 | 7.4 | 0.400 | 176.000 |
| 80 10 28 1150 | | | .3 | 1 | 240.0 | 1.30 | 1.800 | 45.000 | 2.000 | 64.0 | 7.60 | 7.3 | 0.600 | 110.000 |
| 80 11 24 1750 | | | .3 | 1 | 200.0 | 1.40 | 1.200 | 21.000 | 4.000 | 74.0 | 7.30 | 7.8 | 0.850 | 97.000 |
| MAXIMUM | | | | | 470 | 5.40 | 3.100 | 130 | 7.000 | 107.0 | 7.70 | 8.9 | 0.980 | 218 |
| ARITH MEAN | | | | | 267 | 1.9 | 1.7 | 48 | 4 | 73 | 7.3 | 7.4 | 0.56 | 126 |
| GEOM MEAN | | | | | 255 | 1.5 | 1.5 | 28 | 3 | 70 | 7.3 | 7.4 | 0.51 | 120 |
| MINIMUM | | | | | 185.0 | 0.85 | 0.700 | 5.100 | 2.000 | 43.0 | 7.00 | 6.8 | 0.13 | 92.000 |
| STD DEV | | | | | 91 | 1.4 | 0.7 | 44 | 1 | 21 | 0.2 | 0.5 | 0.22 | 41 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | COLAP | ASUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI |
| 80 01 08 0945 | | | .3 | 1 | 70.000 | 0.001< | 0.090 | 0.001< | 0.005 | 0.003 | 0.001< | 0.069 | 0.034 | 0.001 |
| 80 01 29 1745 | | | .3 | 1 | 70 | 0.001< | | 0.001 | 0.004 | 0.001 | 0.001< | 0.130 | 0.061 | 0.001< |
| 80 02 26 1805 | | | .3 | 1 | 60.000 | 0.001< | | 0.006 | 0.002 | 0.004 | 0.001 | 0.044 | 0.050 | 0.001< |
| 80 03 17 1820 | | | .3 | 1 | 70.000 | 0.001 | | 0.001 | 0.006 | 0.004 | 0.001< | 0.061 | 0.042 | 0.001 |
| 80 04 28 1745 | | | .3 | 1 | 70.000> | 0.004 | | 0.002 | 0.014 | 0.002 | 0.002 | 0.400 | 0.110 | 0.002 |
| 80 05 26 1835 | | | .3 | 1 | 77.000 | 0.001< | | 0.001< | 0.008 | 0.004 | 0.002 | 0.210 | 0.028 | 0.001< |
| 80 06 23 1950 | | | .3 | 1 | 62.000 | 0.001 | | 0.001 | 0.008 | 0.005 | 0.001 | 0.200 | 0.037 | 0.001< |
| 80 08 25 1940 | | | .3 | 1 | 61 | 0.001< | | 0.001< | 0.008 | 0.005 | 0.001 | 0.24 | 0.027 | 0.002 |
| 80 09 29 1850 | | | .3 | 1 | 67.000 | 0.001< | | 0.004 | 0.008 | 0.008 | 0.001< | 0.160 | 0.030 | 0.012 |
| 80 10 28 1150 | | | .3 | 1 | 104.000 | 0.002 | | 0.002 | 0.006 | 0.004 | 0.001 | 0.220 | 0.019 | 0.002 |
| 80 11 24 1750 | | | .3 | 1 | 82.000 | 0.001< | | 0.009 | 0.010 | 0.007 | 0.001 | 0.240 | 0.036 | 0.001 |
| MAXIMUM | | | | | 104.000> | 0.004 | 0.090 | 0.009 | 0.014 | 0.008 | 0.002 | 0.400 | 0.110 | 0.012 |
| ARITH MEAN | | | | | 72 G | 0.001L | 0.090 | 0.003L | 0.007 | 0.004 | 0.001L | 0.17 | 0.043 | 0.002L |
| GEOM MEAN | | | | | 71 G | 0.001L | | 0.002L | 0.006 | 0.004 | 0.001L | 0.14 | 0.038 | 0.002L |
| MINIMUM | | | | | 60.000 | 0.001< | 0.090 | 0.001< | 0.002 | 0.001 | 0.001< | 0.044 | 0.019 | 0.001< |
| STD DEV | | | | | 12 G | 0.001L | | 0.003L | 0.003 | 0.002 | 0.000L | 0.10 | 0.026 | 0.003L |
| NO OF SAMPLES | | | | | 11 | 11 | 1 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | COUT |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COBALT UNF.TOT. MG/L AS CO |
| 80 01 08 0945 | | | .3 | 1 | 0.001 |
| 80 01 29 1745 | | | .3 | 1 | 0.001 |
| 80 02 26 1805 | | | .3 | 1 | 0.001< |
| 80 03 17 1820 | | | .3 | 1 | 0.001< |
| 80 04 28 1745 | | | .3 | 1 | 0.001 |
| 80 05 26 1835 | | | .3 | 1 | 0.001< |
| 80 06 23 1950 | | | .3 | 1 | 0.001< |
| 80 08 25 1940 | | | .3 | 1 | 0.001< |
| 80 09 29 1850 | | | .3 | 1 | 0.002 |
| 80 10 28 1150 | | | .3 | 1 | 0.001< |
| 80 11 24 1750 | | | .3 | 1 | 0.001< |
| MAXIMUM | | | | | 0.002 |
| ARITH MEAN | | | | | 0.001L |
| GEOM MEAN | | | | | 0.001L |
| MINIMUM | | | | | 0.001< |
| STD DEV | | | | | 0.000L |
| NO OF SAMPLES | | | | | 11 |

B O W / SITE: **FOX CREEK**
SAMPLE POINT: **AT HIGHWAY NO.614 MANITOUWADGE LAKE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **PIC RIVER**

STATION ID **01-0080-005-02**
STORET CODE: **02**
**001**
**2280**

LAT: LONG: U T M: **16 0587900.0 5442725.0 4** REGION: **06** DISTANCE: **138.851**

| | | | | TEST-NAME: | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 08 0930 | | | .3 | 1 | 10509 | | 48 | 192 | 20 | 52 | 0.0 | 10.1 | 0.4 | 0.010 |
| 80 01 29 1820 | | | .3 | 1 | 10522 | 4 | 24 | 84 | 4 | 24 | 0.0 | 9.6 | 0.2 | 0.005 |
| 80 02 26 1820 | | | .3 | 1 | 10536 | 4 | 4< | 20 | 4< | 4< | 0.5 | 9.2 | 0.6 | 0.004 |
| 80 03 17 1835 | | | .3 | 1 | 10551 | 4 | 4< | 24 | 4< | 4< | 0.0 | 10.4 | 0.4 | 0.006 |
| 80 04 28 1755 | | | .3 | 1 | 10565 | 3 6 | 64 | 400 | 8 | | 2.0 | 10.8 | 0.6 | 0.015 |
| 80 05 26 1815 | | | .3 | 1 | 10587 | | 210 | 1060 | 8 | | 15.0 | 9.7 | 0.2 | 0.002 |
| 80 06 23 2020 | | | .3 | 1 | 10602 | | 230C | 2900 | 4 | | 21.1 | 9.2 | 1.0 | 0.013 |
| 80 07 28 1745 | | | .3 | 1 | 10617 | | 70I | 2310 | 4 | | 22.0 | 6.7 | 0.8 | 0.003 |
| 80 08 25 1955 | | | .3 | 1 | 10632 | | 80 | 1000 | 12 | | 21.0 | 8.3 | 0.2 | 0.022 |
| 80 09 29 1910 | | | .3 | 1 | 10647 | | 150 | 890 | 20 | | 8.0 | 10.5 | 0.4 | 0.008 |
| 80 10 28 1210 | | | .3 | 1 | 10662 | | 120 | 356 | 16 | | 1.0 | 10.8 | 0.4 | 0.003 |
| 80 11 24 1810 | | | .3 | 1 | 10678 | | 188 | 196 | 136 | | 1.0 | 9.5 | 0.8 | 0.007 |
| MAXIMUM | | | | | | | 230 | 2900 | 136 | 52 | 22.0 | 10.8 | 1.0 | 0.022 |
| ARITH MEAN | | | | | | | 99L | 788 | 20L | 21L | 7.6 | 9.6 | 0.5 | 0.008 |
| GEOM MEAN | | | | | | | 67L | 325 | 10L | 12L | 3.2 | 9.5 | 0.4 | 0.006 |
| MINIMUM | | | | | | | 4< | 20 | 4< | 4< | 0.0 | 6.7 | 0.2 | 0.002 |
| STD DEV | | | | | | | 79L | 935 | 37L | 23L | 9.4 | 1.2 | 0.3 | 0.006 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 4 | 12 | 12 | 12 | 12 |

| | | | | TEST-NAME: | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 08 0930 | | | .3 | 1 | 0.001 | 0.240 | 0.720 | 0.009 | 0.150 | 0.399 | 0.480 | 0.879 | 250.00 | 3.00 |
| 80 01 29 1820 | | | .3 | 1 | 0.001 | 0.19 | 0.62 | 0.009 | 0.16 | 0.359 | 0.430 | 0.789 | 200 | 1 |
| 80 02 26 1820 | | | .3 | 1 | 0.001 | 0.100 | 0.530 | 0.010 | 0.010 | 0.120 | 0.430 | 0.550 | 190.00 | 1.00 |
| 80 03 17 1835 | | | .3 | 1 | 0.001 | 0.090 | 0.510 | 0.016 | 0.016 | 0.122 | 0.420 | 0.542 | 220.00 | 1.00< |
| 80 04 28 1755 | | | .3 | 1 | 0.002 | 0.030 | 0.360 | 0.006 | 0.130 | 0.166 | 0.330 | 0.496 | 75.00 | 7.00 |
| 80 05 26 1815 | | | .3 | 1 | 0.001 | 0.050 | 0.370 | 0.004 | 0.160 | 0.214 | 0.320 | 0.534 | 170.00 | 3.00 |
| 80 06 23 2020 | | | .3 | 1 | | | 0.410 | | | | | | 160.00 | 3.00 |
| 80 07 28 1745 | | | .3 | 1 | 0.001< | 0.02 | 0.45 | 0.004 | 0.09 | 0.114 | 0.430 | 0.544 | 210 | 3 |
| 80 08 25 1955 | | | .3 | 1 | 0.002 | 0.03 | 0.37 | 0.004 | 0.09 | 0.124 | 0.340 | 0.464 | 220 | 2 |
| 80 09 29 1910 | | | .3 | 1 | 0.001< | 0.070 | 0.460 | 0.005 | 0.100 | 0.175 | 0.390 | 0.565 | 200.00 | 5.00 |
| 80 10 28 1210 | | | .3 | 1 | 0.001< | 0.090 | 0.550 | 0.006 | 0.120 | 0.216 | 0.460 | 0.676 | 200.00 | 2.00 |
| 80 11 24 1810 | | | .3 | 1 | 0.001< | 0.150 | 0.560 | 0.006 | 0.130 | 0.286 | 0.410 | 0.696 | 200.00 | 2.00 |
| MAXIMUM | | | | | 0.002 | 0.240 | 0.720 | 0.016 | 0.160 | 0.399 | 0.480 | 0.879 | 250.00 | 7.00 |
| ARITH MEAN | | | | | 0.001L | 0.09 | 0.49 | 0.007 | 0.10 | 0.209 | 0.404 | 0.612 | 191 | 2 L |
| GEOM MEAN | | | | | 0.001L | 0.07 | 0.48 | 0.007 | 0.08 | 0.190 | 0.400 | 0.601 | 184 | 2 L |
| MINIMUM | | | | | 0.001< | 0.02 | 0.360 | 0.004 | 0.010 | 0.114 | 0.320 | 0.464 | 75.00 | 1 < |
| STD DEV | | | | | 0.000L | 0.07 | 0.11 | 0.004 | 0.05 | 0.100 | 0.053 | 0.131 | 43 | 1 L |
| NO OF SAMPLES | | | | | 11 | 11 | 12 | 11 | 11 | 11 | 11 | 11 | 12 | 12 |

| | | | | TEST-NAME: | COND25 | TURB | CLIDUR | SSO4UR | ACDT | ALKT | PH | FWPH | FEUT | HARDT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 |
| 80 01 08 0930 | | | .3 | 1 | 277.0 | 3.40 | 2.100 | 63.000 | 10.000 | 66 | 6.80 | 8.0 | 5.700 | 133.000 |
| 80 01 29 1820 | | | .3 | 1 | 258 | 2.3 | 2.3 | 47 | 9 | 65 | 6.9 | 7.3 | 3.100 | 120 |
| 80 02 26 1820 | | | .3 | 1 | 265.0 | 1.90 | 2.800 | 50.000 | 5.000 | 70.0 | 7.00 | 7.6 | 1.8 | 121.000 |
| 80 03 17 1835 | | | .3 | 1 | 273.0 | 2.10 | 2.900 | 56.000 | 3.000 | 68.0 | 7.10 | 7.5 | 1.700 | 125.000 |
| 80 04 28 1755 | | | .3 | 1 | 145.0 | 2.70 | 1.400 | 25.000 | 5.000 | 40.0 | 7.00 | 7.3 | 1.200 | 64.000 |
| 80 05 26 1815 | | | .3 | 1 | 230.0 | 2.10 | 2.800 | 49.000 | 2.000 | 52.0 | 7.30 | 7.5 | 2.200 | 106.000 |
| 80 06 23 2020 | | | .3 | 1 | 235.0 | 2.70 | 2.600 | | 2.000 | 62.0 | 7.80 | 9.09 | 1.500 | 108.000 |
| 80 07 28 1745 | | | .3 | 1 | 260 | 2.9 | 3.0 | 55 | 2 | 62 | 7.8 | 8.1 | 2.000 | 120 |
| 80 08 25 1955 | | | .3 | 1 | 280 | 2.7 | 3.1 | 61 | 2 | 65 | 7.7 | 7.6 | 1.5 | 136 |
| 80 09 29 1910 | | | .3 | 1 | 260.0 | 3.30 | 2.400 | 62.000 | 2.000 | 64.0 | 7.50 | 7.3 | 2.100 | 124.000 |
| 80 10 28 1210 | | | .3 | 1 | 215.0 | 2.70 | 1.600 | 43.000 | 2.000 | 54.0 | 7.30 | 7.1 | 1.900 | 101.000 |
| 80 11 24 1810 | | | .3 | 1 | 260.0 | 4.90 | 2.200 | 57.000 | 8.000 | 61.0 | 7.00 | 7.5 | 3.100 | 121.000 |
| MAXIMUM | | | | | 280 | 4.90 | 3.1 | 63.000 | 10.000 | 70.0 | 7.8 | 9.09 | 5.700 | 136 |
| ARITH MEAN | | | | | 246 | 2.8 | 2.4 | 51 | 4 | 60 | 7.2 | 7.6 | 2.3 | 114 |
| GEOM MEAN | | | | | 243 | 2.7 | 2.3 | 50 | 3 | 60 | 7.2 | 7.6 | 2.1 | 113 |
| MINIMUM | | | | | 145.0 | 1.90 | 1.400 | 25.000 | 2.000 | 40.0 | 6.80 | 7.1 | 1.200 | 64.000 |
| STD DEV | | | | | 37 | 0.8 | 0.5 | 10 | 3 | 8 | 0.3 | 0.5 | 1.2 | 19 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 11 | 12 | 12 | 12 | 12 | 12 | 12 |

| | | | | TEST-NAME: | COLAP | ASUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 01 08 0930 | | | .3 | 1 | 70.000> | | 0.007 | 0.021 | 0.007 | 0.002 | 0.75 | 0.180 | 0.002 | 0.002 |
| 80 01 29 1820 | | | .3 | 1 | 70 > | | 0.002 | 0.029 | 0.004 | 0.002 | 0.900 | 0.150 | 0.005 | 0.002 |
| 80 02 26 1820 | | | .3 | 1 | 70.000> | | 0.004 | 0.018 | 0.001 | 0.002 | 0.69 | 0.11 | 0.001< | 0.001< |
| 80 03 17 1835 | | | .3 | 1 | 70.000> | 0.001< | 0.003 | 0.021 | 0.001< | 0.001 | 0.620 | 0.070 | 0.003 | 0.001< |
| 80 04 28 1755 | | | .3 | 1 | 70.000> | | 0.003 | 0.034 | 0.001 | 0.002 | 0.470 | 0.079 | 0.003 | 0.002 |
| 80 05 26 1815 | | | .3 | 1 | 103.000 | 0.001 | 0.004 | 0.010 | 0.008 | 0.002 | 0.520 | 0.100 | 0.001 | 0.001 |
| 80 06 23 2020 | | | .3 | 1 | 96.000 | | 0.001< | 0.013 | 0.005 | 0.001 | 0.250 | 0.025 | 0.001< | 0.001< |
| 80 07 28 1745 | | | .3 | 1 | 82 | 0.001< | 0.001< | 0.012 | 0.002 | 0.001< | 0.380 | 0.030 | 0.003 | 0.001< |
| 80 08 25 1955 | | | .3 | 1 | 77 | | 0.001< | 0.012 | 0.001< | 0.001 | 0.34 | 0.031 | 0.001< | 0.001< |
| 80 09 29 1910 | | | .3 | 1 | 119.000 | | 0.001< | 0.019 | 0.005 | 0.001< | 0.380 | 0.057 | 0.007 | 0.001< |
| 80 10 28 1210 | | | .3 | 1 | 144.000 | | 0.003 | 0.027 | 0.003 | 0.002 | 0.690 | 0.099 | 0.004 | 0.001 |
| 80 11 24 1810 | | | .3 | 1 | 145.000 | | 0.005 | 0.017 | 0.007 | 0.003 | 1.400 | 0.150 | 0.004 | 0.001 |
| MAXIMUM | | | | | 146.000> | 0.001 | 0.007 | 0.034 | 0.008 | 0.003 | 1.400 | 0.180 | 0.007 | 0.002 |
| ARITH MEAN | | | | | 93 G | 0.001L | 0.003L | 0.019 | 0.004L | 0.002L | 0.61 | 0.09 | 0.003L | 0.001L |
| GEOM MEAN | | | | | 89 G | 0.001L | 0.002L | 0.018 | 0.003L | 0.002L | 0.56 | 0.07 | 0.002L | 0.001L |
| MINIMUM | | | | | 70.000 | 0.001< | 0.001< | 0.010 | 0.001< | 0.001< | 0.250 | 0.026 | 0.001< | 0.001< |
| STD DEV | | | | | 28 G | 0.000L | 0.002L | 0.007 | 0.003L | 0.001L | 0.31 | 0.06 | 0.002L | 0.000L |
| NO OF SAMPLES | | | | | 12 | 3 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

B.O.W./ SITE: **BLACK RIVER**
SAMPLE POINT: **ABOVE MOSE LAKE ON ONT.P&P ROAD**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **PIC RIVER**

STATION ID: **01-0080-006-02**

STORET CODE: **02**
**001**
**2200**

LAT:
LONG:
U T M: **16 0591900.0 5443750.0 4**
REGION: **08**
DISTANCE: **133.250**

| | | | TEST-NAME: | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 08 1000 | | | .3 | 1 | 10508 | | 8 | 100 | 4< | 4 | 0.0 | 9.6 | 0.2 | 0.010 |
| 80 01 29 1800 | | | .3 | 1 | 10521 | | 28 | 80 | 4 | 4 | 0.0 | 8.8 | 0.2 | 0.003 |
| 80 02 26 1750 | | | .3 | 1 | 10535 | 4 | 32 | 108 | 16 | 4 | 0.0 | 8.2 | 0.8 | 0.001< |
| 80 03 17 1810 | | | .3 | 1 | 10550 | | 48 | 144 | 8 | 4< | 0.0 | 8.4 | 0.4 | 0.001 |
| 80 04 28 1730 | | | .3 | 1 | 10564 | 3 6 | 96 | 320 | 4 | | 5.0 | 11.0 | 0.6 | 0.031 |
| 80 05 26 1830 | | | .3 | 1 | 10586 | | 120C | 2400 | 36 | | 15.8 | 8.9 | 0.4 | 0.010 |
| 80 06 23 1940 | | | .3 | 1 | 10601 | | 130 | 1030 | 4< | | 20.0 | 8.7 | 0.4 | 0.020 |
| 80 07 28 1800 | | | .3 | 1 | 10616 | 0 9 | 2200 | 3800 | 4 | | 19.0 | 7.8 | 1.0 | 0.017 |
| 80 08 25 1930 | | | .3 | 1 | 10633 | 0 | 500I | 3800 | 8 | | 23.0 | 6.7 | 0.2 | 0.017 |
| 80 09 29 1345 | | | .3 | 1 | 10648 | | 190 | 3100 | 12 | | 6.0 | 9.8 | 0.4 | 0.011 |
| 80 10 28 1140 | | | .3 | 1 | 10663 | | 48 | 564 | 8 | | 0.0 | 11.6 | 0.6 | 0.005 |
| 80 11 24 1740 | | | .3 | 1 | 10676 | 4 | 48 | 228 | 4 | | 0.0 | 9.0 | 0.8 | 0.002 |
| **MAXIMUM** | | | | | | | **2200** | **3800** | **36** | **4** | **23.0** | **11.6** | **1.0** | **0.031** |
| **ARITH MEAN** | | | | | | | **287** | **1306** | **9L** | **4L** | **7.4** | **9.0** | **0.5** | **0.011L** |
| **GEOM MEAN** | | | | | | | **89** | **636** | **7L** | **4L** | **3.6** | **9.0** | **0.4** | **0.007L** |
| **MINIMUM** | | | | | | | **8** | **80** | **4<** | **4<** | **0.0** | **6.7** | **0.2** | **0.001<** |
| **STD DEV** | | | | | | | **617** | **1518** | **9L** | **0L** | **9.3** | **1.3** | **0.3** | **0.009L** |
| **NO OF SAMPLES** | | | | | | | **12** | **12** | **12** | **4** | **12** | **12** | **12** | **12** |

| | | | TEST-NAME: | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 08 1000 | | | .3 | 1 | 0.001 | 0.060 | 0.620 | 0.003 | 0.100 | 0.163 | 0.560 | 0.723 | 150.00 | 3.00 |
| 80 01 29 1800 | | | .3 | 1 | 0.001 | 0.07 | 0.49 | 0.004 | 0.13 | 0.204 | 0.420 | 0.624 | 130 | 1 |
| 80 02 26 1750 | | | .3 | 1 | 0.001< | 0.050 | 0.450 | 0.003 | 0.180 | 0.233 | 0.400 | 0.633 | 180.00 | 1.00 |
| 80 03 17 1810 | | | .3 | 1 | 0.001 | 0.050 | 0.480 | 0.002 | 0.180 | 0.232 | 0.430 | 0.662 | 160.00 | 1.00 |
| 80 04 28 1730 | | | .3 | 1 | 0.006 | 0.030 | 0.410 | 0.005 | 0.070 | 0.105 | 0.380 | 0.485 | 95.00 | 1.00 |
| 80 05 26 1830 | | | .3 | 1 | 0.002 | 0.010< | 0.410 | 0.003 | 0.010 | 0.023 | 0.400 | 0.423 | 130.00 | 5.00 |
| 80 06 23 1940 | | | .3 | 1 | 0.001< | 0.010 | 0.500 | 0.003 | 0.010< | 0.023 | 0.490 | 0.513 | 110.00 | 65.00 |
| 80 07 28 1800 | | | .3 | 1 | 0.001 | 0.01 < | 0.62 | 0.005 | 0.01 < | 0.025 | 0.610 | 0.635 | 140 | 4 |
| 80 08 25 1930 | | | .3 | 1 | 0.003 | 0.03 | 0.42 | 0.004 | 0.03 | 0.064 | 0.390 | 0.454 | 160 | 4 |
| 80 09 29 1345 | | | .3 | 1 | 0.001 | 0.010< | 0.450 | 0.004 | 0.010 | 0.024 | 0.440 | 0.464 | 130.00 | 2.00 |
| 80 10 28 1140 | | | .3 | 1 | 0.001< | 0.010 | 0.450 | 0.004 | 0.050 | 0.064 | 0.440 | 0.504 | 110.00 | 1.00 |
| 80 11 24 1740 | | | .3 | 1 | 0.001< | 0.050 | 0.410 | 0.003 | 0.070 | 0.123 | 0.360 | 0 483 | 120.00 | 1.00 |
| **MAXIMUM** | | | | | **0.006** | **0.07** | **0.62** | **0.005** | **0.180** | **0.233** | **0.610** | **0.723** | **180.00** | **65.00** |
| **ARITH MEAN** | | | | | **0.002L** | **0.03 L** | **0.47** | **0.004** | **0.07 L** | **0.107** | **0.443** | **0.560** | **134** | **7** |
| **GEOM MEAN** | | | | | **0.001L** | **0.02 L** | **0.47** | **0.003** | **0.04 L** | **0.076** | **0.438** | **0.542** | **132** | **2** |
| **MINIMUM** | | | | | **0.001<** | **0.010<** | **0.410** | **0.002** | **0.010<** | **0.023** | **0.360** | **0.423** | **95.00** | **1** |
| **STD DEV** | | | | | **0.001L** | **0.02 L** | **0.07** | **0.001** | **0.06 L** | **0.063** | **0.076** | **0.099** | **24** | **18** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| | | | TEST-NAME: | | COND25 | TURB | CLIDUR | SSO4UR | ACDT | ALKT | PH | FWPH | FEUT | HARDT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 |
| 80 01 08 1000 | | | .3 | 1 | 185.0 | 0.75 | 0.700 | 3.800 | 6.000 | 88 | 7.20 | 7.5 | 0.310 | 92.000 |
| 80 01 29 1800 | | | .3 | 1 | 195 | 0.75 | 0.6 | 3.4 | 9 | 94 | 7.1 | 7.4 | 0.260 | 100 |
| 80 02 26 1750 | | | .3 | 1 | 221.0 | 0.75 | 0.500 | 2.500 | 8.000 | 110.0 | 7.10 | 7.6 | 0.33 | 115.000 |
| 80 03 17 1810 | | | .3 | 1 | 218.0 | 0.70 | 0.500 | 2.700 | 5.000 | 109.0 | 7.10 | 0.75 | 0.370 | 112.000 |
| 80 04 28 1730 | | | .3 | 1 | 90.0 | 0.75 | 0.200 | 2.100 | 4.000 | 40.0 | 7.30 | 7.4 | 0.130 | 42.000 |
| 80 05 26 1830 | | | .3 | 1 | 140.0 | 2.30 | 0.300 | 2.200 | 2.000 | 68.0 | 7.60 | 7.7 | 0.370 | 71.000 |
| 80 06 23 1940 | | | .3 | 1 | 172.0 | 3.50 | 0.300 | 2.000 | 5.000 | 86.0 | 7.70 | 9.05 | 0.390 | 90.000 |
| 80 07 28 1800 | | | .3 | 1 | 180 | 2.9 | 0.4 | 3.5 | 3 | 88 | 7.6 | 7.9 | 1.200 | 92 |
| 80 08 25 1930 | | | .3 | 1 | 190 | 2.3 | 0.3 | 3 | 4 | 93 | 7.5 | 7.3 | 0.68 | 102 |
| 80 09 29 1345 | | | .3 | 1 | 144.0 | 0.90 | 0.300 | 2.400 | 3.000 | 71.0 | 7.40 | 7.4 | 0.200 | 78.000 |
| 80 10 28 1140 | | | .3 | 1 | 131.0 | 0.65 | 0.470 | 2.000 | 2.000 | 63.0 | 7.50 | 7.3 | 0.250 | 69.000 |
| 80 11 24 1740 | | | .3 | 1 | 170.0 | 0.60 | 0.400 | 3.600 | 6.000 | 83.0 | 7.40 | 7.8 | 0.200 | 87.000 |
| **MAXIMUM** | | | | | **221.0** | **3.50** | **0.700** | **3.800** | **9** | **110.0** | **7.70** | **9.05** | **1.200** | **115.000** |
| **ARITH MEAN** | | | | | **169** | **1.4** | **0.4** | **2** | **4** | **82** | **7.3** | **7.0** | **0.39** | **87** |
| **GEOM MEAN** | | | | | **166** | **1.1** | **0.3** | **2** | **4** | **80** | **7.3** | **6.3** | **0.32** | **84** |
| **MINIMUM** | | | | | **90.0** | **0.60** | **0.200** | **2.000** | **2.000** | **40.0** | **7.1** | **0.75** | **0.130** | **42.000** |
| **STD DEV** | | | | | **37** | **1.0** | **0.1** | **0** | **2** | **19** | **0.2** | **2.0** | **0.29** | **20** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| | | | TEST-NAME: | | COLAP | ASUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI |
| 80 01 08 1000 | | | .3 | 1 | 60.000 | 0.001< | 0.082 | 0.001 | 0.003 | 0.005 | 0.001< | 0.001 | 0.012 | 0.002 |
| 80 01 29 1800 | | | .3 | 1 | 50 | 0.001< | | 0.001< | 0.002 | 0.001 | 0.001< | 0.003 | 0.017 | 0.002 |
| 80 02 26 1750 | | | .3 | 1 | 50.000 | 0.001< | | 0.002 | 0.001< | 0.002 | 0.001< | 0.004 | 0.012 | 0.001< |
| 80 03 17 1810 | | | .3 | 1 | 60.000 | | | 0.001 | 0.001 | 0.005 | 0.001< | 0.002 | 0.014 | 0.001< |
| 80 04 28 1730 | | | .3 | 1 | 70.000> | 0.003 | | 0.001< | 0.001< | 0.001 | 0.001 | 0.004 | 0.009 | 0.001 |
| 80 05 26 1830 | | | .3 | 1 | 83.000 | 0.002 | | 0.001< | 0.005 | 0.004 | 0.001 | 0.003 | 0.019 | 0.001< |
| 80 06 23 1940 | | | .3 | 1 | 81.000 | 0.001< | | 0.001 | 0.002 | 0.004 | 0.001 | 0.001< | 0.025 | 0.001 |
| 80 07 28 1800 | | | .3 | 1 | 103 | 0.002 | | 0.001< | 0.001< | 0.001< | 0.001< | 0.005 | 0.034 | 0.004 |
| 80 08 25 1930 | | | .3 | 1 | 99 | 0.001< | | 0.001< | 0.001< | 0.001< | 0.001< | 0.003 | 0.026 | 0.001< |
| 80 09 29 1345 | | | .3 | 1 | 111.000 | 0.002 | | 0.001< | 0.004 | 0.001< | 0.001< | 0.003 | 0.012 | 0.009 |
| 80 10 28 1140 | | | .3 | 1 | 103.000 | 0.001< | | 0.001 | 0.001< | 0.002 | 0.001< | 0.001 | 0.008 | 0.001 |
| 80 11 24 1740 | | | .3 | 1 | 61.000 | 0.001< | | 0.001< | 0.001 | 0.002 | 0.001 | 0.003 | 0.015 | 0.001< |
| **MAXIMUM** | | | | | **111.000>** | **0.003** | **0.082** | **0.002** | **0.006** | **0.005** | **0.001** | **0.005** | **0.034** | **0.009** |
| **ARITH MEAN** | | | | | **77 G** | **0.001L** | **0.082** | **0.001L** | **0.002L** | **0.002L** | **0.001L** | **0.003L** | **0.017** | **0.002L** |
| **GEOM MEAN** | | | | | **74 G** | **0.001L** | | **0.001L** | **0.002L** | **0.002L** | **0.001L** | **0.002L** | **0.015** | **0.002L** |
| **MINIMUM** | | | | | **60** | **0.001<** | **0.082** | **0.001<** | **0.001<** | **0.001<** | **0.001<** | **0.001<** | **0.008** | **0.001<** |
| **STD DEV** | | | | | **22 G** | **0.001L** | | **0.000L** | **0.001L** | **0.002L** | **0.000L** | **0.001L** | **0.008** | **0.002L** |
| **NO OF SAMPLES** | | | | | **12** | **11** | **1** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

(CONTD)

B.O.W./ SITE: **BLACK RIVER**
SAMPLE POINT: **ABOVE MOSE LAKE ON ONT.P&P ROAD**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **PIC RIVER**

STATION ID: **01-0060-006-02**
STORET CODE: **02**
**001**
**2280**

LAT: LONG: U T M: **16 0591900.0 5443750.0 4** REGION: **06** DISTANCE: **133.250**

| TEST-NAME: | | | | | COUT |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COBALT UNF.TOT. MG/L AS CO |
| 80 01 08 1000 | | | .3 | 1 | 0.001< |
| 80 01 29 1800 | | | .3 | 1 | 0.002 |
| 80 02 26 1750 | | | .3 | 1 | 0.001< |
| 80 03 17 1810 | | | .3 | 1 | 0.001 |
| 80 04 28 1730 | | | .3 | 1 | 0.001 |
| 80 05 26 1830 | | | .3 | 1 | 0.001 |
| 80 06 23 1940 | | | .3 | 1 | 0.001 |
| 80 07 28 1800 | | | .3 | 1 | 0.001< |
| 80 08 25 1930 | | | .3 | 1 | 0.001 |
| 80 09 29 1345 | | | .3 | 1 | 0.001< |
| 80 10 28 1140 | | | .3 | 1 | 0.001< |
| 80 11 24 1740 | | | .3 | 1 | 0.001< |
| **MAXIMUM** | | | | | **0.002** |
| **ARITH MEAN** | | | | | **0.001L** |
| **GEOM MEAN** | | | | | **0.001L** |
| **MINIMUM** | | | | | **0.001<** |
| **STD DEV** | | | | | **0.000L** |
| **NO OF SAMPLES** | | | | | **12** |

B.O.W./ SITE: **RUDDER CREEK**
SAMPLE POINT: **3 MI.W.OF HWY.614 ON AMERICAN CAN ROAD**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **PIC RIVER**

STATION ID: **01-0060-007-02**
STORET CODE: **02**
**001**
**2280**

LAT: LONG: U T M: **16 0579750.0 5440800.0 0** REGION: **06** DISTANCE: **96.742**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 08 1045 | | | .3 | 1 | 10512 | | 4300 | 7400 | 1600 | 388 | 0.5 | 8.2 | 4.4 | 1.800 |
| 80 01 29 1715 | | | .3 | 1 | 10525 | 4 0 | 38000 | 83000 | 7000I | 1500> | 0.0 | 8.0 | 5.5 | 2.700 |
| 80 02 26 1715 | | | .3 | 1 | 10539 | 4 0 | 17000 | 24000 | 5600 | 600> | 0.0 | 3.7 | 6.5 | 2.900 |
| 80 03 17 1730 | | | .3 | 1 | 10554 | | 62000 | 68000 | 18000 | 2400 | 0.0 | 5.0 | 9.0 | 3.300 |
| 80 04 28 1825 | | | .3 | 1 | 10568 | 3 0 6 | 700I | 8800 | 170 | | 6.0 | 8.2 | 2.4 | 0.330 |
| 80 05 26 1910 | | | .3 | 1 | 10590 | | 110C | 13200 | 4 | | 16.1 | 8.6 | 1.8 | 0.820 |
| 80 06 23 2035 | | | .3 | 1 | 10605 | | 30000 | 63000 | 20 | | 18.5 | 7.4 | 1.4 | 0.570 |
| 80 07 28 1835 | | | .3 | 1 | 10620 | | 1900 | 31000 | 256 | | 19.0 | 8.4 | 0.8 | 0.94 |
| 80 08 25 2020 | | | .3 | 1 | 10635 | | 200C | 127000 | 36 | | 21.0 | 7.2 | 0.2 | 1.3 |
| 80 09 29 1950 | | | .3 | 1 | 10650 | | 1600C | 30000 | 36 | | 7.0 | 9.7 | 0.6 | 0.800 |
| 80 10 28 1250 | | | .3 | 1 | 10665 | | 190 | 730 | 104 | | 0.5 | 11.1 | 1.0 | 0.770 |
| 80 11 24 1840 | | | .3 | 1 | 10680 | | 112 | 376 | 4< | | 0.0 | 9.4 | 1.8 | 1.300 |
| **MAXIMUM** | | | | | | | **62000** | **127000** | **18000** | **2400>** | **21.0** | **11.1** | **9.0** | **3.300** |
| **ARITH MEAN** | | | | | | | **13009** | **38042** | **2738L** | **1222G** | **7.4** | **7.9** | **2.9** | **1.4** |
| **GEOM MEAN** | | | | | | | **2038** | **15777** | **189L** | **957G** | **3.2** | **7.6** | **1.8** | **1.1** |
| **MINIMUM** | | | | | | | **110** | **376** | **4<** | **388** | **0.0** | **3.7** | **0.2** | **0.330** |
| **STD DEV** | | | | | | | **20161** | **39299** | **5370L** | **921G** | **8.7** | **2.0** | **2.8** | **0.9** |
| **NO OF SAMPLES** | | | | | | | **12** | **12** | **12** | **4** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 08 1045 | | | .3 | 1 | 1.700 | 4.200 | 4.700 | 0.013 | 0.230 | 4.443 | 0.500 | 4.943 | 320.00 | 10.00 |
| 80 01 29 1715 | | | .3 | 1 | 2.700 | 8.900 | 9.600 | 0.008 | 0.030 | 8.938 | 0.700 | 9.638 | 380.00 | 4.00 |
| 80 02 26 1715 | | | .3 | 1 | 3.000 | 9.500 | 14.000 | 0.005 | 0.020 | 9.525 | 4.500 | 14.025 | 380.00 | 3.00 |
| 80 04 28 1825 | | | .3 | 1 | 0.300 | 0.500 | 1.100 | 0.042 | 0.400 | 0.942 | 0.600 | 1.542 | 150.00 | 15.00 |
| 80 05 26 1910 | | | .3 | 1 | 0.700 | 0.010< | 0.920 | 0.033 | 0.260 | 0.303 | 0.910 | 1.213 | 230.00 | 25.00 |
| 80 06 23 2035 | | | .3 | 1 | 0.580 | 0.100< | 1.100 | 0.080 | 1.300 | 1.480 | 1.000 | 2.480 | 270.00 | 25.00 |
| 80 07 28 1835 | | | .3 | 1 | 0.95 | | 0.84 | 0.021 | 0.68 | | | 1.541 | 290 | 30 |
| 80 08 25 2020 | | | .3 | 1 | 1.3 | 0.03 | 0.83 | 0.015 | 0.62 | 0.665 | 0.800 | 1.465 | 350 | 35.0 |
| 80 09 29 1950 | | | .3 | 1 | 0.600 | 0.010 | 0.950 | 0.009 | 1.300 | 1.319 | 0.940 | 2.259 | 270.00 | 30.00 |
| 80 10 28 1250 | | | .3 | 1 | 0.660 | 0.610 | 0.900 | 0.021 | 2.000 | 2.631 | 0.290 | 2.921 | 270.00 | 3.00 |
| 80 11 24 1840 | | | .3 | 1 | 1.200 | 0.460 | 1.200 | 0.024 | 1.600 | 2.084 | 0.740 | 2.824 | 250.00 | 2.00 |
| **MAXIMUM** | | | | | **3.000** | **9.500** | **14.000** | **0.080** | **2.000** | **9.525** | **4.500** | **14.025** | **380.00** | **35.0** |
| **ARITH MEAN** | | | | | **1.2** | **2.43 L** | **3.28** | **0.025** | **0.76** | **3.233** | **1.098** | **4.077** | **287** | **16** |
| **GEOM MEAN** | | | | | **0.9** | **0.32 L** | **1.76** | **0.018** | **0.39** | **1.943** | **0.821** | **2.918** | **278** | **10** |
| **MINIMUM** | | | | | **0.300** | **0.010<** | **0.83** | **0.005** | **0.020** | **0.303** | **0.290** | **1.213** | **150.00** | **2.00** |
| **STD DEV** | | | | | **0.8** | **3.78 L** | **4.46** | **0.021** | **0.67** | **3.374** | **1.215** | **4.090** | **68** | **12** |
| **NO OF SAMPLES** | | | | | **11** | **10** | **11** | **11** | **11** | **10** | **10** | **11** | **11** | **11** |

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | SSO4UR | ACDT | ALKT | PH | FWPH | FEUT | HARDT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 |
| 80 01 08 1045 | | | .3 | 1 | 470.0 | 0.75 | 17.000 | 19.000 | 10.000 | 198 | 7.40 | 7.3 | | 196.000 |
| 80 01 29 1715 | | | .3 | 1 | 680.0 | 1.70 | 28.000 | | | 276 | 7.40 | 7.6 | 0.460 | 251.000 |
| 80 02 26 1715 | | | .3 | 1 | 720.0 | 1.90 | 30.000 | | | 303.0 | 7.30 | 7.3 | 0.45 | 283.000 |
| 80 03 17 1730 | | | .3 | 1 | | | | 33.0 | | 327 | 7.30 | 7.5 | 0.300 | 312.0 |
| 80 04 28 1825 | | | .3 | 1 | 165.0 | 0.80 | 3.900 | 6.000 | 5.000 | 66.0 | 7.20 | 7.4 | 0.180 | 71.000 |
| 80 05 26 1910 | | | .3 | 1 | 290.0 | 1.20 | 13.000 | 14.000 | 2.000 | 114.0 | 8.10 | 8.6 | 0.420 | 131.000 |
| 80 06 23 2035 | | | .3 | 1 | 379.0 | 2.70 | 16.000 | 19.000 | 5.000 | 145.0 | 7.70 | 8.9 | 0.530 | 166.000 |
| 80 07 28 1835 | | | .3 | 1 | 430 | 0.70 | 20 | 19 | 3 | 170 | 8.0 | 8.3 | 0.150 | 188 |
| 80 08 25 2020 | | | .3 | 1 | 440 | 0.75 | 19 | 16 | 4 | 182 | 7.8 | 7.5 | 0.93 | 202 |
| 80 09 29 1950 | | | .3 | 1 | 380.0 | 1.10 | 17.000 | 20.000 | 3.000 | 144.0 | 7.70 | 7.4 | 0.400 | 168.000 |
| 80 10 28 1250 | | | .3 | 1 | 395.0 | 0.50 | 18.000 | 21.000 | 2.000 | 152.0 | 7.80 | 7.6 | 0.150 | 143.000 |
| 80 11 24 1840 | | | .3 | 1 | 410.0 | 0.40 | 19.000 | 19.000 | 5.000 | 159.0 | 7.80 | 8.2 | 0.150 | 178.000 |

(CONTD)

| TEST-NAME: | | | | | CONDO25 | TURB | CLIDUR | SSO4UR | ACDT | ALKT | PH | FWPH | FEUT | HARDT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 |
| MAXIMUM | | | | | 720.0 | 2.70 | 30.000 | 33.0 | 10.000 | 327 | 8.10 | 8.9 | 0.93 | 312.0 |
| ARITH MEAN | | | | | 432 | 1.14 | 18 | 18 | 4 | 186 | 7.6 | 7.8 | 0.37 | 190 |
| GEOM MEAN | | | | | 406 | 0.97 | 16 | 17 | 3 | 171 | 7.6 | 7.8 | 0.31 | 179 |
| MINIMUM | | | | | 166.0 | 0.40 | 3.900 | 6.000 | 2.000 | 66.0 | 7.20 | 7.3 | 0.150 | 71.000 |
| STD DEV | | | | | 166 | 0.70 | 6 | 8 | 2 | 78 | 0.3 | 0.6 | 0.23 | 66 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 10 | 9 | 12 | 12 | 12 | 11 | 12 |

| TEST-NAME: | | | | | COLAP | ASUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 01 08 1045 | | | .3 | 1 | 60.000 | 0.001< | | | | | | | | |
| 80 01 29 1715 | | | .3 | 1 | 60.000 | 0.001< | 0.002 | 0.014 | 0.006 | 0.001 | 0.007 | 0.016 | 0.001< | 0.001 |
| 80 02 26 1715 | | | .3 | 1 | 50.000 | | 0.003 | 0.005 | 0.003 | 0.001 | 0.074 | 0.12 | 0.001< | 0.001< |
| 80 03 17 1730 | | | .3 | 1 | 60 | | | | | | | | | |
| 80 04 28 1825 | | | .3 | 1 | 70.000> | 0.003 | 0.003 | 0.006 | 0.002 | 0.001 | 0.011 | 0.024 | 0.001< | 0.001 |
| 80 05 26 1910 | | | .3 | 1 | 71.000 | 0.001 | 0.003 | 0.020 | 0.054 | 0.001< | 0.033 | 0.030 | 0.002 | 0.002 |
| 80 06 23 2035 | | | .3 | 1 | 70.000 | 0.001 | 0.001 | 0.007 | 0.008 | 0.001 | 0.001< | 0.031 | 0.004 | 0.001 |
| 80 07 28 1835 | | | .3 | 1 | 56 | 0.001 | 0.001< | 0.032 | 0.014 | 0.001< | 0.007 | 0.020 | 0.004 | 0.001< |
| 80 08 25 2020 | | | .3 | 1 | 65 | 0.001< | 0.001< | 0.004 | 0.001 | 0.001< | 0.009 | 0.034 | 0.001 | 0.001 |
| 80 09 29 1950 | | | .3 | 1 | 70.000 | 0.001< | 0.002 | 0.004 | 0.007 | 0.001< | 0.003 | 0.023 | 0.011 | 0.001< |
| 80 10 28 1250 | | | .3 | 1 | 71.000 | 0.001< | 0.001 | 0.002 | 0.002 | 0.001 | 0.004 | 0.009 | 0.001< | 0.002 |
| 80 11 24 1840 | | | .3 | 1 | 54.000 | 0.001< | 0.002 | 0.004 | 0.005 | 0.001 | 0.006 | 0.021 | 0.001< | 0.001< |
| MAXIMUM | | | | | 71.000> | 0.003 | 0.003 | 0.032 | 0.054 | 0.001 | 0.074 | 0.12 | 0.011 | 0.002 |
| ARITH MEAN | | | | | 63 Q | 0.001L | 0.002L | 0.010 | 0.010 | 0.001L | 0.016L | 0.03 | 0.003L | 0.001L |
| GEOM MEAN | | | | | 62 Q | 0.001L | 0.002L | 0.007 | 0.005 | 0.001L | 0.008L | 0.02 | 0.002L | 0.001L |
| MINIMUM | | | | | 50.000 | 0.001< | 0.001< | 0.002 | 0.001 | 0.001< | 0.001< | 0.009 | 0.001< | 0.001< |
| STD DEV | | | | | 7 Q | 0.001L | 0.001L | 0.010 | 0.016 | 0.000L | 0.022L | 0.03 | 0.003L | 0.000L |
| NO OF SAMPLES | | | | | 12 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

B.O.W./ SITE: **FOX CREEK**
SAMPLE POINT: **AT INFLOW TO MANITOWADGE LAKE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **PIC RIVER**

STATION ID: **01-0060-008-02**
STORET CODE: **02**
**001**
**2200**

LAT: LONG: U T M: **16 0587950.0 5444000.0 4** REGION: **06** DISTANCE: **138.230**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 29 1730 | | | .3 | 1 | 10526 | | 1300 | 6000 | 424 | 564 | 0.0 | 8.2 | 0.4 | 0.013 |
| 80 02 26 1200 | | | .3 | 1 | 10540 | | 1600 | 7000 | 520 | 600> | 2.0 | 8.9 | 1.2 | 0.013 |
| 80 03 17 1855 | | | .3 | 1 | 10549 | | 2100 | 2800 | 300 | 700 | 2.0 | 10.0 | 4.0 | 0.008 |
| 80 04 28 1805 | | | .3 | 1 | 10563 | | 120 | 500 | 10< | | 3.0 | 11.8 | 0.8 | 0.023 |
| 80 05 26 1805 | | | .3 | 1 | 10585 | 9 0 | 3300 | 12800 | 1500 | | 17.0 | 8.6 | 0.4 | 0.007 |
| 80 06 23 2005 | | | .3 | 1 | 10600 | 9 8 | 5100 | 9700 | 2200 | | 19.8 | 9.1 | 0.8 | 0.012 |
| 80 07 28 1730 | | | .3 | 1 | 10615 | 8 | 3100C | 28100 | 1900 | | 21.2 | 8.0 | 1.0 | 0.013 |
| 80 08 25 2000 | | | .3 | 1 | 10631 | 8 | 1000 | 14100 | 101 | | 21.0 | 7.5 | 0.2 | 0.040 |
| 80 09 29 1925 | | | .3 | 1 | 10646 | | 140 | 1150 | 8 | | 6.5 | 10.8 | 0.6 | 0.012 |
| 80 10 28 1220 | | | .3 | 1 | 10661 | | 76 | 484 | 4< | | 0.0 | 11.0 | 0.5 | 0.007 |
| 80 11 24 1820 | | | .3 | 1 | 10675 | | 64 | 272 | 8 | | 0.5 | 9.6 | 1.0 | 0.004 |
| MAXIMUM | | | | | | | 5100 | 28100 | 2200 | 700> | 21.2 | 11.8 | 4.0 | 0.040 |
| ARITH MEAN | | | | | | | 1627 | 7537 | 626L | 621G | 8.5 | 9.4 | 1.0 | 0.014 |
| GEOM MEAN | | | | | | | 696 | 3257 | 101L | 619G | 4.1 | 9.3 | 0.7 | 0.011 |
| MINIMUM | | | | | | | 64 | 272 | 4< | 564 | 0.0 | 7.5 | 0.2 | 0.004 |
| STD DEV | | | | | | | 1646 | 8463 | 833L | 70Q | 9.2 | 1.4 | 1.0 | 0.010 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 3 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 29 1730 | | | .3 | 1 | 0.002 | 0.430 | 0.900 | 0.012 | 0.160 | 0.602 | 0.470 | 1.072 | 250.0 | 2.0 |
| 80 02 26 1200 | | | .3 | 1 | 0.010< | 0.600 | 0.900 | 0.013 | 0.220 | 0.833 | 0.300 | 1.133 | 260.00 | 3.00 |
| 80 03 17 1855 | | | .3 | 1 | 0.010< | 0.800 | 1.300 | 0.011 | 0.260 | 1.071 | 0.500 | 1.571 | 310.00 | 15.00 |
| 80 04 28 1805 | | | .3 | 1 | 0.002 | 0.040 | 0.410 | 0.006 | 0.090 | 0.136 | 0.370 | 0.506 | 80.00 | 5.00 |
| 80 05 26 1805 | | | .3 | 1 | 0.002 | 0.120 | 0.580 | 0.008 | 0.030 | 0.158 | 0.460 | 0.618 | 160.00 | 3.00 |
| 80 06 23 2005 | | | .3 | 1 | 0.001< | 0.170 | 0.680 | 0.011 | 0.100 | 0.281 | 0.510 | 0.791 | 200.00 | 4.00 |
| 80 07 28 1730 | | | .3 | 1 | 0.003 | 0.22 | 0.67 | 0.009 | 0.15 | 0.379 | 0.450 | 0.829 | 250 | 4 |
| 80 08 25 2000 | | | .3 | 1 | | 0.26 | 0.70 | 0.011 | 0.12 | 0.391 | 0.440 | 0.831 | 240 | 10 |
| 80 09 29 1925 | | | .3 | 1 | 0.001 | 0.160 | 0.680 | 0.009 | 0.030 | 0.199 | 0.520 | 0.719 | 190.00 | 10.00 |
| 80 10 28 1220 | | | .3 | 1 | 0.001< | 0.120 | 0.610 | 0.009 | 0.070 | 0.199 | 0.490 | 0.689 | 170.00 | 5.00 |
| 80 11 24 1820 | | | .3 | 1 | 0.001 | 0.290 | 0.610 | 0.008 | 0.090 | 0.388 | 0.320 | 0.708 | 200.00 | 4.00 |
| MAXIMUM | | | | | 0.010 | 0.800 | 1.300 | 0.013 | 0.260 | 1.071 | 0.520 | 1.571 | 310.00 | 15.00 |
| ARITH MEAN | | | | | 0.003L | 0.29 | 0.73 | 0.010 | 0.12 | 0.422 | 0.439 | 0.861 | 210 | 6 |
| GEOM MEAN | | | | | 0.002L | 0.21 | 0.70 | 0.010 | 0.09 | 0.342 | 0.432 | 0.821 | 199 | 4 |
| MINIMUM | | | | | 0.001< | 0.040 | 0.410 | 0.006 | 0.030 | 0.136 | 0.300 | 0.506 | 80.00 | 2.0 |
| STD DEV | | | | | 0.004L | 0.23 | 0.23 | 0.002 | 0.07 | 0.300 | 0.076 | 0.298 | 61 | 4 |
| NO OF SAMPLES | | | | | 10 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

(CONTD)

B O W / SITE **FOX CREEK**
SAMPLE POINT **AT INFLOW TO MANITOWADGE LAKE**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE SUPERIOR**
TERM STREAM **PIC RIVER**

STATION ID **01-00[illegible]-008-02**
STORET CODE **02**
**001**
**2280**

LAT. LONG. U T M **16 0587950.0 5444000.0 4** REGION **08** DISTANCE **138.230**

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | SSO4UR | ACDT | ALKT | PH | FWPH | FEUT | HARDT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 |
| 80 01 29 1730 | | | .3 | 1 | 298 | 5.20 | 1.6 | 63.0 | 16.0 | 77 | 6.80 | 7.0 | 7.500 | 148.0 |
| 80 02 26 1200 | | | .3 | 1 | 383.0 | 19.00 | 1.200 | 110.000 | 17.000 | 76.0 | 6.70 | 7.3 | 12 | 183.000 |
| 80 03 17 1855 | | | .3 | 1 | 426.0 | 30.00 | | 133.000 | 14.000 | 71.0 | 6.70 | 7.0 | 15.000 | 200.000 |
| 80 04 28 1805 | | | .3 | 1 | 121.0 | 2.90 | 2.200 | 18.000 | 5.000 | 34.0 | 7.30 | 7.3 | 0.840 | 51.000 |
| 80 05 26 1805 | | | .3 | 1 | 200.0 | 2.30 | 0.600 | 33.000 | 4.000 | 60.0 | 7.30 | | 3.500 | 102.000 |
| 80 06 23 2005 | | | .3 | 1 | 260.0 | 5.20 | 1.400 | 57.000 | 5.000 | 64.0 | 7.40 | 8.55 | 5.400 | 114.000 |
| 80 07 28 1730 | | | .3 | 1 | 345 | 14 | 3.0 | 86 | 2 | 72 | 7.3 | 7.6 | 7.400 | 160 |
| 80 08 25 2000 | | | .3 | 1 | 335 | 7.7 | 1.8 | 90 | 5 | 70 | 7.1 | 6.9 | 5.5 | 162 |
| 80 09 29 1925 | | | .3 | 1 | 215.0 | 6.00 | 2.100 | 52.000 | 4.000 | 56.0 | 7.10 | 7.0 | 3.800 | 102.000 |
| 80 10 28 1220 | | | .3 | 1 | 175.0 | 1.70 | 0.790 | 31.000 | 2.000 | 53.0 | 7.30 | 7.1 | 2.200 | 89.000 |
| 80 11 24 1820 | | | .3 | 1 | 255.0 | 12.00 | 1.000 | 64.000 | 15.000 | 58.0 | 6.80 | 7.3 | 6.100 | 123.000 |
| MAXIMUM | | | | | 426.0 | 30.00 | 3.0 | 133.000 | 17.000 | 77 | 7.40 | 8.55 | 15.000 | 200.000 |
| ARITH MEAN | | | | | 273 | 9 | 1.5 | 67 | 8 | 62 | 7.0 | 7.3 | 6 | 130 |
| GEOM MEAN | | | | | 258 | 6 | 1.4 | 57 | 6 | 61 | 7.0 | 7.2 | 4 | 122 |
| MINIMUM | | | | | 121.0 | 1.70 | 0.600 | 18.000 | 2 | 34.0 | 6.70 | 6.9 | 0.840 | 51.000 |
| STD DEV | | | | | 93 | 8 | 0.7 | 35 | 6 | 12 | 0.2 | 0.4 | 4 | 44 |
| NO OF SAMPLES | | | | | 11 | 11 | 10 | 11 | 11 | 11 | 11 | 10 | 11 | 11 |

| TEST-NAME: | | | | | COLAP | ASUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 01 29 1730 | | | .3 | 1 | 70 > | 0.001< | 0.005 | 0.017 | 0.004 | 0.001 | 0.710 | 0.210 | 0.004 | 0.001< |
| 80 02 26 1200 | | | .3 | 1 | 70.000> | | 0.017 | 0.017 | 0.001 | 0.002< | 0.92 | 0.37 | 0.001< | 0.001< |
| 80 03 17 1855 | | | .3 | 1 | 70.000> | | 0.023 | 0.024 | 0.006 | 0.002 | 1.200 | 0.460 | 0.003 | 0.003 |
| 80 04 28 1805 | | | .3 | 1 | 70.000> | 0.001 | 0.001 | 0.037 | 0.001< | 0.003 | 0.510 | 0.058 | 0.002 | 0.001 |
| 80 05 26 1805 | | | .3 | 1 | 155.000 | 0.002 | 0.006 | 0.013 | 0.004 | 0.002 | 0.310 | 0.092 | 0.001< | 0.001 |
| 80 06 23 2005 | | | .3 | 1 | 193.000 | 0.001< | 0.002 | 0.014 | 0.008 | 0.002 | 0.470 | 0.120 | 0.002 | 0.001 |
| 80 07 28 1730 | | | .3 | 1 | 187 | 0.001 | 0.001< | 0.020 | 0.005 | 0.002 | 0.720 | 0.250 | 0.002 | 0.001< |
| 80 08 25 2000 | | | .3 | 1 | 212 | 0.001< | 0.001< | 0.015 | 0.008 | 0.002 | 1.5 | 0.26 | 0.002 | 0.002 |
| 80 09 29 1925 | | | .3 | 1 | 180.000 | 0.002 | 0.003 | 0.061 | 0.018 | 0.002 | 0.760 | 0.180 | 0.010 | 0.001 |
| 80 10 28 1220 | | | .3 | 1 | 165.000 | 0.001> | 0.002 | 0.015 | 0.003 | 0.002 | 0.590 | 0.100 | 0.002 | 0.001 |
| 80 11 24 1820 | | | .3 | 1 | 210.000 | 0.001 | 0.001 | 0.021 | 0.004 | 0.004 | 2.100 | 0.390 | 0.004 | 0.003 |
| MAXIMUM | | | | | 212 > | 0.002> | 0.023 | 0.061 | 0.018 | 0.004 | 2.100 | 0.460 | 0.010 | 0.003 |
| ARITH MEAN | | | | | 143 G | 0.0018 | 0.006L | 0.023 | 0.006L | 0.002L | 0.8 | 0.22 | 0.003L | 0.001L |
| GEOM MEAN | | | | | 129 G | 0.0018 | 0.003L | 0.021 | 0.004L | 0.002L | 0.7 | 0.18 | 0.002L | 0.001L |
| MINIMUM | | | | | 70 | 0.001< | 0.001< | 0.013 | 0.001< | 0.001< | 0.310 | 0.058 | 0.001< | 0.001< |
| STD DEV | | | | | 60 G | 0.0008 | 0.007L | 0.014 | 0.005L | 0.001L | 0.5 | 0.13 | 0.003L | 0.001L |
| NO OF SAMPLES | | | | | 11 | 9 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

B O W / SITE **LITTLE PIC RIVER**
SAMPLE POINT **AT HIGHWAY 17**
STATION TYPE **RIVER FLOW GAUGE FED 02BA003**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE SUPERIOR**
TERM STREAM **LITTLE PIC RIVER**

STATION ID **01-0067-001-02**
STORET CODE **02**
**001**
**2480**

LAT. LONG. U T M **16 0527050.0 5405200.0 4** REGION **06** DISTANCE **1.448**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | NNO3FR | RSP | RSF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NO3-N FIL.REAC MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L |
| 80 01 08 1650 | | | .3 | 1 | 10504 | | 5.980 | 0.0 | 10.2 | 0.013 | 0.001 | | 10.00 | 134.000 |
| 80 01 30 1230 | | | .3 | 1 | 10517 | | 4.750 | 0.0 | 12.5 | 0.100 | 0.013 | | 110.00 | 133.000 |
| 80 02 27 1010 | | | .3 | 1 | 10531 | 4 | 3.470 | 0.0 | 12.9 | 0.790 | 0.010 | | 1010.00 | 140.000 |
| 80 03 18 1030 | | | .3 | 1 | 10545 | 4 | 2.990 | 0.0 | 13.8 | 0.120 | 0.006 | | 140.00 | 146.000 |
| 80 04 27 1800 | | | .3 | 1 | 36600 | | 92.400 | | | 0.210 | | | 390.0 | |
| 80 04 28 1000 | | | .3 | 1 | 36601 | | 99.600 | | | 0.250 | | | 490.0 | |
| 1345 | | | .3 | 1 | 10559 | 3 | 99.600 | 1.5 | 14.1 | 0.260 | 0.040 | | 510.00 | 76.000 |
| 1830 | | | .3 | 1 | 36602 | | 99.600 | | | 0.350 | 0.019 | 0.120 | 510.0 | |
| 80 04 29 1130 | | | .3 | 1 | 36603 | | 109.000 | | | 0.280 | 0.016 | 0.130 | 490.0 | |
| 80 04 30 0945 | | | .3 | 1 | 36604 | | 128.000 | | | 0.250 | 0.028 | 0.100 | 540.0 | |
| 1715 | | | .3 | 1 | 36605 | | 128.000 | | | 0.300 | 0.037 | 0.090 | 480.0 | |
| 80 05 01 1000 | | | .3 | 1 | 36606 | | 132.000 | | | 0.270 | 0.028 | 0.090 | 420.0 | |
| 80 05 02 0945 | | | .3 | 1 | 36607 | | 125.000 | | | 0.170 | | | 370.0 | |
| 80 05 03 0950 | | | .3 | 1 | 36608 | | 115.000 | | | 0.160 | 0.028 | 0.090 | 340.0 | |
| 80 05 04 1000 | | | .3 | 1 | 36609 | | 102.000 | | | 0.160 | 0.018 | 0.090 | 260.0 | |
| 80 05 05 0945 | | | .3 | 1 | 36610 | | 88.900 | | | 0.110 | 0.022 | 0.090 | 200.0 | |
| 1315 | | | .3 | 1 | 10573 | 3 | 88.900 | 7.5 | 11.0 | 0.090 | 0.026 | | 300.00 | 82.000 |
| 80 05 06 0950 | | | .3 | 1 | 36611 | | 74.300 | | | 0.130 | 0.028 | 0.090 | 150.0 | |
| 80 05 07 1000 | | | .3 | 1 | 36612 | | 61.700 | | | 0.010< | | | 150.0 | |
| 80 05 09 1005 | | | .3 | 1 | 36613 | | 47.300 | | | 0.010< | 0.018 | 0.090 | 75.0 | |
| 80 05 11 1400 | | | .3 | 1 | 36614 | | 49.100 | | | 0.080 | | | 240.0 | |
| 80 05 13 1100 | | | .3 | 1 | 36615 | | 44.100 | | | 0.020 | 0.015 | 0.080 | 95.0 | |
| 80 05 15 0945 | | | .3 | 1 | 36616 | | 37.000 | | | 0.052 | | | 70.0 | |
| 80 05 17 1030 | | | .3 | 1 | 36617 | | 31.300 | | | 0.049 | 0.009 | 0.060 | 20.0 | |
| 80 05 20 0950 | | | .3 | 1 | 36618 | | 25.800 | | | 0.005< | | | 50.0 | |
| 80 05 25 1300 | | | .3 | 1 | 36619 | | 19.700 | | | 0.005< | 0.007 | 0.030 | 35.0 | |
| 80 05 26 1350 | | | .3 | 1 | 10581 | 6 | 18.500 | 16.0 | 10.4 | 0.005< | 0.005 | | 25.00 | 104.000 |
| 80 05 31 1300 | | | .3 | 1 | 36620 | | 29.900 | | | 0.130 | | | 190.0 | |
| 80 06 08 1345 | | | .3 | 1 | 36621 | | 17.700 | | | 0.027 | 0.006 | 0.020 | 30.0 | |
| 80 06 15 1500 | | | .3 | 1 | 36622 | | 12.600 | | | 0.027 | | | 20.0 | |
| 80 06 22 1120 | | | .3 | 1 | 36623 | | 8.690 | | | 0.022 | | | 10.0 | |
| 80 06 23 1800 | | | .3 | 1 | 10599 | | 8.370 | 19.8 | 9.3 | 0.016 | 0.001< | | 15.00 | 92.000 |
| 80 06 24 1145 | | | .3 | 1 | 10596 | 9 | 8.090 | 17.2 | 9.8 | 0.019 | 0.001 | | 10.00 | 125.000 |
| 80 06 29 1445 | | | .3 | 1 | 36624 | | 7.830 | | | 0.008 | 0.001 | 0.010< | 10.0 | |
| 80 07 06 1030 | | | .3 | 1 | 36625 | | 19.700 | | | 0.160 | | | 260.0 | |
| 80 07 12 1400 | | | .3 | 1 | 36626 | | 9.060 | | | 0.013 | | | 5.0 | |
| 80 07 19 1500 | | | .3 | 1 | 36627 | | 8.390 | | | 0.058 | | | 70.0 | |
| 80 07 27 1400 | | | .3 | 1 | 36628 | | 6.360 | | | 0.014 | | | 10.0 | |
| 80 07 28 1430 | | | .3 | 1 | 10611 | | 6.070 | 19.6 | 9.5 | 0.009 | 0.002 | | 5.00 | 145.00 |
| 80 08 03 1000 | | | .3 | 1 | 36629 | | 5.220 | | | 0.014 | | | 4.0 | |
| 80 08 10 1420 | | | .3 | 1 | 36630 | | 6.400 | | | 0.011 | 0.003 | 0.010< | 10.0 | |
| 80 08 16 1840 | | | .3 | 1 | 36631 | | 7.840 | | | 0.011 | | | 5.0 | |
| 80 08 25 1445 | | | .3 | 1 | 10626 | | 6.920 | 21.5 | 8.0 | 0.007 | 0.003 | | 5.00 | 130.000 |

(CONTD)

| | TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | NNO3FR | RSP | RSF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 08 30 1515 | | | .3 | 1 | 36632 | | 14.600 | | | 0.044 | 0.006 | 0.040 | 110.0 | |
| 80 09 06 1500 | | | .3 | 1 | 36633 | | 11.700 | | | 0.013 | | | 10.0 | |
| 80 09 14 1430 | | | .3 | 1 | 36634 | | 12.100 | | | 0.014 | | | 10.0 | |
| 80 09 21 1330 | | | .3 | 1 | 36635 | | 46.200 | | | 0.200 | 0.025 | 0.050 | 260.0 | |
| 80 09 25 1730 | | | .3 | 1 | 36636 | | 32.600 | | | 0.037 | | | 50.0 | |
| 80 09 28 1400 | | | .3 | 1 | 36637 | | 23.400 | | | 0.022 | | | 20.0 | |
| 80 09 29 1515 | | | .3 | 1 | 10641 | | 21.500 | 7.0 | 9.5 | 0.014 | 0.002 | | 10.00 | 100.000 |
| 80 10 01 1330 | | | .3 | 1 | 36638 | | 23.000 | | | 0.016 | 0.004 | 0.020 | 20.0 | |
| 80 10 08 1100 | | | .3 | 1 | 36639 | | 17.400 | | | 0.020 | | | 6.0 | |
| 80 10 14 1440 | | | .3 | 1 | 36640 | | 13.000 | | | 0.022 | | | 110.0 | |
| 80 10 22 1530 | | | .3 | 1 | 36641 | | 14.700 | | | 0.012 | 0.001 | 0.030 | 10.0 | |
| 80 10 27 1450 | | | .3 | 1 | 10656 | | 36.500 | 2.5 | 11.9 | 0.048 | 0.007 | | 60.00 | 98.000 |
| 80 10 28 1145 | | | .3 | 1 | 36642 | | 31.600 | | | 0.029 | | | 30.0 | |
| 80 11 24 1430 | | | .3 | 1 | 10671 | | 11.900 | 0.0 | 10.6 | 0.007 | 0.001 | | 6.00 | 120.000 |
| **MAXIMUM** | | | | | | | **132.000** | **21.5** | **14.1** | **0.780** | **0.040** | **0.130** | **1010.00** | **148.000** |
| **ARITH MEAN** | | | | | | | **40.585** | **8.0** | **11.0** | **0.093L** | **0.013L** | **0.068L** | **166.2** | **118.07** |
| **GEOM MEAN** | | | | | | | **23.641** | **4.2** | **10.8** | **0.040L** | **0.007L** | **0.053L** | **84.0** | **113.67** |
| **MINIMUM** | | | | | | | **2.990** | **0.0** | **8.0** | **0.006<** | **0.001<** | **0.010<** | **4.0** | **78.000** |
| **STD DEV** | | | | | | | **40.558** | **8.8** | **1.8** | **0.133L** | **0.012L** | **0.037L** | **203.3** | **23.66** |
| **NO OF SAMPLES** | | | | | | | **57** | **14** | **14** | **57** | **34** | **20** | **57** | **14** |

| | TEST-NAME: | | | | COND25 | ALKT | PH | FWPH | FEUT | ASUT | HGUT | CRUT | CUUT | PBUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB |
| 80 01 08 1650 | | | .3 | 1 | | 97 | 7.60 | | | 0.001< | 0.050< | 0.002 | 0.004 | 0.006 |
| 80 01 30 1230 | | | .3 | 1 | 205.0 | 98 | 7.60 | 7.4 | | 0.001< | 0.05 < | 0.006 | 0.006 | 0.003 |
| 80 02 27 1010 | | | .3 | 1 | 215.0 | 300.0 | 7.60 | 7.7 | | 0.004 | 0.050 | 0.005 | 0.023 | 0.011 |
| 80 03 18 1030 | | | .3 | 1 | 225.0 | 121.0 | 7.50 | 7.5 | | 0.003 | 0.050< | 0.005 | 0.004 | 0.007 |
| 80 04 27 1800 | | | .3 | 1 | | | | | | | 0.050< | | | 0.009 |
| 80 04 28 1000 | | | .3 | 1 | 119.0 | | | | | | 0.050< | | | 0.004 |
| 1345 | | | .3 | 1 | 117.0 | 87.0 | 7.80 | 8.3 | | 0.004 | 0.050< | 0.027 | 0.007 | 0.001< |
| 1830 | | | .3 | 1 | | | | | | | 0.040 | | 0.020 | 0.030< |
| 80 04 29 1130 | | | .3 | 1 | 118.0 | | | | | | 0.030 | | 0.020 | 0.030< |
| 80 04 30 0945 | | | .3 | 1 | | | | | | | 0.040 | | 0.020 | 0.030< |
| 1715 | | | .3 | 1 | 115.0 | | | | 9.700 | 0.003 | 0.040 | 0.020 | 0.020 | 0.030< |
| 80 05 01 1000 | | | .3 | 1 | 118.0 | | | | | | 0.050< | | 0.011 | 0.007 |
| 80 05 02 0945 | | | .3 | 1 | 118.0 | | | | | | 0.050< | | | 0.008 |
| 80 05 03 0950 | | | .3 | 1 | 121.0 | | | | | | 0.050< | | 0.009 | 0.010 |
| 80 05 04 1000 | | | .3 | 1 | 113.0 | | | | | | 0.050< | | 0.009 | 0.003 |
| 80 05 05 0945 | | | .3 | 1 | 125.0 | | | | | | 0.050< | | 0.007 | 0.006 |
| 1315 | | | .3 | 1 | | 69.0 | 7.90 | 7.4 | | 0.002 | 0.050< | 0.019 | 0.007 | 0.001< |
| 80 05 06 0950 | | | .3 | 1 | 125.0 | | | | | | 0.050< | | 0.006 | 0.009 |
| 80 05 07 1000 | | | .3 | 1 | 128.0 | | | | | | 0.050< | | | 0.006 |
| 80 05 09 1005 | | | .3 | 1 | 132.0 | | | | | | 0.050< | | 0.005 | 0.001< |
| 80 05 11 1400 | | | .3 | 1 | 140.0 | | | | | | 0.050< | | | 0.007 |
| 80 05 13 1100 | | | .3 | 1 | 135.0 | | | | | | 0.050< | | 0.004 | 0.004 |
| 80 05 15 0945 | | | .3 | 1 | 137.0 | | | | | | 0.050< | | | 0.001 |
| 80 05 17 1030 | | | .3 | 1 | 142.0 | | | | | | 0.050< | | 0.004 | 0.003 |
| 80 05 20 0950 | | | .3 | 1 | 150.0 | | | | | | 0.050< | | | 0.001 |
| 80 05 25 1300 | | | .3 | 1 | 165.0 | | | | | | 0.050< | | 0.005 | 0.007 |
| 80 05 26 1350 | | | .3 | 1 | | 80.0 | 8.00 | | | 0.002 | 0.050< | 0.004 | 0.001< | 0.003 |
| 80 05 31 1300 | | | .3 | 1 | 180.0 | | | | | | 0.050< | | | 0.009 |
| 80 06 08 1345 | | | .3 | 1 | 165.0 | | | | | | 0.050< | | 0.001 | 0.003 |
| 80 06 15 1500 | | | .3 | 1 | 180.0 | | | | | | 0.050< | | | 0.006 |
| 80 06 22 1120 | | | .3 | 1 | 190.0 | | | | | | 0.050< | | | 0.008 |
| 80 06 23 1800 | | | .3 | 1 | 141.0 | 62.0 | 7.90 | 7.92 | | 0.001< | 0.050< | 0.001 | 0.002 | 0.002 |
| 80 06 24 1145 | | | .3 | 1 | 192.0 | 94.0 | 8.00 | 8.3 | | 0.001 | 0.050< | 0.002 | 0.003 | 0.005 |
| 80 06 29 1445 | | | .3 | 1 | 195.0 | | | | | | 0.050< | | 0.005 | 0.005 |
| 80 07 06 1030 | | | .3 | 1 | 210.0 | | | | | | 0.050< | | | 0.010 |
| 80 07 12 1400 | | | .3 | 1 | 185.0 | | | | | | 0.050< | | | 0.004 |
| 80 07 19 1500 | | | .3 | 1 | 180.0 | | | | | | 0.050< | | 0.004 | 0.003 |
| 80 07 27 1400 | | | .3 | 1 | 195.0 | | | | | | 0.050< | | | 0.001< |
| 80 07 28 1430 | | | .3 | 1 | | 95.0 | 8.20 | 8.0 | | 0.002 | 0.050< | 0.001< | 0.003 | 0.003 |
| 80 08 03 1000 | | | .3 | 1 | 205.0 | | | | | | 0.080 | | | 0.006< |
| 80 08 10 1420 | | | .3 | 1 | 215.0 | | | | | | 0.050< | | 0.003 | 0.009 |
| 80 08 16 1840 | | | .3 | 1 | 210.0 | | | | | | 0.050< | | | 0.018 |
| 80 08 25 1445 | | | .3 | 1 | 200.0 | 99.0 | 8.20 | 8.0 | | 0.001< | 0.05 < | 0.001 | 0.002 | 0.004 |
| 80 08 30 1515 | | | .3 | 1 | 175.0 | | | | | | 0.050< | | 0.002 | 0.008 |
| 80 09 06 1500 | | | .3 | 1 | 180.0 | | | | | | 0.050< | | | 0.001 |
| 80 09 14 1430 | | | .3 | 1 | 185.0 | | | | | | 0.050< | | | 0.011 |
| 80 09 21 1330 | | | .3 | 1 | 165.0 | | | | | | 0.050< | | 0.008 | 0.007 |
| 80 09 25 1730 | | | .3 | 1 | 151.0 | | | | | | 0.050< | | | 0.004 |
| 80 09 28 1400 | | | .3 | 1 | 155.0 | | | | | | 0.050< | | | 0.007 |
| 80 09 29 1515 | | | .3 | 1 | 155.0 | 8C 0 | 7.90 | 7.8 | | 0.001< | 0.05 < | 0.002 | 0.001< | 0.003 |
| 80 10 01 1330 | | | .3 | 1 | 170.0 | | | | | | 0.050< | | 0.001 | 0.009 |
| 80 10 08 1100 | | | .3 | 1 | 165.0 | | | | | | 0.060 | | | 0.004 |
| 80 10 14 1440 | | | .3 | 1 | 180.0 | | | | | | 0.090 | | | 0.003 |
| 80 10 22 1530 | | | .3 | 1 | 175.0 | | | | | | 0.050< | | 0.003 | 0.007 |
| 80 10 27 1450 | | | .3 | 1 | 151.0 | 73.0 | 7.90 | 7.7 | | 0.001< | 0.050< | 0.006 | 0.002 | 0.004 |
| 80 10 28 1145 | | | .3 | 1 | 146.0 | | | | | | 0.050< | | | 0.006 |
| 80 11 24 1430 | | | .3 | 1 | 185.0 | 88.0 | 7.90 | 8.2 | | 0.001< | 0.050< | 0.003 | 0.001< | 0.002 |
| **MAXIMUM** | | | | | **225.0** | **300.0** | **8.20** | **8.3** | **9.700** | **0.004** | **0.090** | **0.027** | **0.023** | **0.030** |
| **ARITH MEAN** | | | | | **162.9** | **103** | **7.88** | **7.8** | **9.700** | **0.002L** | **0.05 L** | **0.007L** | **0.007L** | **0.007L** |
| **GEOM MEAN** | | | | | **159.7** | **94** | **7.85** | **7.8** | | **0.002L** | **0.05 L** | **0.004L** | **0.004L** | **0.006L** |
| **MINIMUM** | | | | | **113.0** | **62.0** | **7.50** | **7.4** | **9.700** | **0.001<** | **0.030<** | **0.001<** | **0.001<** | **0.001<** |
| **STD DEV** | | | | | **32.3** | **58** | **0.22** | **0.3** | | **0.001L** | **0.00 L** | **0.008L** | **0.008L** | **0.007L** |
| **NO OF SAMPLES** | | | | | **60** | **14** | **14** | **12** | **1** | **15** | **57** | **16** | **35** | **57** |

| | TEST-NAME: | | | | CDUT | ZNUT | MNUT | NIUT | COUT | P1PCBT | X3PCPH | P3245T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | PCB TOTAL UG/L | PENTACHL PHENOL UG/L | 2,4,5-T UG/L |
| 80 01 08 1650 | | | .3 | 1 | 0.001< | 0.007 | | | | 0.160 | | |
| 80 01 30 1230 | | | .3 | 1 | 0.001< | 0.014 | | | | 0.020R | | |
| 80 02 27 1010 | | | .3 | 1 | 0.003 | 0.025 | | | | 0.020R | | |
| 80 03 18 1030 | | | .3 | 1 | 0.001 | 0.014 | | | | 0.020R | | |
| 80 04 27 1800 | | | .3 | 1 | 0.001 | | | | | 0.020R | | |
| 80 04 28 1000 | | | .3 | 1 | 0.001< | | | | | 0.020R | | |
| 1345 | | | .3 | 1 | 0.001< | 0.009 | | | | 0.020R | | |
| 1830 | | | .3 | 1 | 0.005< | | | | | 0.020R | 0.050R | 0.050R |
| 80 04 29 1130 | | | .3 | 1 | 0.007 | | | | | 0.020R | | |
| 80 04 30 0945 | | | .3 | 1 | 0.005< | | | | | 0.020R | | |
| 1715 | | | .3 | 1 | 0.005< | 0.020 | 0.300 | 0.020< | 0.020< | | | |
| 80 05 01 1000 | | | .3 | 1 | 0.001 | | | | | | | |
| 80 05 02 0945 | | | .3 | 1 | 0.001 | | | | | 0.020R | | |
| 80 05 03 0950 | | | .3 | 1 | 0.001 | | | | | 0.020 | | |
| 80 05 04 1000 | | | .3 | 1 | 0.001 | | | | | 0.020R | | |
| 80 05 05 0945 | | | .3 | 1 | 0.001 | | | | | 0.020R | | |
| 1315 | | | .3 | 1 | 0.001 | 0.012 | | | | | | |

(CONTD)

B O W / SITE **LITTLE PIC RIVER**
SAMPLE POINT **AT HIGHWAY 17**
STATION TYPE **RIVER FLOW GAUGE FED 02BA003**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **LITTLE PIC RIVER**

STATION ID **01-0067-001-02**
STORET CODE **02 001 2480**

LAT LONG U T M **16 0527050.0 5405200.0 4** REGION **06** DISTANCE **1.448**

| TEST-NAME: | | | | | CDUT | ZNUT | MNUT | NIUT | COUT | P1PCBT | X3PCPH | P3245T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | PCB TOTAL UG/L | PENTACHL PHENOL UG/L | 2,4,5-T UG/L |
| 80 05 06 0950 | | | 3 | 1 | 0 001 | | | | | 0 020R | 0 050R | 0 050R |
| 80 05 07 1000 | | | 3 | 1 | 0 001 | | | | | 0 020R | | |
| 80 05 09 1005 | | | 3 | 1 | 0 001< | | | | | 0 020R | 0 050R | 0 050R |
| 80 05 11 1400 | | | 3 | 1 | 0 001 | | | | | 0 020R | | |
| 80 05 13 1100 | | | 3 | 1 | 0 001 | | | | | 0 020R | 0 050R | 0 050R |
| 80 05 15 0945 | | | 3 | 1 | 0 001 | | | | | 0 020R | | |
| 80 05 17 1030 | | | 3 | 1 | 0 001 | | | | | 0 020R | | |
| 80 05 20 0950 | | | 3 | 1 | 0 001 | | | | | 0 020R | | |
| 80 05 25 1300 | | | 3 | 1 | 0 002 | | | | | 0 020R | | |
| 80 05 26 1350 | | | .3 | 1 | 0 001 | 0 003 | | | | | | |
| 80 05 31 1300 | | | 3 | 1 | 0 001 | | | | | 0 020R | | |
| 80 06 08 1345 | | | .3 | 1 | 0 001< | | | | | 0 020R | 0 050R | 0 050R |
| 80 06 15 1500 | | | 3 | 1 | 0 001 | | | | | 0 020R | | |
| 80 06 22 1120 | | | 3 | 1 | 0 001 | | | | | 0 020R | | |
| 80 06 23 1800 | | | 3 | 1 | 0 001 | 0 001< | | | | | | |
| 80 06 24 1145 | | | 3 | 1 | 0 001 | 0 001< | | | | 0 020R | | |
| 80 06 29 1445 | | | .3 | 1 | 0 001< | | | | | 0 020R | | |
| 80 07 06 1030 | | | 3 | 1 | 0 001 | | | | | | | |
| 80 07 12 1400 | | | 3 | 1 | 0 001< | | | | | | | |
| 80 07 19 1500 | | | 3 | 1 | 0 001 | | | | | 0 020R | 0 050R | 0 050R |
| 80 07 27 1400 | | | 3 | 1 | 0 001 | | | | | 0 020R | | |
| 80 07 28 1430 | | | .3 | 1 | 0 001 | 0 002 | 0 014 | | | 0 020R | | |
| 80 08 03 1000 | | | 3 | 1 | 0 001< | | | | | 0 020R | | |
| 80 08 10 1420 | | | .3 | 1 | 0 001< | | | | | 0 020R | 0 050R | 0 050R |
| 80 08 16 1840 | | | 3 | 1 | 0 004< | | | | | 0 020R | | |
| 80 08 25 1445 | | | .3 | 1 | 0 001 | 0 001< | | | | 0 020R | | |
| 80 08 30 1515 | | | 3 | 1 | 0 001< | | | | | 0 020R | | |
| 80 09 06 1500 | | | 3 | 1 | 0 001 | | | | | 0 020R | | |
| 80 09 14 1430 | | | .3 | 1 | 0 001< | | | | | 0 020R | | |
| 80 09 21 1330 | | | 3 | 1 | 0 002 | | | | | | | |
| 80 09 25 1730 | | | .3 | 1 | 0 001 | | | | | 0 020R | | |
| 80 09 28 1400 | | | 3 | 1 | 0 001 | | | | | 0 020R | | |
| 80 09 29 1515 | | | 3 | 1 | 0 001< | 0 002 | | | | 0 020R | | |
| 80 10 01 1330 | | | 3 | 1 | 0 001< | | | | | 0 020R | | |
| 80 10 08 1100 | | | 3 | 1 | 0 001 | | | | | 0 020R | | |
| 80 10 14 1440 | | | .3 | 1 | 0 001 | | | | | 0 020R | | |
| 80 10 22 1530 | | | 3 | 1 | 0 001< | | | | | 0 020R | 0 160 | 0 050R |
| 80 10 27 1450 | | | .3 | 1 | 0 001 | 0 006 | | | | 0 020R | | |
| 80 10 28 1145 | | | .3 | 1 | 0 001 | | | | | 0 020R | | |
| 80 11 24 1430 | | | .3 | 1 | 0 001 | 0 002 | | | | 0 020R | | |
| MAXIMUM | | | | | 0.007 | 0.025 | 0.300 | 0.020 | 0.020 | | 0.160 | 0.050 |
| ARITH MEAN | | | | | 0.001L | 0.008L | 0.157 | 0.020L | 0.020L | | 0.064B | 0.050B |
| GEOM MEAN | | | | | 0.001L | 0.005L | 0.066 | | | | 0.058B | 0.050B |
| MINIMUM | | | | | 0.001< | 0.001< | 0.014 | 0.020< | 0.020< | | 0.050 | 0.050 |
| STD DEV | | | | | 0.001L | 0.008L | 0.202 | | | | 0.039B | 0.000B |
| NO OF SAMPLES | | | | | 57 | 16 | 2 | 1 | 1 | | 8 | 8 |

B O W / SITE **DEAD HORSE CREEK**
SAMPLE POINT **AT HIGHWAY NO.17**
STATION TYPE **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **DEAD HORSE CREEK**

STATION ID: **01-0068-001-02**
STORET CODE: **02 001 2490**

LAT: LONG: U T M: **16 0523000.0 5407100.0 4** REGION: **06** DISTANCE: **2.253**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P |
| 80 06 23 1545 | | | 3 | 1 | 10594 | 6 | 260 | 800 | 4 | 15.1 | 10.2 | 0.4 | 0.019 | 0.001< |
| 80 07 28 1410 | | | 3 | 1 | 10610 | | 188C | 1920 | 30I | 18.5 | 9.4 | 1.0 | 0.005 | 0.001 |
| 80 08 25 1430 | | | .3 | 1 | 10625 | | 700I | 1700 | 44 | 17.5 | 8.6 | 1.0 | 0.011 | 0.002 |
| 80 09 29 1445 | | | 3 | 1 | 10640 | | 240C | 1800 | 4< | 7.0 | 9.0 | 0.6 | 0.011 | 0.002 |
| 80 10 27 1440 | | | 3 | 1 | 10655 | | 216C | 4600 | 4 | 2.5 | 12.0 | 0.6 | 0.019 | 0.003 |
| 80 11 24 1400 | | | 3 | 1 | 10670 | 4 | 36 | 100 | 4< | 0.5 | 10.4 | 0.6 | 0.011 | 0.002 |
| MAXIMUM | | | | | | | 700 | 4600 | 44 | 18.5 | 12.0 | 1.0 | 0.019 | 0.003 |
| ARITH MEAN | | | | | | | 273 | 1820 | 15L | 10.2 | 9.9 | 0.7 | 0.013 | 0.002L |
| GEOM MEAN | | | | | | | 200 | 1137 | 8L | 5.9 | 9.9 | 0.7 | 0.012 | 0.002L |
| MINIMUM | | | | | | | 36 | 100 | 4< | 0.5 | 8.6 | 0.4 | 0.005 | 0.001< |
| STD DEV | | | | | | | 224 | 1533 | 18L | 7.9 | 1.2 | 0.2 | 0.005 | 0.001L |
| NO OF SAMPLES | | | | | | | 6 | 6 | 6 | 6 | 8 | 6 | 6 | 6 |

| TEST-NAME: | | | | | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L |
| 80 06 23 1545 | | | .3 | 1 | 0.010< | 0.340 | 0.003 | 0.030 | 0.043 | 0.330 | 0.373 | 80.00 | 1.00 | 79.00 |
| 80 07 28 1410 | | | .3 | 1 | 0.010< | 0.380 | 0.004 | 0.040 | 0.054 | 0.370 | 0.424 | 90.00 | 2.00 | 88.00 |
| 80 08 25 1430 | | | .3 | 1 | 0.03 | 0.91 | 0.006 | | | 0.880 | | 170 | 3 | 167 |
| 80 09 29 1445 | | | 3 | 1 | 0.020 | 0.420 | 0.005 | 0.040 | 0.065 | 0.400 | 0.465 | 90.00 | 2.00 | 88.00 |
| 80 10 27 1440 | | | .3 | 1 | 0.020 | 0.430 | 0.008 | 0.160 | 0.188 | 0.410 | 0.598 | 100.00 | 4.00 | 96.00 |
| 80 11 24 1400 | | | .3 | 1 | 0.040 | 0.360 | 0.005 | 0.160 | 0.205 | 0.320 | 0.525 | 70.00 | 1.00 | 69.00 |
| MAXIMUM | | | | | 0.040 | 0.91 | 0.008 | 0.160 | 0.205 | 0.880 | 0.598 | 170 | 4.00 | 167 |
| ARITH MEAN | | | | | 0.02 L | 0.47 | 0.006 | 0.086 | 0.111 | 0.462 | 0.477 | 100 | 2 | 97 |
| GEOM MEAN | | | | | 0.01 L | 0.44 | 0.006 | 0.066 | 0.090 | 0.422 | 0.471 | 95 | 1 | 93 |
| MINIMUM | | | | | 0.010< | 0.340 | 0.003 | 0.030 | 0.043 | 0.320 | 0.373 | 70.00 | 1.00 | 69.00 |
| STD DEV | | | | | 0.01 L | 0.21 | 0.002 | 0.068 | 0.079 | 0.213 | 0.088 | 35 | 1 | 35 |
| NO OF SAMPLES | | | | | 6 | 6 | 6 | 5 | 5 | 6 | 5 | 6 | 6 | 6 |

| | | | TEST-NAME: | | COND25 | TURB | CLIDUR | SSO4UR | ACDT | ALKT | PH | FWPH | FEUT | HARDT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 |
| 80 06 23 1545 | | | .3 | 1 | 93.0 | 0.80 | 1.300 | 5.200 | 3.000 | 37.0 | 7.80 | 8.69 | 0.210 | 44.000 |
| 80 07 28 1410 | | | .3 | 1 | 106.0 | 0.80 | 1.400 | 5.900 | 2.000 | 43.0 | 7.80 | 7.2 | 0.320 | 48.000 |
| 80 08 25 1430 | | | .3 | 1 | 110 | 1.4 | 0.5 | 5.3 | 9 | 14 | 6.1 | 7.2 | 0.53 | 52 |
| 80 09 29 1445 | | | .3 | 1 | 66.0 | 1.60 | 0.300 | 10.000 | 2.000 | 27.0 | 7.40 | 7.3 | 0.41 | 38.000 |
| 80 10 27 1440 | | | .3 | 1 | 67.0 | 3.60 | 0.410 | 8.400 | 2.000 | 26.0 | 7.30 | 7.2 | 0.650 | 31.000 |
| 80 11 24 1400 | | | .3 | 1 | 76.0 | 1.30 | 0.400 | 6.000 | 3.000 | 28.0 | 7.40 | 7.9 | 0.450 | 34.000 |
| **MAXIMUM** | | | | | **110** | **3.60** | **1.400** | **10.000** | **9** | **43.0** | **7.80** | **8.69** | **0.650** | **52** |
| **ARITH MEAN** | | | | | **86** | **1.6** | **0.7** | **6.8** | **3** | **29** | **7.3** | **7.6** | **0.42** | **41** |
| **GEOM MEAN** | | | | | **84** | **1.3** | **0.5** | **6.5** | **2** | **27** | **7.2** | **7.6** | **0.40** | **40** |
| **MINIMUM** | | | | | **66.0** | **0.80** | **0.300** | **5.200** | **2.000** | **14** | **6.1** | **7.2** | **0.210** | **31.000** |
| **STD DEV** | | | | | **19** | **1.0** | **0.4** | **1.9** | **2** | **10** | **0.6** | **0.6** | **0.16** | **6** |
| **NO OF SAMPLES** | | | | | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** |

| | | | TEST-NAME: | | COLAP | ASUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 06 23 1545 | | | .3 | 1 | 82.000 | 0.001 | 0.001 | 0.005 | 0.004 | 0.001< | 0.001< | 0.012 | 0.001 | 0.001 |
| 80 07 28 1410 | | | .3 | 1 | 52.000 | 0.002 | 0.001< | 0.026 | 0.005 | 0.001< | 0.006 | 0.030 | 0.003 | 0.001< |
| 80 08 25 1430 | | | .3 | 1 | 117 | 0.001< | 0.001< | 0.001 | 0.005 | 0.001 | 0.006 | 0.027 | 0.001 | 0.001< |
| 80 09 29 1445 | | | .3 | 1 | 159.000 | 0.001< | 0.002 | 0.001< | 0.003 | 0.001< | 0.006 | 0.019 | 0.012 | 0.001< |
| 80 10 27 1440 | | | .3 | 1 | 182.000 | 0.001< | 0.001 | 0.001< | 0.003 | 0.001< | 0.004 | 0.024 | 0.001 | 0.001< |
| 80 11 24 1400 | | | .3 | 1 | 118.000 | 0.001< | 0.002 | 0.003 | 0.001 | 0.001 | 0.006 | 0.029 | 0.001< | 0.001< |
| **MAXIMUM** | | | | | **182.000** | **0.002** | **0.002** | **0.026** | **0.005** | **0.001** | **0.006** | **0.030** | **0.012** | **0.001** |
| **ARITH MEAN** | | | | | **118** | **0.001L** | **0.001L** | **0.006L** | **0.003** | **0.001L** | **0.005L** | **0.023** | **0.003L** | **0.001L** |
| **GEOM MEAN** | | | | | **109** | **0.001L** | **0.001L** | **0.003L** | **0.003** | **0.001L** | **0.004L** | **0.022** | **0.002L** | **0.001L** |
| **MINIMUM** | | | | | **52.000** | **0.001<** | **0.001<** | **0.001<** | **0.001** | **0.001<** | **0.001<** | **0.012** | **0.001<** | **0.001<** |
| **STD DEV** | | | | | **47** | **0.000L** | **0.001L** | **0.010L** | **0.002** | **0.000L** | **0.002L** | **0.007** | **0.004L** | **0.000L** |
| **NO OF SAMPLES** | | | | | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** |

B.O.W./ SITE: **KIMBERLY CLARK EFFLUENT CANAL**
SAMPLE POINT: **AT HIGHWAY 17**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **BLACKBIRD CREEK**

STATION ID: **01-0074-001-02**
STORET CODE: **02**
**001**
**2020**

LAT: LONG: U T M: **16 0494525.0 5408350.0 4** REGION: **06** DISTANCE: **13.196**

| | | | TEST-NAME: | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 08 1520 | | | .3 | 1 | 10503 | | 6600000C | 23000000 | 6500000 | 150 | 25.0 | 3.0 | 75.0 | 0.170 |
| 80 01 29 1215 | | | .3 | 1 | 10516 | 0 9 | 3900000 | 12000000 | 1500000 | 1800 | 28.0 | 2.0 | 110.0 | 0.390 |
| 80 02 26 1330 | | | .3 | 1 | 10530 | 0 | 270C | 14000 | 30C | 390 | 11.4 | 3.0 | | |
| 80 03 17 1330 | | | .3 | 1 | 10544 | | 33000000 | 1210E+05 | 10800000 | 6800 | 24.5 | 2.7 | 170.0 | 0.280 |
| 80 04 29 1045 | | | .3 | 1 | 10558 | 0 9 | | | 4000000 | | 17.0 | 6.6 | 65.0 | 0.160 |
| 80 05 26 1315 | | | .3 | 1 | 10580 | 0 | 10< | 10< | 10< | | 30.0 | 3.0 | 160.0 | 0.590 |
| 80 06 23 1510 | | | .3 | 1 | 10595 | 0 9 | 70000C | 4000000 | 4000I | | 24.5 | 4.3 | 70.0 | 0.230 |
| 80 07 29 1105 | | | .3 | 1 | 10609 | 0 9 | 78000000 | 65000000 | 58000000 | | 32.0 | 1.7 | 150 | 0.20 |
| 80 08 25 1350 | | | .3 | 1 | 10624 | 0 | 25000000 | 1150E+05 | 12000000 | | 33.0 | 0.8 | 95 | 0.026 |
| 80 09 29 1400 | | | .3 | 1 | 10639 | 0 | 6000000 | 5200000 | 200000 | | 26.3 | 5.1 | 100.0 | 0.200 |
| 80 10 27 1400 | | | .3 | 1 | 10654 | 0 9 | 2600E+05C | | 23000000 | | 28.0 | 0.2 | 180.0 | 2.400 |
| 80 11 24 1300 | | | .3 | 1 | 10669 | 0 9 | 26000000 | 71000000 | 12000000 | | 24.0 | 0.1 | 170.0 | 0.460 |
| **MAXIMUM** | | | | | | | **2600E+05** | **1210E+05** | **58000000** | **6800** | **33.0** | **6.6** | **180.0** | **2.400** |
| **ARITH MEAN** | | | | | | | **39870020L** | **41621400L** | **10867000L** | **2285** | **25.3** | **2.7** | **122** | **0.46** |
| **GEOM MEAN** | | | | | | | **1259905L** | **2959889L** | **404903L** | **920** | **24.4** | **1.7** | **114** | **0.26** |
| **MINIMUM** | | | | | | | **10<** | **10<** | **10<** | **150** | **11.4** | **0.1** | **65.0** | **0.026** |
| **STD DEV** | | | | | | | **76604800L** | **47764730L** | **16494610L** | **3097** | **6.1** | **2.0** | **44** | **0.66** |
| **NO OF SAMPLES** | | | | | | | **11** | **10** | **12** | **4** | **12** | **12** | **11** | **11** |

| | | | TEST-NAME: | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 08 1520 | | | .3 | 1 | | | 1.900 | | | | | | 1390.00 | 80.00 |
| 80 01 29 1215 | | | .3 | 1 | | | 2.000 | | | | | | 1530.00 | 85.00 |
| 80 03 17 1330 | | | .3 | 1 | | | 1.700 | | | | | | 1720.00 | 65.00 |
| 80 04 29 1045 | | | .3 | 1 | | | 0.500 | | | | | | 850.00 | 70.00 |
| 80 05 26 1315 | | | .3 | 1 | | | 1.100 | | | | | | 1610.00 | 25.00 |
| 80 06 23 1510 | | | .3 | 1 | | | 1.000 | | | | | | 940.00 | 45.00 |
| 80 07 29 1105 | | | .3 | 1 | 0.08 | 0.10 | 1.5 | 0.07 | 0.01< | 0.180 | 1.400 | 1.580 | 1220 | 55 |
| 80 08 25 1350 | | | .3 | 1 | | | 0.15 | | | | | | 1240 | 55 |
| 80 09 29 1400 | | | .3 | 1 | | | 1.200 | | | | | | 1140.00 | 90.00 |
| 80 10 27 1400 | | | .3 | 1 | | | 1.700 | | | | | | 1510.00 | 50.00 |
| 80 11 24 1300 | | | .3 | 1 | | | 2.400 | | | | | | 1410.00 | 100.00 |
| **MAXIMUM** | | | | | **0.08** | **0.10** | **2.400** | **0.07** | **0.01** | **0.180** | **1.400** | **1.580** | **1720.00** | **100.00** |
| **ARITH MEAN** | | | | | **0.08** | **0.10** | **1.3** | **0.07** | **0.01L** | **0.180** | **1.400** | **1.580** | **1323** | **65** |
| **GEOM MEAN** | | | | | | | **1.1** | | | | | | **1296** | **61** |
| **MINIMUM** | | | | | **0.08** | **0.10** | **0.15** | **0.07** | **0.01<** | **0.180** | **1.400** | **1.580** | **850.00** | **25.00** |
| **STD DEV** | | | | | | | **0.6** | | | | | | **274** | **22** |
| **NO OF SAMPLES** | | | | | **1** | **1** | **11** | **1** | **1** | **1** | **1** | **1** | **11** | **11** |

B.O.W./SITE: **KIMBERLY CLARK EFFLUENT CANAL**
SAMPLE POINT: **AT HIGHWAY 17**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **BLACKBIRD CREEK**

STATION ID: **01-0074-001-02**
STORET CODE: **02**
**001**
**2620**

LAT:
LONG:
U T M: **16 0494525.0 5408350.0 4**
REGION: **06**
DISTANCE: **13.196**

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | SSO4UR | ACDT | ALKT | PH | FWPH | FEUT | HARDT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 |
| 80 01 08 1520 | | | .3 | 1 | 1640.0 | 13.00 | 485.000 | 49.000 | 21.000 | 149 | 6.90 | 7.7 | 1.200 | 251.000 |
| 80 01 29 1215 | | | .3 | 1 | 1840.0 | 17.00 | 440.000 | 61.000 | 44.000 | 233 | 7.30 | 7.8 | 1.6 | 174.000 |
| 80 02 26 1330 | | | .3 | 1 | | | | | | | 9.60 | 9.6 | 0.72 | |
| 80 03 17 1330 | | | .3 | 1 | 2050.0 | 26.00 | 522.000 | 84.000 | 24.000 | 176.0 | 7.20 | 7.2 | 1.7 | 291.000 |
| 80 04 29 1045 | | | .3 | 1 | 990.0 | 6.40 | 252.000 | 32.000 | 22.000 | 71.0 | 6.80 | 6.9 | 1.200 | 100.000 |
| 80 05 26 1315 | | | .3 | 1 | 2400.0 | 13.00 | 582.000 | 56.000 | 170.000 | 0.0 | 2.90 | 3.8 | 5.500 | 221.000 |
| 80 06 23 1510 | | | .3 | 1 | 1220.0 | 2.60 | 372.000 | 29.000 | 44.000 | 9.0 | 5.30 | 5.6 | 2.500 | 120.000 |
| 80 07 29 1105 | | | .3 | 1 | 1410 | 2.0 | 301 | 45 | 10 | 190 | 7.5 | 7.4 | 1.100 | 100 |
| 80 08 25 1350 | | | .3 | 1 | 1380 | 12 | 334 | 54 | 24 | 55 | 6.4 | 6.7 | 1.9 | 200 |
| 80 09 29 1400 | | | .3 | 1 | 1120.0 | 1.20 | 171.000 | 71.000 | 0.000 | 281.0 | 9.60 | 9.8 | 1.4 | 60.000 |
| 80 10 27 1400 | | | .3 | 1 | 1850.0 | 1.60 | 488.000 | 55.000 | 14.000 | 111.0 | 6.90 | 6.2 | 3.000 | 192.000 |
| 80 11 24 1300 | | | .3 | 1 | 1650.0 | 16.00 | 393.000 | 93.000 | 27.000 | 172.0 | 7.10 | 6.9 | 3.000 | 212.000 |
| **MAXIMUM** | | | | | **2400.0** | **26.00** | **582.000** | **93.000** | **170.000** | **281.0** | **9.60** | **9.8** | **5.500** | **291.000** |
| **ARITH MEAN** | | | | | **1595** | **10** | **394** | **57** | **36** | **131** | **6.9** | **7.1** | **2.0** | **174** |
| **GEOM MEAN** | | | | | **1544** | **6** | **374** | **54** | **20** | **70** | **6.7** | **6.9** | **1.7** | **159** |
| **MINIMUM** | | | | | **990.0** | **1.20** | **171.000** | **29.000** | **0.000** | **0.0** | **2.90** | **3.8** | **0.72** | **60.000** |
| **STD DEV** | | | | | **424** | **8** | **123** | **19** | **46** | **90** | **1.7** | **1.6** | **1.3** | **71** |
| **NO OF SAMPLES** | | | | | **11** | **11** | **11** | **11** | **11** | **11** | **12** | **12** | **12** | **11** |

| TEST-NAME: | | | | | COLAP | ASUT | HGUT | MNUT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | MANGANSE UNF.TOT. MG/L AS MN |
| 80 01 08 1520 | | | .3 | 1 | 70.000> | | 0.050< | 0.700 |
| 80 01 29 1215 | | | .3 | 1 | 70.000> | 0.001 | 0.05 < | 0.86 |
| 80 02 26 1330 | | | .3 | 1 | | | 0.05 < | 0.10 |
| 80 03 17 1330 | | | .3 | 1 | 70.000> | | | 0.86 |
| 80 04 29 1045 | | | .3 | 1 | 70.000> | | 0.050< | 0.530 |
| 80 05 26 1315 | | | .3 | 1 | 1232.000 | | | |
| 80 06 23 1510 | | | .3 | 1 | 1047.000 | | 0.050< | 0.460 |
| 80 07 29 1105 | | | .3 | 1 | 1294 | 0.003 | 0.050< | 0.520 |
| 80 08 25 1350 | | | .3 | 1 | 1234 | 0.001< | 0.05 | 0.81 |
| 80 09 29 1400 | | | .3 | 1 | 1000.000> | 0.002 | 0.05 < | 0.26 |
| 80 10 27 1400 | | | .3 | 1 | 1000.000> | 0.001< | 0.050 | 0.700 |
| 80 11 24 1300 | | | .3 | 1 | 1000 > | 0.013 | | 0.690 |
| **MAXIMUM** | | | | | **1294 >** | **0.013** | **0.050** | **0.86** |
| **ARITH MEAN** | | | | | **735 G** | **0.003L** | **0.05 L** | **0.59** |
| **GEOM MEAN** | | | | | **406 G** | **0.002L** | **0.05 L** | **0.51** |
| **MINIMUM** | | | | | **70.000** | **0.001<** | **0.050<** | **0.10** |
| **STD DEV** | | | | | **537 G** | **0.005L** | **0.00 L** | **0.24** |
| **NO OF SAMPLES** | | | | | **11** | **6** | **9** | **11** |

B.O.W./SITE: **NIPIGON RIVER**
SAMPLE POINT: **AT BRIDGE CAMERON FALLS**
STATION TYPE: **RIVER FLOW GAUGE FED 02AD008**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**

STATION ID: **01-0090-001-02**
STORET CODE: **02**
**001**

LAT:
LONG:
U T M: **16 0401700.0 5444875.0 4**
REGION: **06**
DISTANCE: **18.990**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 08 1740 | | | .3 | 1 | 10502 | | 412.000 | 4< | 4 | 4< | 4< | 0.0 | 13.2 | 0.2 |
| 80 01 29 1045 | | | .3 | 1 | 10515 | | 386.000 | 4< | 4< | 4< | 4< | 0.0 | 12.9 | 0.2 |
| 80 02 26 1100 | | | .3 | 1 | 10529 | | 451.000 | 4< | 4 | 4< | 4< | 0.0 | 11.9 | 0.6 |
| 80 03 17 1100 | | | .3 | 1 | 10543 | | 403.000 | 4< | 4< | 4< | 4< | 0.5 | 13.4 | 0.3 |
| 80 04 28 1045 | | | .3 | 1 | 10557 | | 172.000 | 4< | 12 | 4< | | 1.0 | 14.2 | 0.2 |
| 80 05 27 1140 | | | .3 | 1 | 10579 | 6 | 246.000 | 12 | 124 | 4< | | 7.5 | 12.4 | 0.2 |
| 80 06 23 1220 | | | .3 | 1 | 10593 | 6 | 335.000 | 64 | 48 | 4< | | 11.0 | 13.8 | 0.4 |
| 80 07 28 1115 | | | .3 | 1 | 10608 | | 301.000 | 176C | 1400 | 4< | | 16.0 | 10.2 | |
| 80 08 26 1510 | | | .3 | 1 | 10623 | | 361.000 | 4 | 132 | 4< | | 22.0 | 7.7 | 0.2 |
| 80 09 29 1135 | | | .3 | 1 | 10638 | | 269.000 | 4< | 40 | 4< | | 11.0 | 8.3 | 0.2 |
| 80 10 27 1115 | | | .3 | 1 | 10653 | | 259.000 | 4< | 4 | 4< | | 5.5 | 10.8 | 0.7 |
| 80 11 25 1200 | | | .3 | 1 | 10668 | | 186.000 | 4 | 12 | 4< | | 1.5 | 10.4 | 0.4 |
| **MAXIMUM** | | | | | | | **451.000** | **176** | **1400** | **4** | **4** | **22.0** | **14.2** | **0.7** |
| **ARITH MEAN** | | | | | | | **315.083** | **24L** | **149L** | **4L** | **4L** | **6.3** | **11.6** | **0.3** |
| **GEOM MEAN** | | | | | | | **302.080** | **8L** | **21L** | **4L** | **4L** | **3.2** | **11.4** | **0.3** |
| **MINIMUM** | | | | | | | **172.000** | **4<** | **4<** | **4<** | **4<** | **0.0** | **7.7** | **0.2** |
| **STD DEV** | | | | | | | **90.707** | **51L** | **397L** | **0L** | **0L** | **7.3** | **2.1** | **0.2** |
| **NO OF SAMPLES** | | | | | | | **12** | **12** | **12** | **12** | **4** | **12** | **12** | **11** |

(CONTD)

| | | | TEST-NAME: | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 08 1740 | | | .3 | 1 | 0.007 | 0.002 | 0.010< | 0.180 | 0.002 | 0.090 | 0.102 | 0.170 | 0.272 | 95.00 |
| 80 01 29 1045 | | | .3 | 1 | 0.005 | 0.003 | 0.010 | 0.150 | 0.001 | 0.100 | 0.111 | 0.140 | 0.251 | 90.00 |
| 80 02 26 1100 | | | .3 | 1 | 0.001< | 0.003 | 0.010< | 0.210 | 0.001< | 0.100 | 0.111 | 0.200 | 0.311 | 80.00 |
| 80 03 17 1100 | | | .3 | 1 | 0.001< | 0.002 | 0.010< | 0.190 | 0.001< | 0.100 | 0.111 | 0.180 | 0.291 | 90.00 |
| 80 04 28 1045 | | | .3 | 1 | 0.007 | 0.001 | 0.010 | 0.120 | 0.002 | 0.100 | 0.112 | 0.110 | 0.222 | 115.00 |
| 80 05 27 1140 | | | .3 | 1 | 0.001< | 0.001 | 0.010< | 0.210 | 0.001 | 0.060 | 0.071 | 0.200 | 0.271 | 90.00 |
| 80 06 23 1220 | | | .3 | 1 | 0.007 | 0.001< | 0.010< | 0.180 | 0.001 | 0.040 | 0.051 | 0.170 | 0.221 | 90.0 |
| 80 08 26 1510 | | | .3 | 1 | 0.005 | 0.005 | 0.010< | 0.210 | 0.004 | 0.040 | 0.054 | 0.200 | 0.254 | 130.00 |
| 80 09 29 1135 | | | .3 | 1 | 0.160 | 0.001< | 0.010< | 0.160 | 0.001 | 0.020 | 0.031 | 0.150 | 0.181 | 95.00 |
| 80 10 27 1115 | | | .3 | 1 | 0.007 | 0.001< | 0.010 | 0.210 | 0.001 | 0.060 | 0.071 | 0.200 | 0.271 | 110.00 |
| 80 11 25 1200 | | | .3 | 1 | 0.005 | 0.001< | 0.010 | 0.170 | 0.001< | 0.060 | 0.071 | 0.160 | 0.231 | 90.00 |
| MAXIMUM | | | | | **0.160** | **0.005** | **0.010** | **0.210** | **0.004** | **0.100** | **0.112** | **0.200** | **0.311** | **130.00** |
| ARITH MEAN | | | | | **0.019L** | **0.002L** | **0.010L** | **0.181** | **0.001L** | **0.070** | **0.081** | **0.171** | **0.252** | **97.7** |
| GEOM MEAN | | | | | **0.005L** | **0.002L** | **0.010L** | **0.178** | **0.001L** | **0.063** | **0.076** | **0.168** | **0.250** | **96.8** |
| MINIMUM | | | | | **0.001<** | **0.001<** | **0.010<** | **0.120** | **0.001<** | **0.020** | **0.031** | **0.110** | **0.181** | **80.00** |
| STD DEV | | | | | **0.047L** | **0.001L** | **0.000L** | **0.029** | **0.001L** | **0.029** | **0.029** | **0.029** | **0.037** | **14.5** |
| NO OF SAMPLES | | | | | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** |

| | | | TEST-NAME: | | RSP | COND25 | TURB | CLIDUR | SSO4UR | ALKT | PH | FWPH | FEUT | HARDT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 |
| 80 01 08 1740 | | | .3 | 1 | 2.00 | 148.0 | 0.55 | 0.900 | 2.500 | 69 | 7.80 | | 0.050 | 70.000 |
| 80 01 29 1045 | | | .3 | 1 | 1.00< | 147.0 | 0.50 | 1.000 | 1.500 | 69 | 7.60 | 7.7 | 0.060 | 72.000 |
| 80 02 26 1100 | | | .3 | 1 | 1.00 | 146.0 | 0.35 | 0.900 | 2.000 | 73.0 | 7.90 | 7.4 | 0.018 | 71.000 |
| 80 03 17 1100 | | | .3 | 1 | 1.00 | 150.0 | 0.30 | 1.000 | 1.700 | 72.0 | 7.80 | 7.8 | 0.016 | 73.000 |
| 80 04 28 1045 | | | .3 | 1 | 10.00 | 146.0 | 3.00 | 0.900 | 1.500 | 72.0 | 7.90 | 8.2 | 0.022 | 71.000 |
| 80 05 27 1140 | | | .3 | 1 | 1.00 | 140.0 | 0.40 | 0.900 | 1.7 | 68.0 | 8.00 | | 0.035 | 69.000 |
| 80 06 23 1220 | | | .3 | 1 | 1.0 | 143 | 0.50 | 0.9 | 1.7 | 68 | 7.90 | 9.15 | 0.039 | 70.0 |
| 80 08 26 1510 | | | .3 | 1 | 2.00 | 140.0 | 0.85 | 0.900 | 1.700 | 68.0 | 7.80 | 8.8 | 0.022 | 74.000 |
| 80 09 29 1135 | | | .3 | 1 | 2.00 | 148.0 | 0.55 | 0.900 | 4.000 | 75.0 | 7.80 | 7.8 | 0.051 | 70.000 |
| 80 10 27 1115 | | | .3 | 1 | 1.00 | 144.0 | 0.60 | 0.930 | 1.900 | 70.0 | 8.00 | 7.6 | 0.050 | 71.000 |
| 80 11 25 1200 | | | .3 | 1 | 1.00 | 145.0 | 0.60 | 1.000 | 2.500 | 69.0 | 7.90 | 8.4 | 0.050 | 71.000 |
| MAXIMUM | | | | | **10.00** | **150.0** | **3.00** | **1.000** | **4.000** | **75.0** | **8.00** | **9.15** | **0.060** | **74.000** |
| ARITH MEAN | | | | | **2.0 L** | **146** | **0.75** | **0.9** | **2.0** | **70** | **7.85** | **8.0** | **0.038** | **71.0** |
| GEOM MEAN | | | | | **1.4 L** | **146** | **0.59** | **0.9** | **1.9** | **70** | **7.85** | **8.0** | **0.034** | **71.0** |
| MINIMUM | | | | | **1.00<** | **140.0** | **0.30** | **0.900** | **1.500** | **68.0** | **7.60** | **7.4** | **0.016** | **69.000** |
| STD DEV | | | | | **2.6 L** | **3** | **0.76** | **0.0** | **0.7** | **2** | **0.11** | **0.6** | **0.016** | **1.4** |
| NO OF SAMPLES | | | | | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **9** | **11** | **11** |

| | | | TEST-NAME: | | COLAP | ASUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI |
| 80 01 08 1740 | | | .3 | 1 | 10.000 | | 0.054 | 0.002 | 0.002 | 0.003 | 0.001< | 0.001 | 0.002 | 0.001< |
| 60 01 29 1045 | | | .3 | 1 | 5.000 | 0.001 | 0.002 | 0.002 | 0.002 | 0.006 | 0.001 | 0.001< | 0.001 | 0.001< |
| 80 02 26 1100 | | | .3 | 1 | 5.000 | | 0.019 | 0.001 | 0.001< | 0.001< | 0.001< | 0.001< | 0.001< | 0.001< |
| 80 03 17 1100 | | | .3 | 1 | 5.000 | | 0.028 | 0.001 | 0.001 | 0.006 | | 0.001< | | 0.003 |
| 80 04 28 1045 | | | .3 | 1 | 3 | 0.003 | 0.012 | 0.001 | 0.001< | 0.001 | 0.001 | 0.001 | 0.002 | 0.001 |
| 80 05 27 1140 | | | .3 | 1 | 7.000 | | 0.052 | 0.001 | 0.006 | 0.006 | 0.002 | 0.002 | 0.002 | 0.001< |
| 80 06 23 1220 | | | .3 | 1 | 14 | | 0.031 | 0.001 | 0.002 | 0.006 | 0.001 | 0.001< | 0.002 | 0.003 |
| 80 07 28 1115 | | | .3 | 1 | | 0.001< | 0.041 | 0.001 | 0.001 | 0.009 | 0.001< | 0.007 | | 0.001 |
| 80 08 26 1510 | | | .3 | 1 | 22.000 | 0.001< | | 0.001 | 0.001 | 0.001< | 0.001 | 0.001< | 0.003 | 0.001< |
| 80 09 29 1135 | | | .3 | 1 | 21.000 | | 0.031 | 0.001 | 0.008 | 0.005 | 0.001 | 0.004 | 0.004 | |
| 80 10 27 1115 | | | .3 | 1 | 10.000 | 0.001< | 0.018 | 0.003 | 0.004 | 0.001 | 0.001 | 0.001< | 0.002 | 0.005 |
| 80 11 25 1200 | | | .3 | 1 | 11.000 | 0.001< | 0.065 | 0.001 | 0.004 | 0.002 | 0.001 | 0.001 | 0.003 | 0.001< |
| MAXIMUM | | | | | **22.000** | **0.003** | **0.065** | **0.003** | **0.008** | **0.009** | **0.002** | **0.007** | **0.004** | **0.005** |
| ARITH MEAN | | | | | **10** | **0.001L** | **0.032** | **0.001** | **0.003L** | **0.004L** | **0.001L** | **0.002L** | **0.002L** | **0.002L** |
| GEOM MEAN | | | | | **8** | **0.001L** | **0.024** | **0.001** | **0.002L** | **0.003L** | **0.001L** | **0.001L** | **0.002L** | **0.001L** |
| MINIMUM | | | | | **3** | **0.001<** | **0.002** | **0.001** | **0.001<** | **0.001<** | **0.001<** | **0.001<** | **0.001<** | **0.001<** |
| STD DEV | | | | | **6** | **0.001L** | **0.019** | **0.001** | **0.002L** | **0.003L** | **0.000L** | **0.002L** | **0.001L** | **0.001L** |
| NO OF SAMPLES | | | | | **11** | **6** | **11** | **12** | **12** | **12** | **11** | **12** | **10** | **11** |

| | | | TEST-NAME: | | COUT |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COBALT UNF.TOT. MG/L AS CO |
| 80 01 08 1740 | | | .3 | 1 | 0.001 |
| 80 01 29 1045 | | | .3 | 1 | 0.001 |
| 80 02 26 1100 | | | .3 | 1 | 0.001< |
| 80 03 17 1100 | | | .3 | 1 | 0.001< |
| 80 04 28 1045 | | | .3 | 1 | 0.001 |
| 80 05 27 1140 | | | .3 | 1 | 0.001< |
| 80 06 23 1220 | | | .3 | 1 | 0.001< |
| 80 07 28 1115 | | | .3 | 1 | 0.001< |
| 80 08 26 1510 | | | .3 | 1 | 0.001< |
| 80 09 29 1135 | | | .3 | 1 | 0.001 |
| 80 10 27 1115 | | | .3 | 1 | 0.001< |
| 80 11 25 1200 | | | .3 | 1 | 0.001 |
| MAXIMUM | | | | | **0.001** |
| ARITH MEAN | | | | | **0.001L** |
| GEOM MEAN | | | | | **0.001L** |
| MINIMUM | | | | | **0.001<** |
| STD DEV | | | | | **0.000L** |
| NO OF SAMPLES | | | | | **12** |

B O W / SITE **NIPIGON RIVER**
SAMPLE POINT **AT HIGHWAY 17, NIPIGON**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE SUPERIOR**

STATION ID **01-0090-002-02**
STORET CODE **02**
**001**

LAT LONG U T M **16 0408550.0 5430200.0 4** REGION **06** DISTANCE **9.856**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT | PPO4FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P |
| 80 01 08 1700 | | .3 | 1 | 10501 | | 4< | 4< | 4< | 4< | 0.0 | 13.2 | 0.006 | 0.001 |
| 80 01 29 1010 | | .3 | 1 | 10514 | | 4< | 4< | 4< | 4< | 0.0 | 12.2 | 0.002 | 0.001 |
| 80 02 26 1130 | | .3 | 1 | 10528 | | 4< | 4< | 4< | 4< | 0.0 | 12.5 | 0.002 | 0.001 |
| 80 03 17 1130 | | .3 | 1 | 10542 | | 4< | 8 | 4< | 4< | 0.5 | 13.4 | 0.002 | 0.001< |
| 80 04 28 1115 | | .3 | 1 | 10556 | 5 | 4< | 12 | 4< | 4< | 2.0 | 14.0 | 0.007 | 0.001 |
| 80 05 06 1255 | | .3 | 1 | 10570 | | 4 | 360 | 4< | 4< | 6.0 | 10.0 | 0.044 | 0.002 |
| 80 05 27 1040 | | .3 | 1 | 10578 | 6 | 16 | 56 | 4< | 4< | 9.5 | 12.1 | 0.002 | 0.001 |
| 80 06 24 1425 | | .3 | 1 | 10592 | | 8 | 112 | 4< | 4< | 13.8 | 11.2 | 0.010 | 0.001< |
| 80 07 28 1255 | | .3 | 1 | 10607 | | 92 | 1000 | 4 | 48 | 18.3 | 10.3 | 0.002 | 0.001< |
| 80 08 26 1430 | | .3 | 1 | 10622 | | 52 | 476 | 36 | 16 | 21.0 | 8.0 | 0.005 | 0.002 |
| 80 09 30 1025 | | .3 | 1 | 10637 | | 24 | 176 | 4 | 4< | 10.2 | 11.0 | 0.007 | 0.001< |
| 80 10 27 1240 | | .3 | 1 | 10652 | | 32 | 288 | 4< | 4 | 4.0 | 11.4 | 0.020 | 0.001< |
| 80 11 25 1120 | | .3 | 1 | 10667 | | 8 | 8 | 4< | 4< | 0.5 | 9.4 | 0.002 | 0.001< |
| MAXIMUM | | | | | | 92 | 1000 | 36 | 48 | 21.0 | 14.0 | 0.044 | 0.002 |
| ARITH MEAN | | | | | | 20L | 193L | 8L | 8L | 8.6 | 11.4 | 0.009 | 0.001L |
| GEOM MEAN | | | | | | 10L | 44L | 5L | 5L | 3.3 | 11.3 | 0.005 | 0.001L |
| MINIMUM | | | | | | 4< | 4< | 4< | 4< | 0.0 | 8.0 | 0.002 | 0.001< |
| STD DEV | | | | | | 26L | 289L | 9L | 12L | 7.4 | 1.7 | 0.012 | 0.000L |
| NO OF SAMPLES | | | | | | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |

| TEST-NAME: | | | | NNTKUR | NNO2FR | NNO3FR | NNKI | RSP | RSF | COND25 | ALKT | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD |
| 80 01 08 1700 | | .3 | 1 | 0.210 | 0.001 | 0.090 | 0.301 | 3.00 | 97.000 | | 70 | 7.80 | |
| 80 01 29 1010 | | .3 | 1 | 0.160 | 0.001 | 0.100 | 0.261 | 1.00 | 95.000 | 146.0 | 70 | 7.70 | |
| 80 02 26 1130 | | .3 | 1 | 0.120 | 0.001< | 0.100 | 0.221 | 1.00 | 92.000 | 142.0 | 73.0 | 7.80 | 7.6 |
| 80 03 17 1130 | | .3 | 1 | 0.150 | 0.001 | 0.100 | 0.251 | 1.00 | 98.000 | 150.0 | 74.0 | 7.80 | 7.9 |
| 80 04 28 1115 | | .3 | 1 | 0.120 | 0.001 | 0.090 | 0.211 | 5.00 | 94.000 | 145.0 | 71.0 | 7.90 | 8.2 |
| 80 05 06 1255 | | .3 | 1 | 0.300 | 0.001 | 0.080 | 0.381 | 55.00 | 94.000 | | 71.0 | 8.00 | 6.4 |
| 80 05 27 1040 | | .3 | 1 | 0.210 | 0.001 | 0.060 | 0.271 | 3.00 | 94.000 | | 69.0 | 8.00 | |
| 80 06 24 1425 | | .3 | 1 | 0.180 | 0.001 | 0.040 | 0.221 | 3.00 | 94.000 | 144.0 | 69.0 | 8.00 | 8.3 |
| 80 07 28 1255 | | .3 | 1 | 0.19 | 0.001 | 0.01 | 0.201 | 4 | 96 | 147 | 69 | 8.3 | |
| 80 08 26 1430 | | .3 | 1 | 0.200 | 0.003 | 0.020 | 0.223 | 5.00 | 95.000 | 145.0 | 71.0 | 8.20 | 8.1 |
| 80 09 30 1025 | | .3 | 1 | 0.190 | 0.001 | 0.010 | 0.201 | 4.00 | 94.000 | 145.0 | 75.0 | 8.00 | 8.0 |
| 80 10 27 1240 | | .3 | 1 | 0.260 | 0.002 | 0.040 | 0.302 | 30.00 | 98.000 | 150.0 | 74.0 | 8.00 | 7.65 |
| 80 11 25 1120 | | .3 | 1 | 0.170 | 0.001< | 0.060 | 0.231 | 2.00 | 95.000 | 146.0 | 69.0 | 8.00 | 8.6 |
| MAXIMUM | | | | 0.300 | 0.003 | 0.100 | 0.381 | 55.00 | 98.000 | 150.0 | 75.0 | 8.3 | 8.6 |
| ARITH MEAN | | | | 0.18 | 0.001L | 0.06 | 0.252 | 9 | 95 | 146 | 71 | 7.9 | 7.8 |
| GEOM MEAN | | | | 0.18 | 0.001L | 0.04 | 0.248 | 3 | 95 | 146 | 71 | 7.9 | 7.8 |
| MINIMUM | | | | 0.120 | 0.001< | 0.01 | 0.201 | 1.00 | 92.000 | 142.0 | 69.0 | 7.70 | 6.4 |
| STD DEV | | | | 0.05 | 0.001L | 0.03 | 0.052 | 15 | 1 | 2 | 2 | 0.1 | 0.6 |
| NO OF SAMPLES | | | | 13 | 13 | 13 | 13 | 13 | 13 | 10 | 13 | 13 | 9 |

| TEST-NAME: | | | | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. MG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 01 08 1700 | | .3 | 1 | 0.001< | 0.050< | 0.001 | 0.005 | 0.007 | 0.001< | 0.001< |
| 80 01 29 1010 | | .3 | 1 | 0.001< | 0.05 < | 0.001< | 0.002 | 0.001< | 0.001< | 0.001< |
| 80 02 26 1130 | | .3 | 1 | 0.001 | 0.050< | 0.001< | 0.001 | 0.001< | 0.001 | 0.001< |
| 80 03 17 1130 | | .3 | 1 | 0.003 | 0.050 | 0.001 | 0.006 | 0.006< | 0.001 | 0.001< |
| 80 04 28 1115 | | .3 | 1 | 0.002 | | 0.001< | 0.002 | 0.003 | 0.001 | 0.001 |
| 80 05 06 1255 | | .3 | 1 | 0.001 | 0.050< | 0.002 | 0.004 | 0.005 | 0.001 | 0.004 |
| 80 05 27 1040 | | .3 | 1 | 0.002 | 0.050< | 0.001 | 0.001 | 0.005 | 0.001 | 0.001 |
| 80 06 24 1425 | | .3 | 1 | 0.001 | 0.050 | 0.001 | 0.001 | 0.002 | 0.001 | 0.001< |
| 80 07 28 1255 | | .3 | 1 | 0.001 | 0.050< | 0.001 | 0.001< | 0.001< | 0.001< | 0.001 |
| 80 08 26 1430 | | .3 | 1 | 0.001< | 0.05 < | 0.001< | 0.002 | 0.001< | 0.001 | 0.001< |
| 80 09 30 1025 | | .3 | 1 | 0.001< | 0.05 < | 0.001< | 0.002 | 0.003 | 0.001 | 0.001 |
| 80 10 27 1240 | | .3 | 1 | 0.001< | 0.050< | 0.003 | 0.001< | 0.001 | 0.001 | 0.003 |
| 80 11 25 1120 | | .3 | 1 | 0.001< | 0.05 < | 0.007 | 0.002 | 0.011 | 0.001 | 0.001< |
| MAXIMUM | | | | 0.003 | 0.05 | 0.007 | 0.006 | 0.011 | 0.001 | 0.004 |
| ARITH MEAN | | | | 0.001L | 0.05 L | 0.002L | 0.002L | 0.004L | 0.001L | 0.001L |
| GEOM MEAN | | | | 0.001L | 0.05 L | 0.001L | 0.002L | 0.003L | 0.001L | 0.001L |
| MINIMUM | | | | 0.001< | 0.050< | 0.001< | 0.001< | 0.001< | 0.001< | 0.001< |
| STD DEV | | | | 0.001L | 0.00 L | 0.002L | 0.002L | 0.003L | 0.000L | 0.001L |
| NO OF SAMPLES | | | | 13 | 12 | 13 | 13 | 13 | 13 | 13 |

B.O.W./ SITE: **BLACK STURGEON RIVER**
SAMPLE POINT: **AT HIGHWAYS 11 AND 17**
STATION TYPE: **RIVER FLOW GAUGE FED 02AC002**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **BLACK STURGEON RIVER**

STATION ID: **01-0082-001-02**
STORET CODE: **02**
**001**
**7370**

LAT: LONG: U T M: **16 0399050.0 5417500.0 4** REGION: **06** DISTANCE: **13.186**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | RSP | RSF | COND25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C |
| 80 01 29 0945 | | | .3 | 1 | 10513 | | 6.820 | 0.0 | 13.4 | 0.018 | 0.001 | 3.00 | 157.000 | 241.0 |
| 80 02 26 1030 | | | .3 | 1 | 10527 | 4 | 6.060 | 0.0 | 12.8 | 0.021 | 0.001 | 1.00 | 162.000 | 249.0 |
| 80 03 18 1400 | | | .3 | 1 | 10541 | 4 | 6.600 | 0.0 | 14.0 | 0.005 | 0.001 | 1.00 | 176.000 | 271.0 |
| 80 04 29 1410 | | | .3 | 1 | 10555 | 3 | 70.000 | 6.5 | 12.4 | 0.037 | 0.003 | 45.00 | 117.000 | 180.0 |
| 80 05 06 1330 | | | .3 | 1 | 10569 | 3 | 71.600 | 9.5 | 9.7 | 0.027 | 0.003 | 25.00 | 120.000 | |
| 80 05 27 1250 | | | .3 | 1 | 10577 | 6 | 40.200 | 16.5 | 9.4 | 0.007 | 0.001 | 10.00 | 110.000 | |
| 80 06 24 1550 | | | .3 | 1 | 10591 | | 17.200 | 19.1 | 9.1 | 0.018 | 0.001< | 3.00 | 146.000 | 224.0 |
| 80 07 28 1400 | | | .3 | 1 | 10606 | | 9.030 | 21.0 | 8.9 | 0.009 | 0.002 | 4.00 | 186.00 | 270.0 |
| 80 08 26 1545 | | | .3 | 1 | 10621 | | 11.100 | 21.0 | 7.9 | 0.009 | 0.001 | 4.00 | 170.000 | 260.0 |
| 80 09 30 1145 | | | .3 | 1 | 10636 | | 41.600 | 9.3 | 11.7 | 0.009 | 0.001< | 10.00 | 124.000 | 190.0 |
| 80 10 28 1000 | | | .3 | 1 | 10651 | | 48.600 | 2.0 | 12.3 | 0.010 | 0.002 | 7.00 | 104.000 | 160.0 |
| 80 11 25 1410 | | | .3 | 1 | 10666 | | 26.700 | 0.0 | 9.5 | 0.002 | 0.001< | 2.00 | 120.000 | 185.0 |
| MAXIMUM | | | | | | | 71.600 | 21.0 | 14.0 | 0.037 | 0.003 | 45.00 | 186.00 | 271.0 |
| ARITH MEAN | | | | | | | 29.626 | 8.7 | 10.9 | 0.014 | 0.001L | 9.58 | 141.00 | 223.0 |
| GEOM MEAN | | | | | | | 20.374 | 4.8 | 10.7 | 0.011 | 0.001L | 4.97 | 138.40 | 219.4 |
| MINIMUM | | | | | | | 6.060 | 0.0 | 7.9 | 0.002 | 0.001< | 1.00 | 104.000 | 160.0 |
| STD DEV | | | | | | | 24.389 | 8.7 | 2.0 | 0.010 | 0.001L | 12.98 | 28.42 | 41.1 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 10 |

| TEST-NAME: | | | | | ALKT | PH | FWPH | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 01 29 0945 | | | .3 | 1 | 62 | 7.50 | 7.2 | 0.001< | 0.05 < | 0.001< | 0.003 | 0.001 | 0.001< | 0.001 |
| 80 02 26 1030 | | | .3 | 1 | 68.0 | 7.50 | 7.3 | 0.001< | 0.050 | 0.001 | 0.004 | 0.006 | 0.002 | 0.003 |
| 80 03 18 1400 | | | .3 | 1 | 74.0 | 7.50 | 7.7 | 0.003 | 0.050< | 0.002 | 0.002 | 0.003 | 0.001< | 0.005 |
| 80 04 29 1410 | | | .3 | 1 | 42.0 | 7.80 | 7.7 | 0.002 | 0.050< | 0.003 | 0.004 | 0.001 | 0.001< | 0.003 |
| 80 05 06 1330 | | | .3 | 1 | 47.0 | 7.60 | 7.7 | 0.001 | 0.050< | 0.001 | 0.005 | 0.002 | 0.001< | 0.005 |
| 80 05 27 1250 | | | 3 | 1 | 47.0 | 7.80 | | 0.001 | 0.050< | 0.001< | 0.004 | 0.001< | 0.001 | 0.001 |
| 80 06 24 1550 | | | .3 | 1 | 55.0 | 8.00 | 8.11 | 0.001 | 0.050< | 0.001< | 0.004 | 0.003 | 0.001< | 0.001< |
| 80 07 28 1400 | | | .3 | 1 | 68.0 | 8.00 | 7.9 | 0.002 | 0.050< | 0.001< | 0.009 | 0.001< | 0.001 | 0.006 |
| 80 08 26 1545 | | | .3 | 1 | 65.0 | 7.90 | 8.8 | 0.001< | 0.05 < | 0.001< | 0.004 | 0.004 | 0.001 | 0.001< |
| 80 09 30 1145 | | | .3 | 1 | 57.0 | 7.80 | 7.8 | 0.001< | 0.05 < | 0.002 | 0.004 | 0.003 | 0.001< | 0.001 |
| 80 10 28 1000 | | | 3 | 1 | 47.0 | 7.70 | 7.5 | 0.001< | 0.050< | 0.003 | 0.001 | 0.001 | 0.001< | 0.001 |
| 80 11 25 1410 | | | .3 | 1 | 53.0 | 7.70 | 8.5 | 0.001< | 0.050< | 0.001 | 0.003 | 0.002 | 0.001 | 0.002 |
| MAXIMUM | | | | | 74.0 | 8.00 | 8.8 | 0.003 | 0.050 | 0.003 | 0.009 | 0.006 | 0.002 | 0.006 |
| ARITH MEAN | | | | | 67 | 7.73 | 7.8 | 0.001L | 0.05 L | 0.001L | 0.004 | 0.002L | 0.001L | 0.002L |
| GEOM MEAN | | | | | 56 | 7.73 | 7.8 | 0.001L | 0.05 L | 0.001L | 0.003 | 0.002L | 0.001L | 0.002L |
| MINIMUM | | | | | 42.0 | 7.50 | 7.2 | 0.001< | 0.05 < | 0.001< | 0.001 | 0.001< | 0.001< | 0.001< |
| STD DEV | | | | | 10 | 0.18 | 0.4 | 0.001L | 0.00 L | 0.001L | 0.002 | 0.002L | 0.000L | 0.002L |
| NO OF SAMPLES | | | | | 12 | 12 | 11 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

B.O.W./ SITE: **CURRENT RIVER**
SAMPLE POINT: **AT CUMBERLAND STREET THUNDER BAY**
STATION TYPE: **RIVER FLOW GAUGE FED 02AB015**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **CURRENT RIVER**

STATION ID: **01-0104-001-02**
STORET CODE: **02**
**001**
**7080**

LAT: LONG: U T M: **16 0338350.0 5369000.0 4** REGION: **06** DISTANCE: **0.483**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 14 1530 | | | .3 | 1 | 10008 | | 1.310 | 12 | 120 | 4< | 4< | 0.5 | 13.1 | 1.2 |
| 80 02 11 1100 | | | .3 | 1 | 10022 | 4 | 1.220 | 16 | 56 | 4 | 4< | 0.5 | 13.0 | |
| 80 03 10 1500 | | | .3 | 1 | 10036 | 4 | 0.819 | 40 | 216 | 8 | 4 | 0.0 | 14.0 | 1.4 |
| 80 04 14 1530 | | | .3 | 1 | 10050 | | 1.910 | 24 | 324 | 4 | | 1.3 | 13.5 | 0.4 |
| 80 05 12 1500 | | | .3 | 1 | 10078 | 6 | 11.000 | 40 | 364 | 4< | | 11.5 | 10.7 | 0.2 |
| 80 06 17 1045 | | | .3 | 1 | 10102 | | 1.540 | 216C | 4700 | 16 | | 18.0 | 8.9 | 0.2 |
| 80 07 14 1045 | | | .3 | 1 | 10126 | | 0.714 | 60C | 5900 | 20 | | 22.0 | 9.1 | 0.4 |
| 80 08 27 1140 | | | .3 | 1 | 10152 | | 1.290 | 1200 | 5100 | 160 | | 20.0 | 8.5 | 0.2 |
| 80 09 23 1130 | | | .3 | 1 | 10176 | 3 | 18.000 | 500I | 4500 | 20 | | | | 1.0 |
| 80 10 15 1115 | | | .3 | 1 | 10200 | | 4.700 | 80I | 420 | 4 | | 5.0 | 11.0 | 0.4 |
| 80 11 17 | | | .3 | 1 | 10215 | 8 | 5.060 | 96 | 248 | 4 | | | | 0.6 |
| 80 12 15 1420 | | | .3 | 1 | 10230 | 4 | 2.070 | 24 | 248 | 4< | | 0.0 | 12.5 | 0.2 |
| MAXIMUM | | | | | | | 18.000 | 1200 | 5900 | 160 | 4 | 22.0 | 14.0 | 1.4 |
| ARITH MEAN | | | | | | | 4.136 | 192 | 1850 | 21L | 4L | 7.9 | 11.4 | 0.6 |
| GEOM MEAN | | | | | | | 2.389 | 68 | 813 | 8L | 4L | 3.3 | 11.3 | 0.4 |
| MINIMUM | | | | | | | 0.714 | 12 | 56 | 4< | 4< | 0.0 | 8.5 | 0.2 |
| STD DEV | | | | | | | 5.286 | 346 | 2388 | 44L | 0L | 9.1 | 2.1 | 0.4 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 3 | 10 | 10 | 11 |

(CONTD)

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **CURRENT RIVER**
SAMPLE POINT: **AT CUMBERLAND STREET THUNDER BAY**
STATION TYPE: **RIVER FLOW GAUGE FED 02AB015**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **CURRENT RIVER**

STATION ID: **01-0104-001-02**
STORET CODE: **02**
**001**
**7980**

LAT: LONG: U T M: **16 0338350.0 5369000.0 4** REGION: **06** DISTANCE: **0.483**

| TEST-NAME: | | | | | PPUT | PPO4FR | RST | RSP | COND25 | TURB | CLIDUR | ACDT | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH |
| 80 01 14 1530 | | | .3 | 1 | 0.001< | 0.001 | 90.00 | 1.00 | 76.0 | 0.95 | 2.400 | | 26 | 7.40 |
| 80 02 11 1100 | | | .3 | 1 | 0.003 | 0.001 | 80 | 1 | 83 | 0.90 | 2.3 | | 30 | 7.3 |
| 80 03 10 1500 | | | .3 | 1 | 0.001< | 0.001 | 95.00 | 1.00 | 88.0 | 0.95 | 2.600 | | 33.0 | 7.30 |
| 80 04 14 1530 | | | .3 | 1 | 0.011 | 0.001 | 95.00 | 1.00 | 91.0 | 0.75 | 5.400 | | 28.0 | 7.20 |
| 80 05 12 1500 | | | .3 | 1 | 0.004 | 0.001< | 55.00 | 1.00 | 55.0 | 0.60 | 1.900 | | 18.0 | 7.40 |
| 80 06 17 1045 | | | .3 | 1 | 0.012 | 0.001< | 55.00 | 1.00 | 77.0 | 1.40 | 2.300 | | 28.0 | 7.50 |
| 80 07 14 1045 | | | .3 | 1 | 0.003 | 0.001< | 80.00 | 2.00 | 100.0 | 1.10 | 2.900 | 1.000< | 37.0 | 7.10 |
| 80 08 27 1140 | | | .3 | 1 | 0.004 | 0.001 | 100.00 | 2.00 | 102.0 | 0.65 | 2.400 | | 40.0 | 7.80 |
| 80 09 23 1130 | | | .3 | 1 | 0.006 | 0.001 | 85.00 | 2.00 | 64.0 | 1.40 | 2.200 | | 22.0 | 7.30 |
| 80 10 15 1115 | | | .3 | 1 | 0.009 | 0.001< | 90.00 | 1.00 | 68.0 | 1.20 | 2.300 | | 24.0 | 7.40 |
| 80 11 17 | | | .3 | 1 | 0.006 | 0.001< | 60.00 | 1.00 | 67.0 | 0.85 | 2.300 | | 23.0 | 7.40 |
| 80 12 15 1420 | | | .3 | 1 | 0.001< | 0.001< | 110.00 | 1.00 | 80.0 | 0.95 | 2.900 | | 28.0 | 7.20 |
| **MAXIMUM** | | | | | **0.012** | **0.001** | **110.00** | **2.00** | **102.0** | **1.40** | **5.400** | **1.000** | **40.0** | **7.80** |
| **ARITH MEAN** | | | | | **0.005L** | **0.001L** | **82** | **1** | **79** | **0.97** | **2.6** | **1.000L** | **28** | **7.3** |
| **GEOM MEAN** | | | | | **0.004L** | **0.001L** | **80** | **1** | **78** | **0.94** | **2.5** | | **27** | **7.3** |
| **MINIMUM** | | | | | **0.001<** | **0.001<** | **55.00** | **1.00** | **55.0** | **0.60** | **1.900** | **1.000<** | **18.0** | **7.10** |
| **STD DEV** | | | | | **0.004L** | **0.000L** | **17** | **0** | **14** | **0.26** | **0.9** | | **6** | **0.1** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **1** | **12** | **12** |

| TEST-NAME: | | | | | FWPH | PHNOL | FEUT | HARDT | COLAP | ASUT | CRUT | CUUT | PBUT | CDUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD |
| 80 01 14 1530 | | | .3 | 1 | 7.3 | | | 33.000 | 50.000 | | | | | |
| 80 02 11 1100 | | | .3 | 1 | 7.7 | | 0.51 | 35 | 50 | 0.001< | 0.002 | 0.001 | 0.002 | 0.001< |
| 80 03 10 1500 | | | .3 | 1 | 7.6 | | | 38.000 | 50.000 | | | | | |
| 80 04 14 1530 | | | .3 | 1 | 7.8 | | | 36.000 | 50.000 | | | | | |
| 80 05 12 1500 | | | .3 | 1 | 7.5 | | 0.250 | 22.000 | 70.000 | 0.001 | 0.003 | 0.002 | 0.001 | 0.001< |
| 80 06 17 1045 | | | .3 | 1 | 8.0 | | | 32.000 | 54.000 | | | | | |
| 80 07 14 1045 | | | .3 | 1 | 7.8 | | | 4.400 | 30.000 | | | | | |
| 80 08 27 1140 | | | .3 | 1 | 8.3 | | 0.33 | 48.000 | 45.000 | 0.001< | 0.001< | 0.001 | 0.003 | 0.001 |
| 80 09 23 1130 | | | .3 | 1 | 8.1 | | 0.700 | 30.000 | 107.000 | | | | | |
| 80 10 15 1115 | | | .3 | 1 | 7.8 | 3.000 | 0.550 | 28.000 | 103.000 | 0.001< | 0.001 | 0.001 | 0.001< | 0.001< |
| 80 11 17 | | | .3 | 1 | | | 0.450 | 24.000 | 97.000 | | | | | |
| 80 12 15 1420 | | | .3 | 1 | 7.4 | | | 30.000 | 77.000 | | | | | |
| **MAXIMUM** | | | | | **8.3** | **3.000** | **0.700** | **48.000** | **107.000** | **0.001** | **0.003** | **0.002** | **0.003** | **0.001** |
| **ARITH MEAN** | | | | | **7.8** | **3.000** | **0.46** | **30** | **65** | **0.001L** | **0.002L** | **0.001** | **0.002L** | **0.001L** |
| **GEOM MEAN** | | | | | **7.7** | | **0.44** | **26** | **60** | **0.001L** | **0.002L** | **0.001** | **0.002L** | **0.001L** |
| **MINIMUM** | | | | | **7.3** | **3.000** | **0.250** | **4.400** | **30.000** | **0.001<** | **0.001<** | **0.001** | **0.001<** | **0.001<** |
| **STD DEV** | | | | | **0.3** | | **0.18** | **10** | **25** | **0.000L** | **0.001L** | **0.000** | **0.001L** | **0.000L** |
| **NO OF SAMPLES** | | | | | **11** | **1** | **6** | **12** | **12** | **4** | **4** | **4** | **4** | **4** |

| TEST-NAME: | | | | | ZNUT | MNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 02 11 1100 | | | .3 | 1 | 0.001 | 0.028 | 0.001< | 0.001< |
| 80 05 12 1500 | | | .3 | 1 | 0.001< | 0.013 | 0.001< | 0.001 |
| 80 08 27 1140 | | | .3 | 1 | 0.001< | 0.086 | 0.015 | 0.001< |
| 80 09 23 1130 | | | .3 | 1 | | 0.020 | | |
| 80 10 15 1115 | | | .3 | 1 | 0.001 | 0.032 | 0.015 | 0.001< |
| 80 11 17 | | | .3 | 1 | | 0.021 | | |
| **MAXIMUM** | | | | | **0.001** | **0.086** | **0.015** | **0.001** |
| **ARITH MEAN** | | | | | **0.001L** | **0.033** | **0.008L** | **0.001L** |
| **GEOM MEAN** | | | | | **0.001L** | **0.027** | **0.004L** | **0.001L** |
| **MINIMUM** | | | | | **0.001<** | **0.013** | **0.001<** | **0.001<** |
| **STD DEV** | | | | | **0.000L** | **0.027** | **0.008L** | **0.000L** |
| **NO OF SAMPLES** | | | | | **4** | **6** | **4** | **4** |

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B.O.W./ SITE: **CURRENT RIVER**
SAMPLE POINT: **AT HIGHWAYS 11 AND 17 THUNDER BAY**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **CURRENT RIVER**

STATION ID: **01-0104-002-02**
STORET CODE: **02**
**001**
**7980**

LAT: LONG: U T M: **16 0338550.0 5372400.0 4** REGION: **06** DISTANCE: **2.887**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 14 1350 | | | .3 | 1 | 10007 | | 10I | 90I | 4< | 4< | 0.5 | 13.8 | 1.2 | 0.001 |
| 80 02 11 1120 | | | .3 | 1 | 10021 | 4 | 12 | 68 | 4 | 4< | 0.5 | 13.4 | | 0.003 |
| 80 03 10 1445 | | | .3 | 1 | 10035 | 4 | 16 | 108 | 4< | 4< | 0.0 | 14.0 | 0.2 | 0.003 |
| 80 04 14 1545 | | | .3 | 1 | 10049 | | 52 | 128 | 4< | | 0.0 | 14.1 | 0.4 | 0.009 |
| 80 05 12 1455 | | | .3 | 1 | 10077 | 6 | 68 | 392 | 4< | | 10.0 | 11.7 | 0.4 | 0.002 |
| 80 06 17 1025 | | | .3 | 1 | 10101 | | 196C | 6000 | 12 | | 19.5 | 8.3 | 0.2 | 0.011 |
| 80 08 27 1125 | | | .3 | 1 | 10151 | | 96C | 4200 | 36 | | 18.0 | 9.7 | 0.016 | 0.004 |
| 80 09 23 1100 | | | .3 | 1 | 10175 | 3 | 220 | 2400 | 4< | | 9.0 | 11.2 | 1.0 | 0.008 |
| 80 10 15 1100 | | | .3 | 1 | 10199 | | 20I | 310 | 8 | | 3.5 | 11.0 | 0.8 | 0.010 |
| 80 11 17 | | | .3 | 1 | 10214 | 8 | 120 | 288 | 4< | | | | 0.6 | 0.008 |
| 80 12 15 1400 | | | .3 | 1 | 10229 | 4 | 40 | 152 | 4 | | 0.5 | 12.5 | 1.2 | 0.002 |

(CONTD)

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE SAMPLE NUMBER | FWSTRC STREAM COND. | TCMF COLIFORM TOTAL MF CNT /100ML | TCMFBK COLIFORM TOTAL MF BCKGRD CNT /100ML | FCMF FECAL COLIFORM MF CNT /100ML | FSMF FECAL STREPCUS MF CNT /100ML | FWTEMP WATER TEMP DEG.C | DO DISOLVED OXYGEN MG/L AS O | BOD5 BOD 5 DAY TOT.DEM. MG/L AS O | PPUT PHOSPHOR UNF.TOT. MG/L AS P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM | | | | | | | 220 | 6000 | 36 | 4 | 19.5 | 14.1 | 1.2 | 0.011 |
| ARITH MEAN | | | | | | | 77 | 1285 | 8L | 4L | 6.1 | 12.0 | 0.6 | 0.006 |
| GEOM MEAN | | | | | | | 47 | 385 | 6L | 4L | 2.6 | 11.8 | 0.3 | 0.004 |
| MINIMUM | | | | | | | 10 | 68 | 4< | 4< | 0.0 | 8.3 | 0.016 | 0.001 |
| STD DEV | | | | | | | 74 | 2040 | 10L | 0L | 7.8 | 2.0 | 0.4 | 0.004 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 3 | 10 | 10 | 10 | 11 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PPO4FR PO4 FIL.REAC MG/L AS P | RST RESIDUE TOTAL MG/L | RSP RESIDUE PARTIC. MG/L | COND25 CONDUCT. 25C UMHO/CM AT 25 C | TURB TURB'ITY FTU | CLIDUR CHLORIDE UNF.REAC MG/L AS CL | ALKT ALK TOTAL MG/L AS CACO3 | PH PH | FWPH PH FIELD | PHNOL PHENOLS UNF-REAC UG/L PHENOL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 14 1350 | | | .3 | 1 | 0.001 | 70.00 | 1.00 | 73.0 | 0.65 | 1.500 | 24 | 7.30 | 7.2 | |
| 80 02 11 1120 | | | .3 | 1 | 0.001 | 70 | 5 | 81 | 0.65 | 2.0 | 29 | 7.0 | 7.7 | |
| 80 03 10 1445 | | | .3 | 1 | 0.001 | 75.00 | 1.00 | 85.0 | 0.65 | 2.200 | 32.0 | 7.30 | 7.6 | |
| 80 04 14 1545 | | | .3 | 1 | 0.001 | 95.00 | 3.00 | 87.0 | 0.65 | 4.800 | 27.0 | 7.10 | 7.9 | |
| 80 05 12 1455 | | | .3 | 1 | 0.001 | 60.00 | 1.00 | 52.0 | 0.45 | 1.600 | 18.0 | 7.60 | 7.6 | |
| 80 06 17 1025 | | | .3 | 1 | 0.001< | 75.00 | 1.00 | 77.0 | 0.80 | 1.900 | 28.0 | 7.40 | 7.7 | |
| 80 08 27 1125 | | | .3 | 1 | 0.001 | 120.00 | 2.00 | 118.0 | 2.10 | 3.700 | 46.0 | 8.00 | 8.2 | |
| 80 09 23 1100 | | | .3 | 1 | 0.001 | 95.00 | 4.00 | 60.0 | 0.90 | 1.900 | 21.0 | 7.20 | 8.2 | |
| 80 10 15 1100 | | | .3 | 1 | 0.001 | 90.00 | 1.00 | 64.0 | 0.95 | 2.000 | 23.0 | 7.50 | 7.8 | 4.000 |
| 80 11 17 | | | .3 | 1 | 0.001 | 60.00 | 1.00 | 65.0 | 0.75 | 2.000 | 22.0 | 7.40 | | |
| 80 12 15 1400 | | | .3 | 1 | 0.002 | 70.00 | 3.00 | 75.0 | 1.30 | 2.400 | 27.0 | 7.20 | 7.5 | |
| MAXIMUM | | | | | 0.002 | 120.00 | 5 | 118.0 | 2.10 | 4.800 | 46.0 | 8.00 | 8.2 | 4.000 |
| ARITH MEAN | | | | | 0.001L | 80 | 2 | 76 | 0.90 | 2.3 | 27 | 7.3 | 7.7 | 4.000 |
| GEOM MEAN | | | | | 0.001L | 78 | 1 | 74 | 0.82 | 2.2 | 26 | 7.3 | 7.7 | |
| MINIMUM | | | | | 0.001< | 60.00 | 1.00 | 52.0 | 0.45 | 1.500 | 18.0 | 7.0 | 7.2 | 4.000 |
| STD DEV | | | | | 0.000L | 18 | 1 | 17 | 0.46 | 0.9 | 7 | 0.2 | 0.3 | |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 10 | 1 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | FEUT IRON UNF.TOT. MG/L AS FE | HARDT HARDNESS TOTAL MG/L AS CACO3 | COLAP COLOUR APPARENT HZU | ASUT ARSENIC UNF.TOT. MG/L AS AS | CRUT CHROMIUM UNF.TOT. MG/L AS CR | CUUT COPPER UNF.TOT. MG/L AS CU | PBUT LEAD UNF.TOT. MG/L AS PB | CDUT CADMIUM UNF.TOT. MG/L AS CD | ZNUT ZINC UNF.TOT. MG/L AS ZN | MNUT MANGANSE UNF.TOT. MG/L AS MN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 14 1350 | | | .3 | 1 | | 31.000 | 50.000 | | | | | | | |
| 80 02 11 1120 | | | .3 | 1 | 0.41 | 33 | 50 | 0.001< | 0.002 | 0.001< | 0.001< | 0.001< | 0.001< | 0.009 |
| 80 03 10 1445 | | | .3 | 1 | | 35.000 | 50.000 | | | | | | | |
| 80 04 14 1545 | | | .3 | 1 | | 36.000 | 60.000 | | | | | | | |
| 80 05 12 1455 | | | .3 | 1 | 0.220 | 22.000 | 70.000 | 0.001 | 0.004 | 0.002 | 0.002 | 0.001< | 0.001< | 0.010 |
| 80 06 17 1025 | | | .3 | 1 | | 32.000 | 50.000 | | | | | | | |
| 80 08 27 1125 | | | .3 | 1 | 0.33 | 56.000 | 53.000 | 0.001< | 0.001< | 0.001 | 0.001< | 0.001 | 0.001< | 0.022 |
| 80 09 23 1100 | | | .3 | 1 | 0.900 | 30.000 | 109.000 | | | | | | | 0.028 |
| 80 10 15 1100 | | | .3 | 1 | 0.200 | 26.000 | 99.000 | 0.001< | 0.001< | 0.001 | 0.001 | 0.001< | 0.001 | 0.018 |
| 80 11 17 | | | .3 | 1 | 0.450 | 25.000 | 97.000 | | | | | | | 0.016 |
| 80 12 15 1400 | | | .3 | 1 | | 30.000 | 76.000 | | | | | | | |
| MAXIMUM | | | | | 0.900 | 56.000 | 109.000 | 0.001 | 0.004 | 0.002 | 0.002 | 0.001 | 0.001 | 0.028 |
| ARITH MEAN | | | | | 0.41 | 32 | 69 | 0.001L | 0.002L | 0.001L | 0.001L | 0.001L | 0.001L | 0.017 |
| GEOM MEAN | | | | | 0.36 | 31 | 66 | 0.001L | 0.002L | 0.001L | 0.001L | 0.001L | 0.001L | 0.016 |
| MINIMUM | | | | | 0.200 | 22.000 | 50.000 | 0.001< | 0.001< | 0.001< | 0.001< | 0.001< | 0.001< | 0.009 |
| STD DEV | | | | | 0.26 | 8 | 22 | 0.000L | 0.001L | 0.000L | 0.000L | 0.000L | 0.000L | 0.007 |
| NO OF SAMPLES | | | | | 6 | 11 | 11 | 4 | 4 | 4 | 4 | 4 | 4 | 6 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NIUT NICKEL UNF.TOT. MG/L AS NI | COUT COBALT UNF.TOT. MG/L AS CO |
|---|---|---|---|---|---|---|
| 80 02 11 1120 | | | .3 | 1 | 0.001 | 0.001< |
| 80 05 12 1455 | | | .3 | 1 | 0.001< | 0.001 |
| 80 08 27 1125 | | | .3 | 1 | 0.007 | 0.001< |
| 80 10 15 1100 | | | .3 | 1 | 0.007 | 0.001< |
| MAXIMUM | | | | | 0.007 | 0.001 |
| ARITH MEAN | | | | | 0.004L | 0.001L |
| GEOM MEAN | | | | | 0.003L | 0.001L |
| MINIMUM | | | | | 0.001< | 0.001< |
| STD DEV | | | | | 0.003L | 0.000L |
| NO OF SAMPLES | | | | | 4 | 4 |

B.O.W./ SITE: **MC VICAR CREEK**
SAMPLE POINT: **AT CUMBERLAND STREET THUNDER BAY**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **MC VICAR CREEK**

STATION ID: **01-0105-001-02**
STORET CODE: **02**
**001**
**7080**

LAT: LONG: U T M: **16 0336200.0 5367350.0 4** REGION: **06** DISTANCE: **0.322**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE SAMPLE NUMBER | FWSTRC STREAM COND. | TCMF COLIFORM TOTAL MF CNT /100ML | TCMFBK COLIFORM TOTAL MF BCKGRD CNT /100ML | FCMF FECAL COLIFORM MF CNT /100ML | FSMF FECAL STREPCUS MF CNT /100ML | FWTEMP WATER TEMP DEG.C | DO DISOLVED OXYGEN MG/L AS O | BOD5 BOD 5 DAY TOT.DEM. MG/L AS O | PPUT PHOSPHOR UNF.TOT. MG/L AS P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 14 1505 | | | .3 | 1 | 10009 | | 100< | 14000 | 4< | 12 | 0.5 | 13.9 | 1.0 | 0.001< |
| 80 02 11 1010 | | | .3 | 1 | 10023 | 4 | 30 | 1100 | 4< | 4< | 0.5 | 12.2 | | 0.003 |
| 80 03 10 1520 | | | .3 | 1 | 10037 | 4 | 1500> | 10000> | 12 | 8 | 0.0 | 12.1 | 1.6 | 0.030 |
| 80 04 14 1500 | | | .3 | 1 | 10051 | | 210 | 1170 | 4 | | 5.0 | 12.8 | 0.6 | 0.034 |
| 80 05 12 1050 | | | .3 | 1 | 10079 | 6 | 292C | 1000 | 8 | | 11.0 | 10.8 | 0.6 | 0.002 |
| 80 06 17 1050 | | | .3 | 1 | 10103 | | 1000 | 25000 | 64 | | 15.5 | 9.8 | 0.4 | 0.011 |
| 80 08 27 1230 | | | .3 | 1 | 10154 | | 2300 | 25000 | 172 | | 18.5 | 9.2 | 0.2 | 0.011 |
| 80 09 23 1120 | | | .3 | 1 | 10178 | 3 | 1000 | 4700 | 70I | | 7.0 | 11.6 | 0.8 | 0.006 |
| 80 10 15 1130 | | | .3 | 1 | 10201 | | 24000 | 36000 | 1410 | | 5.0 | 12.0 | 0.8 | 0.023 |
| 80 11 17 | | | .3 | 1 | 10216 | 8 | 36000 | 42000 | 3000 | | | | 0.6 | 0.014 |
| 80 12 15 1430 | | | .3 | 1 | 10231 | 4 | 100 | 368 | 12 | | 0.0 | 12.5 | 0.4 | 0.020 |
| MAXIMUM | | | | | | | 36000> | 42000> | 3000 | 12 | 18.5 | 13.9 | 1.6 | 0.034 |
| ARITH MEAN | | | | | | | 60488 | 145760 | 433L | 8L | 6.3 | 11.7 | 0.7 | 0.014L |
| GEOM MEAN | | | | | | | 7688 | 68870 | 38L | 7L | 3.3 | 11.6 | 0.6 | 0.009L |
| MINIMUM | | | | | | | 30< | 368 | 4< | 4< | 0.0 | 9.2 | 0.2 | 0.001< |
| STD DEV | | | | | | | 121638 | 151480 | 947L | 4L | 6.7 | 1.4 | 0.4 | 0.011L |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 3 | 10 | 10 | 10 | 11 |

(CONTD)

B.O.W./ SITE: **MC VICAR CREEK**
SAMPLE POINT: **AT CUMBERLAND STREET THUNDER BAY**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **MC VICAR CREEK**

STATION ID: **01-0105-001-02**
STORET CODE: **02 001 7000**

LAT: LONG: U T M: **16 0336200.0 5367350.0 4** REGION: **06** DISTANCE: **0.322**

| TEST-NAME: | | | | PPO4FR | RST | RSP | COND25 | TURB | CLIDUR | ALKT | PH | FWPH | PHNOL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL |
| 80 01 14 1505 | | .3 | 1 | 0.001 | 220.00 | 1.00 | 284.0 | 1.90 | 18.000 | 98 | 7.70 | 7.1 | |
| 80 02 11 1010 | | .3 | 1 | 0.002 | 240 | 2 | 326 | 2.2 | 23 | 108 | 7.7 | 8.2 | |
| 80 03 10 1520 | | .3 | 1 | 0.003 | 580.00 | 40.00 | 970.0 | 24.00 | 228.000 | 116.0 | 7.80 | 7.8 | |
| 80 04 14 1500 | | .3 | 1 | 0.003 | 240.00 | 15.00 | 325.0 | 4.10 | 39.000 | 81.0 | 7.80 | 7.9 | |
| 80 05 12 1050 | | .3 | 1 | 0.001< | 150.00 | 3.00 | 202.0 | 0.80 | 15.000 | 64.0 | 7.90 | 7.5 | |
| 80 06 17 1050 | | .3 | 1 | 0.001< | 230.00 | 2.00 | 330.0 | 3.70 | 26.000 | 110.0 | 8.10 | 8.2 | |
| 80 08 27 1230 | | .3 | 1 | 0.001 | 290.00 | 2.00 | 370.0 | 2.90 | 2.600 | 142.0 | 8.30 | 7.8 | |
| 80 09 23 1120 | | .3 | 1 | 0.001< | 180.00 | 3.00 | 68.0 | 1.10 | 16.000 | 71.0 | 7.80 | 8.2 | |
| 80 10 15 1130 | | .3 | 1 | 0.009 | 220.00 | 1.00 | 265.0 | 1.10 | 17.000 | 90.0 | 7.90 | 7.8 | 4.000 |
| 80 11 17 | | .3 | 1 | 0.003 | 150.00 | 2.00 | 245.0 | 1.40 | 16.000 | 80.0 | 7.90 | | |
| 80 12 15 1430 | | .3 | 1 | 0.016 | 220.00 | 2.00 | 280.0 | 2.00 | 18.000 | 93.0 | 7.60 | 7.6 | |
| MAXIMUM | | | | 0.016 | 580.00 | 40.00 | 970.0 | 24.00 | 228.000 | 142.0 | 8.30 | 8.2 | 4.000 |
| ARITH MEAN | | | | 0.004L | 247 | 6 | 333 | 4.1 | 38 | 95 | 7.8 | 7.8 | 4.000 |
| GEOM MEAN | | | | 0.002L | 230 | 2 | 281 | 2.3 | 20 | 93 | 7.8 | 7.8 | |
| MINIMUM | | | | 0.001< | 150.00 | 1.00 | 68.0 | 0.80 | 2.600 | 64.0 | 7.60 | 7.1 | 4.000 |
| STD DEV | | | | 0.005L | 117 | 11 | 226 | 6.6 | 63 | 22 | 0.2 | 0.4 | |
| NO OF SAMPLES | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 10 | 1 |

| TEST-NAME: | | | | FEUT | HARDT | COLAP | ASUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN |
| 80 01 14 1505 | | .3 | 1 | | 122.000 | 30.000 | | | | | | | |
| 80 02 11 1010 | | .3 | 1 | 0.59 | 144 | 30 | 0.001< | 0.003 | 0.005 | 0.001< | 0.001< | 0.009 | 0.078 |
| 80 03 10 1520 | | .3 | 1 | | 146.000 | 70 < | | | | | | | |
| 80 04 14 1500 | | .3 | 1 | | 116.000 | 40.000 | | | | | | | |
| 80 05 12 1050 | | .3 | 1 | 0.330 | 87.000 | 40.000 | 0.001 | 0.001 | 0.001 | 0.016 | 0.001< | 0.005 | 0.013 |
| 80 06 17 1050 | | .3 | 1 | | 148.000 | 41.000 | | | | | | | |
| 80 08 27 1230 | | .3 | 1 | 1.0 | 178.000 | 54.000 | 0.001< | 0.001 | 0.001 | 0.009 | 0.001 | 0.008 | 0.033 |
| 80 09 23 1120 | | .3 | 1 | 0.600 | 100.000 | 98.000 | | | | | | | 0.042 |
| 80 10 15 1130 | | .3 | 1 | 0.550 | 117.000 | 56.000 | 0.001< | 0.001< | 0.002 | 0.003 | 0.001 | 0.009 | 0.075 |
| 80 11 17 | | .3 | 1 | 0.550 | 107.000 | 51.000 | | | | | | | 0.068 |
| 80 12 15 1430 | | .3 | 1 | | 117.000 | 38.000 | | | | | | | |
| MAXIMUM | | | | 1.0 | 178.000 | 98.000 | 0.001 | 0.003 | 0.005 | 0.016 | 0.001 | 0.009 | 0.078 |
| ARITH MEAN | | | | 0.6 | 125 | 49 L | 0.001L | 0.001L | 0.002 | 0.007L | 0.001L | 0.008 | 0.051 |
| GEOM MEAN | | | | 0.5 | 123 | 46 L | 0.001L | 0.001L | 0.002 | 0.006L | 0.001L | 0.008 | 0.044 |
| MINIMUM | | | | 0.330 | 87.000 | 30.000< | 0.001< | 0.001< | 0.001 | 0.001< | 0.001< | 0.005 | 0.013 |
| STD DEV | | | | 0.2 | 25 | 19 L | 0.000L | 0.001L | 0.002 | 0.007L | 0.000L | 0.002 | 0.028 |
| NO OF SAMPLES | | | | 6 | 11 | 11 | 4 | 4 | 4 | 4 | 4 | 4 | 6 |

| TEST-NAME: | | | | NIUT | COUT |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 02 11 1010 | | .3 | 1 | 0.001< | 0.001< |
| 80 05 12 1050 | | .3 | 1 | 0.001< | 0.001< |
| 80 08 27 1230 | | .3 | 1 | 0.001 | 0.001 |
| 80 10 15 1130 | | .3 | 1 | 0.016 | 0.001< |
| MAXIMUM | | | | 0.016 | 0.001 |
| ARITH MEAN | | | | 0.006L | 0.001L |
| GEOM MEAN | | | | 0.002L | 0.001L |
| MINIMUM | | | | 0.001< | 0.001< |
| STD DEV | | | | 0.007L | 0.000L |
| NO OF SAMPLES | | | | 4 | 4 |

B.O.W./ SITE: **MC INTYRE RIVER**
SAMPLE POINT: **AT HAMMOND AVE THUNDER BAY**
STATION TYPE: **RIVER FLOW GAUGE FED 02AB016**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **MC INTYRE RIVER**

STATION ID: **01-0106-001-02**
STORET CODE: **02 001 7000**

LAT: LONG: U T M: **16 0334850.0 5364000.0 4** REGION: **06** DISTANCE: **0.966**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 14 1500 | | .3 | 1 | 10011 | 4 | 0.142 | 4300 | 4200 | 330 | 28 | 0.0 | 12.2 | 2.0 |
| 80 02 11 0945 | | .3 | 1 | 10025 | | 0.094 | 1380 | 1500 | 228 | 100 | 0.5 | 11.0 | |
| 80 03 10 1550 | | .3 | 1 | 10039 | 4 | 0.061 | 4100 | 5000 | 320 | 60 | 0.0 | 12.0 | 2.0 |
| 80 04 30 1030 | | .3 | 1 | 10057 | | 3.480 | 70I | 550 | 8 | 12 | 7.0 | 11.2 | |
| 80 05 06 1525 | | .3 | 1 | 10058 | | 1.750 | 1800 | 12000 | 520 | 160 | 11.0 | 9.1 | |
| 80 05 12 1540 | | .3 | 1 | 10081 | 6 | 2.170 | 270 | 2500 | 28 | | 11.0 | 11.7 | 0.8 |
| 80 06 17 1115 | | .3 | 1 | 10105 | | 0.289 | 1000 | 8100 | 100 | | 15.5 | 8.8 | 0.6 |
| 80 08 27 1250 | | .3 | 1 | 10153 | | 0.189 | 2100 | 25000 | 220 | | 20.0 | 4.2 | 0.6 |
| 80 09 23 1135 | | .3 | 1 | 10177 | 3 | 2.600 | 700I | 6700 | 100 | | 7.0 | 10.0 | 1.0 |
| 80 10 15 1145 | | .3 | 1 | 10202 | | 0.715 | 1200 | 1800 | 130 | | 3.5 | 10.9 | 0.8 |
| 80 11 17 | | .3 | 1 | 10217 | 8 | 0.808 | 210 | 1530 | 112 | | | | 0.4 |
| 80 12 15 1530 | | .3 | 1 | 10232 | 4 | 0.460 | 168 | 316 | 28 | | 0.0 | 7.0 | 1.2 |
| MAXIMUM | | | | | | 3.480 | 4300 | 25000 | 520 | 160 | 20.0 | 12.2 | 2.0 |
| ARITH MEAN | | | | | | 1.083 | 1441 | 5766 | 177 | 72 | 6.9 | 9.8 | 1.0 |
| GEOM MEAN | | | | | | 0.622 | 781 | 3036 | 108 | 50 | 3.9 | 9.5 | 0.9 |
| MINIMUM | | | | | | 0.061 | 70 | 316 | 8 | 12 | 0.0 | 4.2 | 0.4 |
| STD DEV | | | | | | 1.162 | 1446 | 6891 | 153 | 60 | 6.9 | 2.4 | 0.6 |
| NO OF SAMPLES | | | | | | 12 | 12 | 12 | 12 | 5 | 11 | 11 | 9 |

(CONTD)

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 14 1500 | | | .3 | 1 | 0.015 | 0.003 | 0.090 | 0.620 | 0.006 | 0.340 | 0.436 | 0.530 | 0.966 | 230.00 |
| 80 02 11 0945 | | | .3 | 1 | 0.015 | 0.003 | 0.11 | 0.63 | 0.005 | 0.31 | 0.425 | 0.520 | 0.945 | 180 |
| 80 03 10 1550 | | | .3 | 1 | 0.015 | 0.003 | 0.120 | 0.840 | 0.006 | 0.360 | 0.486 | 0.720 | 1.206 | 235.00 |
| 80 04 30 1030 | | | .3 | 1 | 0.061 | 0.014 | | 0.610 | 0.015 | 0.020 | | | 0.645 | |
| 80 05 06 1525 | | | .3 | 1 | 0.017 | 0.003 | | | | | | | | |
| 80 05 12 1540 | | | .3 | 1 | 0.011 | 0.001 | 0.010 | 0.400 | 0.004 | 0.090 | 0.104 | 0.390 | 0.494 | 130.00 |
| 80 06 17 1115 | | | .3 | 1 | 0.027 | 0.001 | 0.020 | 0.380 | 0.005 | 0.120 | 0.145 | 0.360 | 0.505 | 160.00 |
| 80 08 27 1250 | | | .3 | 1 | 0.055 | 0.008 | 0.200 | 0.690 | 0.014 | 0.080 | 0.294 | 0.490 | 0.784 | 280.00 |
| 80 09 23 1135 | | | .3 | 1 | 0.025 | 0.003 | 0.030 | 0.620 | 0.005 | 0.100 | 0.135 | 0.590 | 0.725 | 190.00 |
| 80 10 15 1145 | | | .3 | 1 | 0.015 | 0.002 | 0.020 | 0.410 | 0.004 | 0.070 | 0.094 | 0.390 | 0.484 | 190.00 |
| 80 11 17 | | | .3 | 1 | 0.017 | 0.003 | 0.020 | 0.420 | 0.004 | 0.180 | 0.204 | 0.400 | 0.604 | 160.00 |
| 80 12 15 1530 | | | .3 | 1 | 0.013 | 0.001 | 0.070 | 0.570 | 0.004 | 0.270 | 0.344 | 0.500 | 0.844 | 190.00 |
| MAXIMUM | | | | | 0.061 | 0.014 | 0.200 | 0.840 | 0.015 | 0.380 | 0.486 | 0.720 | 1.206 | 280.00 |
| ARITH MEAN | | | | | 0.024 | 0.004 | 0.06 | 0.56 | 0.007 | 0.17 | 0.267 | 0.489 | 0.748 | 194 |
| GEOM MEAN | | | | | 0.020 | 0.003 | 0.04 | 0.54 | 0.006 | 0.13 | 0.227 | 0.478 | 0.716 | 190 |
| MINIMUM | | | | | 0.011 | 0.001 | 0.010 | 0.380 | 0.004 | 0.020 | 0.094 | 0.360 | 0.484 | 130.00 |
| STD DEV | | | | | 0.017 | 0.004 | 0.06 | 0.14 | 0.004 | 0.12 | 0.149 | 0.111 | 0.231 | 43 |
| NO OF SAMPLES | | | | | 12 | 12 | 10 | 11 | 11 | 11 | 10 | 10 | 11 | 10 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | ALKT | PH | FWPH | PHNOL | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE |
| 80 01 14 1500 | | | .3 | 1 | 5.00 | | 306.0 | 4.20 | 36.000 | 82 | 7.50 | 7.1 | | |
| 80 02 11 0945 | | | .3 | 1 | 4 | | 235 | 4.2 | 15 | 82 | 7.4 | 8.0 | | 0.56 |
| 80 03 10 1550 | | | .3 | 1 | 10.00 | | 345.0 | 7.10 | 45.000 | 89.0 | 7.40 | 7.4 | | |
| 80 04 30 1030 | | | .3 | 1 | 0.15 | 125.000 | 132.0 | | | 35.0 | 7.20 | 6.7 | | |
| 80 05 06 1525 | | | .3 | 1 | 5.00 | 104.000 | | | | 49.0 | 7.60 | 8.0 | | |
| 80 05 12 1540 | | | .3 | 1 | 4.00 | | 171.0 | 2.60 | 14.000 | 59.0 | 7.60 | 7.4 | | 0.470 |
| 80 06 17 1115 | | | .3 | 1 | 4.00 | | 224.0 | 6.80 | 21.000 | 67.0 | 7.60 | 7.7 | | |
| 80 08 27 1250 | | | .3 | 1 | 15.00 | | 300.0 | 12.00 | 27.000 | 100.0 | 7.30 | 7.6 | | 2.3 |
| 80 09 23 1135 | | | .3 | 1 | 5.00 | | 185.0 | 4.10 | 14.000 | 54.0 | 7.20 | 7.7 | | 1.300 |
| 80 10 15 1145 | | | .3 | 1 | 3.00 | | 220.0 | 2.90 | 16.000 | 71.0 | 7.60 | 7.6 | 4.000 | |
| 80 11 17 | | | .3 | 1 | 2.00 | | 220.0 | 2.70 | 19.000 | 64.0 | 7.50 | | | 0.950 |
| 80 12 15 1530 | | | .3 | 1 | 3.00 | | 240.0 | 3.00 | 17.000 | 81.0 | 7.30 | 7.4 | | |
| MAXIMUM | | | | | 15.00 | 125.000 | 345.0 | 12.00 | 45.000 | 100.0 | 7.60 | 8.0 | 4.000 | 2.3 |
| ARITH MEAN | | | | | 5 | 114.500 | 234 | 4.9 | 22 | 69 | 7.4 | 7.5 | 4.000 | 1.1 |
| GEOM MEAN | | | | | 3 | 114.017 | 226 | 4.3 | 20 | 66 | 7.4 | 7.5 | | 0.9 |
| MINIMUM | | | | | 0.15 | 104.000 | 132.0 | 2.60 | 14.000 | 35.0 | 7.20 | 6.7 | 4.000 | 0.470 |
| STD DEV | | | | | 3 | 14.849 | 62 | 2.9 | 10 | 18 | 0.1 | 0.4 | | 0.7 |
| NO OF SAMPLES | | | | | 12 | 2 | 11 | 10 | 10 | 12 | 12 | 11 | 1 | 5 |

| TEST-NAME: | | | | | HARDT | COLAP | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | HARDNESS TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. MG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN |
| 80 01 14 1500 | | | .3 | 1 | 98.000 | 50.000 | 0.001< | 0.05 < | 0.001< | 0.005 | 0.003 | 0.001< | 0.015 | |
| 80 02 11 0945 | | | .3 | 1 | 98 | 30 | 0.001< | 0.05 < | 0.001 | 0.004 | 0.001< | 0.001< | 0.020 | 0.75 |
| 80 03 10 1550 | | | .3 | 1 | 106.000 | 40.000 | 0.001< | 0.05 < | 0.006 | 0.006 | 0.008 | 0.001 | 0.016 | |
| 80 04 30 1030 | | | .3 | 1 | | | 0.004 | 0.050< | 0.013 | 0.011 | 0.004 | 0.001< | 0.009 | |
| 80 05 06 1525 | | | .3 | 1 | | | 0.001 | 0.050< | 0.001 | 0.002 | 0.001< | 0.001 | 0.009 | |
| 80 05 12 1540 | | | .3 | 1 | 69.000 | 60.000 | 0.001 | 0.050< | 0.002 | 0.002 | 0.006 | 0.001< | 0.003 | 0.024 |
| 80 06 17 1115 | | | .3 | 1 | 86.000 | 45.000 | 0.001 | 0.050< | 0.001 | 0.010 | 0.003 | 0.001 | 0.008 | |
| 80 08 27 1250 | | | .3 | 1 | 126.000 | 58.000 | 0.001< | 0.05 | 0.001 | 0.003 | 0.008 | 0.001 | 0.013 | 0.10 |
| 80 09 23 1135 | | | .3 | 1 | 85.000 | 157.000 | 0.001 | 0.050< | 0.002 | 0.009 | 0.007 | 0.001< | 0.015 | 0.043 |
| 80 10 15 1145 | | | .3 | 1 | 93.000 | 90.000 | 0.001< | 0.070 | 0.003 | 0.001 | 0.001 | 0.001< | 0.006 | 0.072 |
| 80 11 17 | | | .3 | 1 | 87.000 | 83.000 | | | | | | | | 0.074 |
| 80 12 15 1530 | | | .3 | 1 | 101.000 | 68.000 | | | | | | | | |
| MAXIMUM | | | | | 126.000 | 157.000 | 0.004 | 0.070 | 0.013 | 0.011 | 0.008 | 0.001 | 0.020 | 0.75 |
| ARITH MEAN | | | | | 94 | 68 | 0.001L | 0.05 L | 0.003L | 0.005 | 0.004L | 0.001L | 0.011 | 0.17 |
| GEOM MEAN | | | | | 93 | 61 | 0.001L | 0.05 L | 0.002L | 0.004 | 0.003L | 0.001L | 0.010 | 0.08 |
| MINIMUM | | | | | 69.000 | 30 | 0.001< | 0.05 < | 0.001< | 0.001 | 0.001< | 0.001< | 0.003 | 0.024 |
| STD DEV | | | | | 18 | 36 | 0.001L | 0.00 L | 0.004L | 0.004 | 0.003L | 0.000L | 0.005 | 0.28 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 |

| TEST-NAME: | | | | | NIUT | COUT | CCNAUR | P1PCBT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN | PCB TOTAL UG/L |
| 80 01 14 1500 | | | .3 | 1 | | | | 0.020R |
| 80 02 11 0945 | | | .3 | 1 | 0.001< | 0.001< | 0.010< | |
| 80 03 10 1550 | | | .3 | 1 | | | | 0.020R |
| 80 04 30 1030 | | | .3 | 1 | | | | 0.020R |
| 80 05 06 1525 | | | .3 | 1 | | | | 0.020R |
| 80 05 12 1540 | | | .3 | 1 | 0.001< | 0.001< | 0.010< | |
| 80 08 27 1250 | | | .3 | 1 | 0.002 | 0.002 | 0.01 < | |
| 80 09 23 1135 | | | .3 | 1 | 0.007 | | | 0.020R |
| 80 10 15 1145 | | | .3 | 1 | 0.014 | 0.001< | 0.010 | 0.020R |
| 80 12 15 1530 | | | .3 | 1 | | | | 0.020R |
| MAXIMUM | | | | | 0.014 | 0.002 | 0.010 | |
| ARITH MEAN | | | | | 0.005L | 0.001L | 0.01 L | |
| GEOM MEAN | | | | | 0.003L | 0.001L | 0.01 L | |
| MINIMUM | | | | | 0.001< | 0.001< | 0.010< | |
| STD DEV | | | | | 0.006L | 0.000L | 0.00 L | |
| NO OF SAMPLES | | | | | 5 | 4 | 4 | |

B.O.W./ SITE: **MC INTYRE RIVER**
SAMPLE POINT: **HIGHWAY 11 & 17 CITY OF THUNDER BAY**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **MC INTYRE RIVER**

STATION ID: **01-0106-002-02**
STORET CODE: **02**
**001**
**7980**

LAT:
LONG:
U T M: **16 0333600.0 5362975.0 4**
REGION: **06**
DISTANCE: **1.931**

| | TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 14 1605 | | | .3 | 1 | 10010 | 4 | 480 | 900 | 16 | 60 | 0.0 | 13.2 | 1.0 | 0.006 |
| 80 02 11 1200 | | | .3 | 1 | 10024 | 4 | 344 | 32 | 20 | 16 | 0.5 | 12.6 | | 0.005 |
| 80 03 10 1425 | | | .3 | 1 | 10038 | 4 | 160 | 320 | 4< | 4< | 0.0 | 13.8 | 0.4 | 0.002 |
| 80 04 14 0930 | | | .3 | 1 | 10052 | | 100 | 1050 | 12 | | 0.5 | 13.0 | 0.4 | 0.026 |
| 80 05 12 1438 | | | .3 | 1 | 10080 | 6 | 270 | 1150 | 28 | | 9.0 | 10.6 | 0.6 | 0.010 |
| 80 06 17 0950 | | | .3 | 1 | 10104 | | | | | | 15.5 | 9.1 | 0.4 | 0.013 |
| 80 08 27 1110 | | | .3 | 1 | 10150 | | 800I | 10700 | 136 | | 17.5 | 9.7 | 0.2 | 0.015 |
| 80 09 23 1020 | | | .3 | 1 | 10174 | 3 | 900I | 5800 | 84 | | 6.0 | 11.6 | 1.0 | 0.018 |
| 80 10 15 1015 | | | .3 | 1 | 10198 | | 260 | 310 | 50I | | 1.5 | 12.0 | 0.8 | 0.013 |
| 80 11 17 | | | .3 | 1 | 10213 | 8 | 132 | 760 | 12 | | | | 0.6 | 0.007 |
| 80 12 15 1330 | | | .3 | 1 | 10228 | 4 | 100 | 368 | 12 | | 0.0 | 12.5 | 0.4 | 0.010 |
| MAXIMUM | | | | | | | 900 | 10700 | 136 | 60 | 17.5 | 13.8 | 1.0 | 0.026 |
| ARITH MEAN | | | | | | | 355 | 2139 | 37L | 27L | 5.0 | 11.8 | 0.6 | 0.011 |
| GEOM MEAN | | | | | | | 266 | 755 | 23L | 16L | 2.4 | 11.7 | 0.5 | 0.009 |
| MINIMUM | | | | | | | 100 | 32 | 4< | 4< | 0.0 | 9.1 | 0.2 | 0.002 |
| STD DEV | | | | | | | 288 | 3440 | 42L | 29L | 6.8 | 1.6 | 0.3 | 0.007 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 3 | 10 | 10 | 10 | 11 |

| | TEST-NAME: | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 14 1605 | | | .3 | 1 | 0.004 | 0.010 | 0.250 | 0.004 | 0.250 | 0.264 | 0.240 | 0.504 | 140.00 | 1.00 |
| 80 02 11 1200 | | | .3 | 1 | 0.004 | 0.01 | 0.25 | 0.004 | 0.29 | 0.304 | 0.240 | 0.544 | 140 | 1 |
| 80 03 10 1425 | | | .3 | 1 | 0.004 | 0.010 | 0.220 | 0.004 | 0.340 | 0.354 | 0.210 | 0.564 | 140.00 | 1.00 |
| 80 04 14 0930 | | | .3 | 1 | 0.007 | 0.040 | 0.460 | 0.006 | 0.630 | 0.676 | 0.420 | 1.096 | 150.00 | 2.00 |
| 80 05 12 1438 | | | .3 | 1 | 0.002 | 0.010< | 0.460 | 0.003 | 0.080 | 0.093 | 0.450 | 0.543 | 110.00 | 4.00 |
| 80 06 17 0950 | | | .3 | 1 | 0.001< | 0.010< | 0.390 | 0.003 | 0.070 | 0.083 | 0.380 | 0.463 | 150.00 | 1.00 |
| 80 08 27 1110 | | | .3 | 1 | 0.003 | 0.010< | 0.440 | 0.004 | 0.030 | 0.044 | 0.430 | 0.474 | 240.00 | 3.00 |
| 80 09 23 1020 | | | .3 | 1 | 0.002 | 0.010 | 0.590 | 0.004 | 0.030 | 0.044 | 0.580 | 0.624 | 150.00 | 4.00 |
| 80 10 15 1015 | | | .3 | 1 | 0.002 | 0.010< | 0.390 | 0.004 | 0.050 | 0.064 | 0.380 | 0.444 | 170.00 | 1.00 |
| 80 11 17 | | | .3 | 1 | 0.001< | 0.010< | 0.350 | 0.004 | 0.160 | 0.174 | 0.340 | 0.514 | 110.00 | 1.00 |
| 80 12 15 1330 | | | .3 | 1 | 0.003 | 0.040 | 0.280 | 0.003 | 0.230 | 0.273 | 0.240 | 0.513 | 190.00 | 2.00 |
| MAXIMUM | | | | | 0.007 | 0.040 | 0.590 | 0.006 | 0.630 | 0.676 | 0.580 | 1.096 | 240.00 | 4.00 |
| ARITH MEAN | | | | | 0.003L | 0.01 L | 0.37 | 0.004 | 0.19 | 0.216 | 0.355 | 0.571 | 153 | 1 |
| GEOM MEAN | | | | | 0.003L | 0.01 L | 0.35 | 0.004 | 0.12 | 0.150 | 0.339 | 0.553 | 150 | 1 |
| MINIMUM | | | | | 0.001< | 0.010< | 0.220 | 0.003 | 0.030 | 0.044 | 0.210 | 0.444 | 110.00 | 1.00 |
| STD DEV | | | | | 0.002L | 0.01 L | 0.11 | 0.001 | 0.18 | 0.190 | 0.116 | 0.181 | 38 | 1 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| | TEST-NAME: | | | | COND25 | TURB | CLIDUR | ALKT | PH | FWPH | PHNOL | FEUT | HARDT | COLAP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU |
| 80 01 14 1605 | | | .3 | 1 | 180.0 | 2.90 | 6.700 | 71 | 7.60 | 7.4 | | | 83.000 | 40.000 |
| 80 02 11 1200 | | | .3 | 1 | 195 | 3.1 | 6.4 | 77 | 7.5 | 7.2 | | 0.54 | 85 | 30 |
| 80 03 10 1425 | | | .3 | 1 | 209.0 | 2.90 | 7.100 | 86.0 | 7.70 | 7.7 | | | 92.000 | 30.000 |
| 80 04 14 0930 | | | .3 | 1 | 209.0 | 2.40 | 31.000 | 65.0 | 7.70 | 7.8 | | | 84.000 | 50.000 |
| 80 05 12 1438 | | | .3 | 1 | 131.0 | 1.80 | 8.000 | 43.0 | 7.90 | 7.4 | | 0.340 | 56.000 | 60.000 |
| 80 06 17 0950 | | | .3 | 1 | 196.0 | 1.90 | 9.200 | 76.0 | 7.90 | 8.1 | | | 88.000 | 50.000 |
| 80 08 27 1110 | | | .3 | 1 | 250.0 | 2.30 | 9.300 | 108.0 | 7.80 | 8.3 | | 0.84 | 120.000 | 64.000 |
| 80 09 23 1020 | | | .3 | 1 | 134.0 | 3.00 | 6.600 | 46.0 | 7.20 | 8.0 | | 0.950 | 68.000 | 150.000 |
| 80 10 15 1015 | | | .3 | 1 | 175.0 | 1.90 | 8.700 | 64.0 | 7.70 | 7.7 | 4.000 | 0.450 | 75.000 | 90.000 |
| 80 11 17 | | | .3 | 1 | 160.0 | 1.70 | 7.800 | 56.0 | 7.70 | | | 0.400 | 71.000 | 74.000 |
| 80 12 15 1330 | | | .3 | 1 | 185.0 | 2.30 | 9.200 | 71.0 | 7.40 | 7.7 | | 1.000 | 83.000 | 54.000 |
| MAXIMUM | | | | | 250.0 | 3.1 | 31.000 | 108.0 | 7.90 | 8.3 | 4.000 | 1.000 | 120.000 | 150.000 |
| ARITH MEAN | | | | | 184 | 2.3 | 10.0 | 69 | 7.6 | 7.7 | 4.000 | 0.64 | 82 | 62 |
| GEOM MEAN | | | | | 181 | 2.3 | 8.8 | 67 | 7.6 | 7.7 | | 0.59 | 80 | 56 |
| MINIMUM | | | | | 131.0 | 1.70 | 6.4 | 43.0 | 7.20 | 7.2 | 4.000 | 0.340 | 56.000 | 30 |
| STD DEV | | | | | 34 | 0.5 | 7.0 | 18 | 0.2 | 0.3 | | 0.27 | 16 | 33 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 10 | 1 | 7 | 11 | 11 |

| | TEST-NAME: | | | | ASUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 02 11 1200 | | | .3 | 1 | 0.001< | 0.001 | 0.002 | 0.002 | 0.001< | 0.003 | 0.017 | 0.001< | 0.001< | 0.010< |
| 80 05 12 1438 | | | .3 | 1 | 0.001 | 0.002 | 0.001 | 0.007 | 0.001< | 0.001 | 0.030 | 0.001< | 0.001< | 0.010< |
| 80 08 27 1110 | | | .3 | 1 | 0.001< | 0.001< | 0.001 | 0.001 | 0.001 | 0.001 | 0.023 | 0.001 | 0.001 | 0.01 < |
| 80 09 23 1020 | | | .3 | 1 | | | | | | | 0.022 | | | |
| 80 10 15 1015 | | | .3 | 1 | 0.001< | 0.001< | 0.001 | 0.001< | 0.001 | 0.001 | 0.024 | 0.016 | 0.001< | |
| 80 11 17 | | | .3 | 1 | | | | | | | 0.019 | | | |
| 80 12 15 1330 | | | .3 | 1 | | | 0.005 | | | 0.020 | 0.019 | | | |
| MAXIMUM | | | | | 0.001 | 0.002 | 0.005 | 0.007 | 0.001 | 0.020 | 0.030 | 0.016 | 0.001 | 0.01 |
| ARITH MEAN | | | | | 0.001L | 0.001L | 0.002 | 0.003L | 0.001L | 0.005 | 0.022 | 0.005L | 0.001L | 0.01 L |
| GEOM MEAN | | | | | 0.001L | 0.001L | 0.002 | 0.002L | 0.001L | 0.002 | 0.022 | 0.002L | 0.001L | 0.01 L |
| MINIMUM | | | | | 0.001< | 0.001< | 0.001 | 0.001< | 0.001< | 0.001 | 0.017 | 0.001< | 0.001< | 0.010< |
| STD DEV | | | | | 0.000L | 0.000L | 0.002 | 0.003L | 0.000L | 0.008 | 0.004 | 0.007L | 0.000L | 0.00 L |
| NO OF SAMPLES | | | | | 4 | 4 | 5 | 4 | 4 | 5 | 7 | 4 | 4 | 3 |

B.O.W./ SITE: **NEEBING RIVER**
SAMPLE POINT: **AT 110TH AVE THUNDER BAY**
STATION TYPE: **RIVER FLOW GAUGE FED 02AB008**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **NEEBING RIVER**

STATION ID: **01-0107-001-02**
STORET CODE **02**
**001**
**7910**

LAT:
LONG:
U T M: **16 0333875.0 5363125.0 4**
REGION: **06**
DISTANCE **0.005**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 14 1435 | | | .3 | 1 | 10013 | 4 | 0.117 | 2100C | 40000 | 820 | 176 | 0.0 | 9.7 | 1.8 |
| 80 02 11 0935 | | | .3 | 1 | 10027 | | 0.090 | 1100 | 12000 | 240 | 32 | 0.5 | 8.6 | |
| 80 03 10 1610 | | | .3 | 1 | 10041 | 4 | 0.065 | 15000> | 80000 | 500 | 184 | 0.0 | 8.8 | 0.6 |
| 80 05 12 1415 | | | .3 | 1 | 10083 | 6 | 2.390 | 700I | 8800 | 96 | | 11.5 | 10.4 | 0.6 |
| 80 06 17 1125 | | | .3 | 1 | 10107 | | 0.145 | 300I | 7800 | 88 | | 15.0 | 9.1 | 1.2 |
| 80 08 27 1310 | | | .3 | 1 | 10155 | | 0.670 | 1000 | 20000 | 160 | | 22.0 | 6.2 | 2.0 |
| 80 09 23 1110 | | | .3 | 1 | 10179 | 3 | 5.110 | 1200 | 4800 | 190 | | 9.0 | 10.9 | 1.0 |
| 80 10 15 1300 | | | .3 | 1 | 10203 | | 1.170 | 330 | 710 | 140 | | 4.0 | 11.4 | 0.8 |
| 80 11 17 | | | .3 | 1 | 10218 | 8 | 1.070 | 440 | 510 | 130 | | | | 0.6 |
| 80 12 15 1540 | | | .3 | 1 | 10233 | 4 | 0.380 | 440 | 510 | 130 | | 0.0 | 11.0 | 1.4 |
| MAXIMUM | | | | | | | 5.110 | 15000> | 80000 | 820 | 184 | 22.0 | 11.4 | 2.0 |
| ARITH MEAN | | | | | | | 1.121 | 2261G | 17513 | 249 | 131 | 6.9 | 9.6 | 1.1 |
| GEOM MEAN | | | | | | | 0.456 | 943G | 5847 | 190 | 101 | 3.4 | 9.4 | 1.0 |
| MINIMUM | | | | | | | 0.065 | 300 | 510 | 88 | 32 | 0.0 | 6.2 | 0.6 |
| STD DEV | | | | | | | 1.578 | 4509G | 25032 | 233 | 86 | 8.0 | 1.6 | 0.5 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 3 | 9 | 9 | 9 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 14 1435 | | | .3 | 1 | 0.029 | 0.006 | 0.270 | 0.780 | 0.006 | 0.430 | 0.706 | 0.510 | 1.216 | 490.00 |
| 80 02 11 0935 | | | .3 | 1 | 0.039 | 0.005 | 0.33 | 1.2 | 0.004 | 0.42 | 0.754 | 0.870 | 1.624 | 260 |
| 80 03 10 1610 | | | .3 | 1 | 0.037 | 0.006 | 0.380 | 0.830 | 0.005 | 0.520 | 0.905 | 0.450 | 1.355 | 330.00 |
| 80 05 12 1415 | | | .3 | 1 | 0.020 | 0.002 | 0.030 | 0.580 | 0.005 | 0.130 | 0.165 | 0.550 | 0.715 | 180.00 |
| 80 06 17 1125 | | | .3 | 1 | 0.032 | 0.001< | 0.010 | 0.470 | 0.005 | 0.110 | 0.125 | 0.460 | 0.585 | 170.00 |
| 80 08 27 1310 | | | .3 | 1 | 0.031 | 0.001 | 0.050 | 0.600 | 0.020 | 0.180 | 0.250 | 0.550 | 0.800 | 370.00 |
| 80 09 23 1110 | | | .3 | 1 | 0.020 | 0.002 | 0.020 | 0.670 | 0.004 | 0.120 | 0.144 | 0.650 | 0.794 | 200.00 |
| 80 10 15 1300 | | | .3 | 1 | 0.023 | 0.004 | 0.070 | 0.690 | 0.005 | 0.150 | 0.225 | 0.620 | 0.845 | 230.00 |
| 80 11 17 | | | .3 | 1 | 0.008 | 0.001< | 0.030 | 0.460 | 0.003 | 0.180 | 0.213 | 0.430 | 0.643 | 160.00 |
| 80 12 15 1540 | | | .3 | 1 | 0.029 | 0.005 | 0.220 | 0.860 | 0.005 | 0.310 | 0.535 | 0.640 | 1.175 | 280.00 |
| MAXIMUM | | | | | 0.039 | 0.006 | 0.380 | 1.2 | 0.020 | 0.520 | 0.905 | 0.870 | 1.624 | 490.00 |
| ARITH MEAN | | | | | 0.027 | 0.003L | 0.14 | 0.7 | 0.006 | 0.25 | 0.402 | 0.573 | 0.975 | 267 |
| GEOM MEAN | | | | | 0.025 | 0.003L | 0.07 | 0.6 | 0.005 | 0.21 | 0.314 | 0.561 | 0.924 | 250 |
| MINIMUM | | | | | 0.008 | 0.001< | 0.010 | 0.460 | 0.003 | 0.110 | 0.125 | 0.430 | 0.585 | 160.00 |
| STD DEV | | | | | 0.009 | 0.002L | 0.14 | 0.2 | 0.005 | 0.15 | 0.294 | 0.131 | 0.345 | 104 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | RSP | COND25 | TURB | CLIDUR | ALKT | PH | FWPH | PHNOL | FEUT | HARDT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 |
| 80 01 14 1435 | | | .3 | 1 | 5.00 | 385.0 | 15.00 | 31.000 | 135 | 7.40 | 7.5 | | | 170.000 |
| 80 02 11 0935 | | | .3 | 1 | 5 | 406 | 16 | 30 | 138 | 7.2 | 7.5 | | 2.1 | 171 |
| 80 03 10 1610 | | | .3 | 1 | 10.00 | 475.0 | 18.00 | 48.000 | 150.0 | 7.30 | 7.3 | | | 179.000 |
| 80 05 12 1415 | | | .3 | 1 | 10.00 | 233.0 | 5.10 | 15.000 | 77.0 | 7.70 | 7.4 | | 1.700 | 100.000 |
| 80 06 17 1125 | | | .3 | 1 | 5.00 | 264.0 | 5.70 | 18.000 | 90.0 | 7.70 | 7.8 | | | 114.000 |
| 80 08 27 1310 | | | .3 | 1 | 4.00 | 435.0 | 2.60 | 41.000 | 146.0 | 7.60 | 7.8 | | 0.470 | 196.000 |
| 80 09 23 1110 | | | .3 | 1 | 10.00 | 215.0 | 5.70 | 11.000 | 73.0 | 7.60 | 8.1 | | 1.400 | 100.000 |
| 80 10 15 1300 | | | .3 | 1 | 4.00 | 285.0 | 4.10 | 16.000 | 103.0 | 7.60 | 7.8 | 4.000 | | 129.000 |
| 80 11 17 | | | .3 | 1 | 1.00 | 220.0 | 1.90 | 11.000 | 79.0 | 7.70 | | | 0.650 | 103.000 |
| 80 12 15 1540 | | | .3 | 1 | 4.00 | 345.0 | 6.60 | 21.000 | 123.0 | 7.40 | 7.3 | | | 152.000 |
| MAXIMUM | | | | | 10.00 | 475.0 | 18.00 | 48.000 | 150.0 | 7.70 | 8.1 | 4.000 | 2.1 | 196.000 |
| ARITH MEAN | | | | | 5 | 326 | 8 | 24 | 111 | 7.5 | 7.6 | 4.000 | 1.2 | 141 |
| GEOM MEAN | | | | | 4 | 313 | 6 | 21 | 107 | 7.5 | 7.6 | | 1.0 | 137 |
| MINIMUM | | | | | 1.00 | 215.0 | 1.90 | 11.000 | 73.0 | 7.2 | 7.3 | 4.000 | 0.470 | 100.000 |
| STD DEV | | | | | 3 | 95 | 5 | 12 | 30 | 0.1 | 0.3 | | 0.6 | 36 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 1 | 5 | 10 |

| TEST-NAME: | | | | | COLAP | ASUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 01 14 1435 | | | .3 | 1 | 70.000> | | | | | | | | | |
| 80 02 11 0935 | | | .3 | 1 | 70 > | 0.001< | 0.003 | 0.007 | 0.003 | 0.002 | 0.057 | 0.28 | 0.002 | 0.001< |
| 80 03 10 1610 | | | .3 | 1 | 70 > | | | | | | | | | |
| 80 05 12 1415 | | | .3 | 1 | 70.000 | 0.001 | 0.004 | 0.005 | 0.021 | 0.001< | 0.006 | 0.087 | 0.001 | 0.001 |
| 80 06 17 1125 | | | .3 | 1 | 39.000 | | | | | | | | | |
| 80 08 27 1310 | | | .3 | 1 | 51.000 | 0.001< | 0.001 | 0.002 | 0.006 | 0.001 | 0.004 | 0.210 | 0.002 | 0.001 |
| 80 09 23 1110 | | | .3 | 1 | 134.000 | | | | | | | 0.051 | | |
| 80 10 15 1300 | | | .3 | 1 | 104.000 | 0.001< | 0.002 | 0.003 | 0.003 | 0.001< | 0.015 | 0.100 | 0.016 | 0.001 |
| 80 11 17 | | | .3 | 1 | 74.000 | | | | | | | 0.040 | | |
| 80 12 15 1540 | | | .3 | 1 | 85.000 | | | | | | | | | |
| MAXIMUM | | | | | 134.000> | 0.001 | 0.004 | 0.007 | 0.021 | 0.002 | 0.057 | 0.28 | 0.016 | 0.001 |
| ARITH MEAN | | | | | 76 G | 0.001L | 0.002 | 0.004 | 0.008 | 0.001L | 0.020 | 0.12 | 0.005 | 0.001L |
| GEOM MEAN | | | | | 72 G | 0.001L | 0.002 | 0.004 | 0.006 | 0.001L | 0.012 | 0.10 | 0.003 | 0.001L |
| MINIMUM | | | | | 39.000 | 0.001< | 0.001 | 0.002 | 0.003 | 0.001< | 0.004 | 0.040 | 0.001 | 0.001< |
| STD DEV | | | | | 28 G | 0.000L | 0.001 | 0.002 | 0.009 | 0.000L | 0.025 | 0.09 | 0.007 | 0.000L |
| NO OF SAMPLES | | | | | 10 | 4 | 4 | 4 | 4 | 4 | 4 | 6 | 4 | 4 |

(CONTD)

B O W / SITE **NEEBING RIVER**
SAMPLE POINT **AT 110TH AVE THUNDER BAY**
STATION TYPE **RIVER FLOW GAUGE FED 02AB008**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE SUPERIOR**
TERM STREAM **NEEBING RIVER**

STATION ID **01-0107-001-02**
STORET CODE **02 001 7910**

LAT LONG U T M **16 0333875.0 5363125.0 4** REGION **06** DISTANCE **0.805**

| TEST-NAME: | | | | | CCNAUR |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 02 11 0935 | | | .3 | 1 | 0.010< |
| 80 05 12 1415 | | | .3 | 1 | 0.010< |
| 80 08 27 1310 | | | .3 | 1 | 0.01 < |
| 80 10 15 1300 | | | 3 | 1 | 0.010 |
| MAXIMUM | | | | | 0.010 |
| ARITH MEAN | | | | | 0.01 L |
| GEOM MEAN | | | | | 0.01 L |
| MINIMUM | | | | | 0.010< |
| STD DEV | | | | | 0.00 L |
| NO OF SAMPLES | | | | | 4 |

B O W / SITE **NEEBING RIVER**
SAMPLE POINT **HWYS.11&17 WEST OF MAPLEWOOD SIDE ROAD**
STATION TYPE **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **NEEBING RIVER**

STATION ID **01-0107-002-02**
STORET CODE: **02 001 7910**

LAT: LONG: U T M: **16 0325400.0 5361200.0 4** REGION: **06** DISTANCE: **13.840**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 14 1630 | | | .3 | 1 | 10012 | 4 | 760 | 410 | 110 | 8 | 0.0 | 12.9 | 1.0 | 0.003 |
| 80 02 11 1400 | | | .3 | 1 | 10026 | | 36 | 240 | 8 | 4< | 0.5 | 11.5 | | 0.003 |
| 80 03 10 1400 | | | .3 | 1 | 10040 | 4 | 28 | 144 | 4< | 4< | 0.0 | 12.6 | 0.2 | 0.002 |
| 80 04 14 1110 | | | .3 | 1 | 10054 | | 390 | 810 | 44 | | 0.5 | 14.0 | 0.6 | 0.031 |
| 80 05 12 1415 | | | .3 | 1 | 10082 | 6 | 420 | 2800 | 16 | | 10.0 | 11.8 | 0.4 | 0.004 |
| 80 06 17 0930 | | | .3 | 1 | 10106 | | 400I | 9900 | 48 | | 15.0 | 8.8 | 0.2 | 0.015 |
| 80 08 27 1045 | | | .3 | 1 | 10149 | | 1600 | 10500 | 364 | | 17.0 | 7.8 | 0.2 | 0.011 |
| 80 09 23 0955 | | | .3 | 1 | 10173 | 3 | 500I | 4400 | 10I | | 8.0 | 11.0 | 1.0 | 0.025 |
| 80 10 15 0955 | | | .3 | 1 | 10197 | | 700I | 800I | 280 | | 2.5 | 11.7 | 0.6 | 0.013 |
| 80 11 17 | | | .3 | 1 | 10212 | 8 | 6400 | 14300 | 480 | | | | 0.8 | 0.020 |
| 80 12 15 1205 | | | .3 | 1 | 10227 | 4 | 790 | 2000 | 404 | | 0.0 | 11.5 | 0.2 | 0.014 |
| MAXIMUM | | | | | | | 6400 | 14300 | 480 | 8 | 17.0 | 14.0 | 1.0 | 0.031 |
| ARITH MEAN | | | | | | | 1093 | 4209 | 161L | 5L | 6.3 | 11.4 | 0.5 | 0.013 |
| GEOM MEAN | | | | | | | 447 | 1697 | 58L | 5L | 2.6 | 11.2 | 0.4 | 0.009 |
| MINIMUM | | | | | | | 28 | 144 | 4< | 4< | 0.0 | 7.8 | 0.2 | 0.002 |
| STD DEV | | | | | | | 1811 | 5006 | 184L | 2L | 6.7 | 1.8 | 0.3 | 0.010 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 3 | 10 | 10 | 10 | 11 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 14 1630 | | | .3 | 1 | 0.001 | 0.020 | 0.340 | 0.003 | 0.280 | 0.303 | 0.320 | 0.623 | 200.00 | 1.00 |
| 80 02 11 1400 | | | .3 | 1 | 0.001 | 0.02 | 0.31 | 0.003 | 0.33 | 0.353 | 0.290 | 0.643 | 220 | 1 |
| 80 03 10 1400 | | | .3 | 1 | 0.001 | 0.020 | 0.280 | 0.003 | 0.400 | 0.423 | 0.260 | 0.683 | 245.00 | 2.00 |
| 80 04 14 1110 | | | .3 | 1 | 0.004 | 0.100 | 0.710 | 0.011 | 0.820 | 0.931 | 0.610 | 1.541 | 210.00 | 15.00 |
| 80 05 12 1415 | | | .3 | 1 | 0.001< | 0.010< | 0.480 | 0.003 | 0.050 | 0.063 | 0.470 | 0.533 | 130.00 | 3.00 |
| 80 06 17 0930 | | | .3 | 1 | 0.001 | 0.010 | 0.440 | 0.003 | 0.090 | 0.103 | 0.430 | 0.533 | 200.00 | 3.00 |
| 80 08 27 1045 | | | .3 | 1 | 0.002 | 0.020 | 0.520 | 0.004 | 0.060 | 0.084 | 0.500 | 0.584 | 270.00 | 5.00 |
| 80 09 23 0955 | | | .3 | 1 | 0.001< | 0.010 | 0.630 | 0.003 | 0.050 | 0.063 | 0.620 | 0.683 | 180.00 | 10.00 |
| 80 10 15 0955 | | | .3 | 1 | 0.001< | 0.020 | 0.580 | 0.003 | 0.090 | 0.113 | 0.560 | 0.673 | 190.00 | 2.00 |
| 80 11 17 | | | .3 | 1 | 0.002 | 0.070 | 0.620 | 0.005 | 0.230 | 0.305 | 0.550 | 0.855 | 190.00 | 3.00 |
| 80 12 15 1205 | | | .3 | 1 | 0.002 | 0.040 | 0.360 | 0.004 | 0.260 | 0.304 | 0.320 | 0.624 | 190.00 | 2.00 |
| MAXIMUM | | | | | 0.004 | 0.100 | 0.710 | 0.011 | 0.820 | 0.931 | 0.620 | 1.541 | 270.00 | 15.00 |
| ARITH MEAN | | | | | 0.002L | 0.03 L | 0.47 | 0.004 | 0.24 | 0.277 | 0.448 | 0.725 | 202 | 4 |
| GEOM MEAN | | | | | 0.001L | 0.02 L | 0.45 | 0.004 | 0.16 | 0.195 | 0.429 | 0.691 | 199 | 2 |
| MINIMUM | | | | | 0.001< | 0.010< | 0.280 | 0.003 | 0.050 | 0.063 | 0.260 | 0.533 | 130.00 | 1.00 |
| STD DEV | | | | | 0.001L | 0.02 L | 0.14 | 0.002 | 0.22 | 0.254 | 0.132 | 0.285 | 38 | 4 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | ALKT | PH | FWPH | PHNOL | FEUT | HARDT | COLAP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU |
| 80 01 14 1630 | | | .3 | 1 | 274.0 | 3.60 | 12.000 | 108 | 7.60 | 7.5 | | | 126.000 | 40.000 |
| 80 02 11 1400 | | | .3 | 1 | 296 | 4.4 | 15 | 114 | 7.5 | 7.1 | | 0.67 | 138 | 40 |
| 80 03 10 1400 | | | .3 | 1 | 312.0 | 4.50 | 17.000 | 123.0 | 7.70 | 7.6 | | | 142.000 | 40.000 |
| 80 04 14 1110 | | | .3 | 1 | 235.0 | 2.70 | 13.000 | 69.0 | 7.70 | 8.1 | | | 80.000 | 60.000 |
| 80 05 12 1415 | | | .3 | 1 | 186.0 | 2.10 | 8.400 | 66.0 | 7.80 | 7.5 | | 0.440 | 84.000 | 50.000 |
| 80 06 17 0930 | | | .3 | 1 | 277.0 | 5.20 | 13.000 | 106.0 | 7.80 | 7.8 | | | 128.000 | 44.000 |
| 80 08 27 1045 | | | .3 | 1 | 335.0 | 5.10 | 17.000 | 144.0 | 7.80 | 7.9 | | 1.2 | 166.000 | 63.000 |
| 80 09 23 0955 | | | .3 | 1 | 190.0 | 2.60 | 7.800 | 65.0 | 7.70 | 7.6 | | 0.900 | 73.000 | 111.000 |
| 80 10 15 0955 | | | .3 | 1 | 230.0 | 1.50 | 9.600 | 90.0 | 7.80 | 7.6 | 5.000 | 0.650 | 111.000 | 81.000 |
| 80 11 17 | | | .3 | 1 | 285.0 | 4.50 | 18.000 | 97.0 | 7.50 | | | 1.700 | 123.000 | 92.000 |
| 80 12 15 1205 | | | .3 | 1 | 255.0 | 2.60 | 12.000 | 95.0 | 7.60 | 7.7 | | | 121.000 | 59.000 |
| MAXIMUM | | | | | 336.0 | 5.20 | 18.000 | 144.0 | 7.80 | 8.1 | 5.000 | 1.700 | 166.000 | 111.000 |
| ARITH MEAN | | | | | 261 | 3.5 | 12 | 97 | 7.6 | 7.6 | 5.000 | 0.9 | 117 | 61 |
| GEOM MEAN | | | | | 257 | 3.2 | 12 | 95 | 7.6 | 7.6 | | 0.8 | 114 | 58 |
| MINIMUM | | | | | 186.0 | 1.50 | 7.800 | 65.0 | 7.5 | 7.1 | 5.000 | 0.440 | 73.000 | 40.000 |
| STD DEV | | | | | 47 | 1.2 | 3 | 24 | 0.1 | 0.3 | | 0.4 | 28 | 23 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 10 | 1 | 6 | 11 | 11 |

(CONTD)

| TEST-NAME: | | | | | ASUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 02 11 1400 | | | .3 | 1 | 0.001< | 0.001 | 0.003 | 0.002 | 0.001< | 0.003 | 0.051 | 0.001< | 0.001< | 0.010< |
| 80 05 12 1415 | | | .3 | 1 | 0.001 | 0.003 | 0.002 | 0.001< | 0.001< | 0.001< | 0.017 | 0.001 | 0.001 | 0.010< |
| 80 08 27 1045 | | | .3 | 1 | 0.001< | 0.001 | 0.004 | 0.006 | 0.001 | 0.002 | 0.072 | 0.001< | 0.001 | 0.01 < |
| 80 09 23 0955 | | | .3 | 1 | | | | | | | 0.020 | | | |
| 80 10 15 0955 | | | .3 | 1 | 0.001< | 0.001 | 0.002 | 0.002 | 0.001 | 0.002 | 0.031 | 0.017 | 0.001< | 0.010 |
| 80 11 17 | | | .3 | 1 | | | | | | | 0.140 | | | |
| MAXIMUM | | | | | 0.001 | 0.003 | 0.004 | 0.006 | 0.001 | 0.003 | 0.140 | 0.017 | 0.001 | 0.010 |
| ARITH MEAN | | | | | 0.001L | 0.001 | 0.003 | 0.003L | 0.001L | 0.002L | 0.055 | 0.005L | 0.001L | 0.01 L |
| GEOM MEAN | | | | | 0.001L | 0.001 | 0.003 | 0.002L | 0.001L | 0.002L | 0.042 | 0.002L | 0.001L | 0.01 L |
| MINIMUM | | | | | 0.001< | 0.001 | 0.002 | 0.001< | 0.001< | 0.001< | 0.017 | 0.001< | 0.001< | 0.010< |
| STD DEV | | | | | 0.000L | 0.001 | 0.001 | 0.002L | 0.000L | 0.001L | 0.048 | 0.008L | 0.000L | 0.00 L |
| NO OF SAMPLES | | | | | 4 | 4 | 4 | 4 | 4 | 4 | 6 | 4 | 4 | 4 |

B.O.W./ SITE: **KAMINISTIQUIA RIVER**
SAMPLE POINT: **AT HIGHWAY NO 61B THUNDER BAY**
STATION TYPE: **RIVER FLOW GAUGE FED 02AB006**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **KAMINISTIQUIA RIVER**

STATION ID: **01-0108-001-02**
STORET CODE: **02**
**001**
**7920**

LAT:
LONG:
U T M: **16 0330550.0 5358500.0 4**
REGION: **06**
DISTANCE: **6.750**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 01 02 0945 | | | .3 | 1 | 36000 | 6 0 4 | 44.800 | | | 640 | | | 0.0 | 13.2 |
| 80 01 09 0930 | | | .3 | 1 | 36001 | 6 0 4 | 49.400 | | | 6100 | | | 0.2 | 12.6 |
| 80 01 14 1050 | | | .3 | 1 | 10001 | 4 | 48.400 | 8000 | 4100 | 31000 | 380 | | 0.5 | 12.9 |
| 80 01 16 0930 | | | .3 | 1 | 36002 | 6 0 | 49.100 | | | 6000 | | | 2.5 | 13.3 |
| 80 01 23 0915 | | | .3 | 1 | 36003 | 6 0 4 | 51.700 | | | 8400 | | | 0.6 | 13.4 |
| 80 01 30 0945 | | | .3 | 1 | 36004 | 6 0 4 | 51.000 | | | 9300 | | | 1.0 | 12.8 |
| 80 02 06 1000 | | | .3 | 1 | 36005 | 6 0 4 | 49.800 | | | 380 | | | 2.0 | 12.6 |
| 80 02 11 1500 | | | .3 | 1 | 10015 | 4 | 48.600 | 52000 | 20000 | 41000 | 360 | | 1.0 | 12.0 |
| 80 02 13 0930 | | | .3 | 1 | 36006 | 6 0 4 | 48.800 | | | 55000 | | | 1.2 | 13.0 |
| 80 02 20 0930 | | | .3 | 1 | 36007 | 6 0 9 | 47.800 | | | 320 | | | 2.6 | 12.4 |
| 80 02 28 1005 | | | .3 | 1 | 36008 | 4 0 9 | 47.500 | | | 25000 | | | 2.5 | 13.2 |
| 80 03 05 1030 | | | .3 | 1 | 36009 | 4 0 | 47.600 | | | 20000 | | | 2.2 | 13.6 |
| 80 03 10 1120 | | | .3 | 1 | 10029 | 4 0 9 | 47.500 | 320000 | 4000I | 10000 | 210 | | 1.5 | 13.4 |
| 80 03 19 0930 | | | .3 | 1 | 36010 | 9 0 | 48.100 | | | 19000 | | | 2.2 | 12.4 |
| 80 03 27 1415 | | | .3 | 1 | 36011 | 9 0 | 46.300 | | | | | | 3.0 | 12.2 |
| 80 04 02 1000 | | | .3 | 1 | 36012 | 9 0 | 47.900 | | | 32000 | | | 2.8 | 12.1 |
| 80 04 10 1400 | | | .3 | 1 | 36013 | 6 0 | 48.900 | | | 12000 | | | 2.2 | 12.2 |
| 80 04 14 1140 | | | .3 | 1 | 10043 | 0 9 | 47.600 | 59000 | 9000I | 4200 | | | 1.5 | |
| 80 04 16 1445 | | | .3 | 1 | 36014 | 6 0 | 42.500 | | | 2600 | | | 2.7 | 10.9 |
| 80 04 23 1000 | | | .3 | 1 | 36015 | 6 0 | 92.600 | | | 3000 | | | 6.2 | 10.7 |
| 80 04 30 0955 | | | .3 | 1 | 10056 | | 34.200 | 4500 | 7000 | 1800 | 48 | | 10.5 | 10.4 |
| 1000 | | | .3 | 1 | 36016 | 6 0 | 34.200 | | | 1800 | | | 13.5 | 13.3 |
| 80 05 06 1200 | | | .3 | 1 | 10071 | 9 0 | 21.400 | | | 16000 | | | 18.0 | 4.6 |
| 1600 | | | .3 | 1 | 10059 | | 21.400 | 44000 | 15000 | 15000> | 188 | | 16.0 | 6.0 |
| 80 05 07 1030 | | | .3 | 1 | 36017 | 6 0 | 20.800 | | | 5000C | | | 15.0 | 6.7 |
| 80 05 21 1045 | | | .3 | 1 | 36018 | 6 0 | 19.900 | | | 31000 | | | 19.2 | 4.7 |
| 80 05 28 0930 | | | .3 | 1 | 36019 | 6 0 | 16.700 | | | 320000 | | | 18.8 | 2.8 |
| 80 06 06 1330 | | | .3 | 1 | 36020 | 6 0 | 15.900 | | | 37000 | | | 20.8 | 2.6 |
| 80 06 11 1000 | | | .3 | 1 | 36021 | 6 0 | 12.900 | | | 28000 | | | 17.2 | 1.9 |
| 80 06 16 | | | .3 | 1 | 10095 | | 25.100 | 108000 | 37000 | 79000 | | | 18.0 | 0.0 |
| 80 06 18 1000 | | | .3 | 1 | 36022 | 6 9 0 | 18.900 | | | 62000 | | | 19.6 | 4.2 |
| 80 06 25 0900 | | | .3 | 1 | 36023 | 6 9 0 | 40.700 | | | 17000 | | | 20.9 | 2.3 |
| 80 07 02 1400 | | | .3 | 1 | 36024 | 6 0 | 20.200 | | | 2600 | | | 20.8 | 5.8 |
| 80 07 10 0900 | | | .3 | 1 | 36025 | 6 0 | 20.100 | | | 16000 | | 10 | 20.4 | 2.4 |
| 80 07 14 | | | .3 | 1 | 10119 | 8 | 19.700 | 18000 | 36000 | 13000 | | | | |
| 80 07 17 0930 | | | .3 | 1 | 36026 | 6 0 | 21.900 | | | 22000 | | | | |
| 80 07 23 1100 | | | .3 | 1 | 36027 | 6 0 9 | 27.700 | | | 100000 | | 18 | 21.0 | 1.4 |
| 80 07 30 1130 | | | .3 | 1 | 36028 | 6 0 9 | 23.700 | | | | | | 20.4 | 1.5 |
| 80 08 06 1055 | | | .3 | 1 | 36029 | 0 6 | 20.400 | | | | | | 21.8 | 1.6 |
| 80 08 14 1100 | | | .3 | 1 | 36030 | 0 6 9 | 18.700 | | | 35000 | | 52 | 21.3 | 2.7 |
| 80 08 20 1000 | | | .3 | 1 | 36031 | 0 6 9 | 42.500 | | | 81000 | | 16 | 21.3 | 3.4 |
| 80 08 26 1640 | | | .3 | 1 | 10143 | 9 0 | 20.500 | | | | | | 23.0 | 4.2 |
| 80 08 28 1145 | | | .3 | 1 | 36032 | 0 6 | 20.000 | | | 7000I | | | 21.8 | 1.6 |
| 80 09 03 0947 | | | .3 | 1 | 36033 | 0 9 6 | 20.200 | | | 28000 | | | 17.2 | 3.0 |
| 80 09 12 0930 | | | .3 | 1 | 36034 | 0 9 6 | 22.300 | | | 34000 | | 36 | 18.7 | 4.6 |
| 80 09 17 1420 | | | .3 | 1 | 36035 | 0 9 6 | 70.800 | | | 6000I | | 20 | 12.2 | 9.6 |
| 80 09 22 1430 | | | .3 | 1 | 10167 | | 93.700 | 5000I | 23000 | 1100 | | | 11.0 | 9.7 |
| 80 09 24 0945 | | | .3 | 1 | 36036 | 0 9 | 61.100 | | | 2900 | | | 11.5 | 10.2 |
| 80 10 01 0915 | | | .3 | 1 | 36037 | 0 9 | 33.100 | | | 3300C | | 4 | 10.5 | 7.0 |
| 80 10 09 1130 | | | .3 | 1 | 36038 | 0 9 | 26.300 | | | 16000 | | 8 | 10.0 | 8.0 |
| 80 10 14 1110 | | | .3 | 1 | 10191 | 0 9 | 40.600 | 73000 | 5000I | 13000 | | | 7.0 | 10.2 |
| 80 10 15 1330 | | | .3 | 1 | 36039 | 0 9 | 43.500 | | | | | | 7.0 | 10.0 |
| 80 10 22 1005 | | | .3 | 1 | 36040 | 0 9 | 46.000 | | | 14000 | | 16 | 5.1 | 10.4 |
| 80 10 30 1030 | | | .3 | 1 | 36041 | 0 9 | 41.500 | | | | | | | |
| 80 11 07 0950 | | | .3 | 1 | 36042 | 0 9 | 39.900 | | | 7400 | | | 2.2 | 12.1 |
| 80 11 12 0950 | | | .3 | 1 | 36043 | | 40.900 | | | 5700 | | 72 | 1.0 | 13.0 |
| 80 11 17 | | | .3 | 1 | 10206 | 8 | 49.500 | 25000 | 9000I | 3900 | | | | |
| 80 11 20 0910 | | | .3 | 1 | 36044 | 0 9 | 50.300 | | | 23000 | | 4< | 1.5 | 11.0 |
| 80 11 26 1035 | | | .3 | 1 | 36045 | 0 9 | 50.400 | | | 26000 | | | 1.0 | 10.2 |
| 80 12 10 1000 | | | .3 | 1 | 36046 | 0 9 | 44.900 | | | 7500 | | | | |
| 80 12 18 0930 | | | .3 | 1 | 36047 | 0 9 | 50.000 | | | 4900 | | | | |
| 1015 | | | .3 | 1 | 10220 | 4 0 9 | 50.000 | 33000 | 2000I | 6200 | | | 0.5 | 7.0 |
| MAXIMUM | | | | | | | 93.700 | 320000 | 37000 | 320000> | 380 | 72 | 23.0 | 13.6 |
| ARITH MEAN | | | | | | | 39.006 | 62458 | 14258 | 24826G | 237 | 23L | 9.9 | 8.3 |
| GEOM MEAN | | | | | | | 36.422 | 31376 | 9870 | 10760G | 192 | 16L | 5.4 | 6.7 |
| MINIMUM | | | | | | | 12.900 | 4500 | 2000 | 320 | 48 | 4< | 0.0 | 0.0 |
| STD DEV | | | | | | | 16.910 | 88785 | 12256 | 46491G | 136 | 22L | 8.3 | 4.4 |
| NO OF SAMPLES | | | | | | | 62 | 12 | 12 | 56 | 5 | 11 | 56 | 55 |

(CONTD)

B.O.W./SITE: **KAMINISTIQUIA RIVER**
SAMPLE POINT: **AT HIGHWAY NO 61B THUNDER BAY**
STATION TYPE: **RIVER FLOW GAUGE FED 02AB006**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **KAMINISTIQUIA RIVER**

STATION ID: **01-0108-001-02**
STORET CODE: **02 001 7920**

LAT: LONG: U T M: **16 0330550.0 5358500.0 4** REGION: **06** DISTANCE: **6.759**

| TEST-NAME: | | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 01 02 0945 | | | .3 | 1 | 1.6 | 0.007 | 0.002 | | | | 0.140 | | | |
| 80 01 09 0930 | | | .3 | 1 | 12.0 | 0.023 | 0.005 | | | | 0.130 | | | |
| 80 01 14 1050 | | | .3 | 1 | 12.0 | 0.020 | 0.007 | 0.010 | 0.370 | 0.013 | 0.080 | 0.103 | 0.360 | 0.463 |
| 80 01 16 0930 | | | .3 | 1 | 14.0 | 0.026 | 0.009 | | | | 0.150 | | | |
| 80 01 23 0915 | | | .3 | 1 | 11.0 | 0.027 | 0.012 | | | | 0.200 | | | |
| 80 01 30 0945 | | | .3 | 1 | 9.5 | 0.035 | 0.010 | | | | 0.140 | | | |
| 80 02 06 1000 | | | .3 | 1 | 14.0 | 0.033 | 0.005 | | | | 0.190 | | | |
| 80 02 11 1500 | | | .3 | 1 | 14 | 0.024 | 0.005 | 0.01 | 0.52 | 0.012 | 0.05 | 0.072 | 0.510 | 0.582 |
| 80 02 13 0930 | | | .3 | 1 | 13.0 | 0.034 | 0.019 | | | | 0.170 | | | |
| 80 02 20 0930 | | | .3 | 1 | 13.0 | 0.058 | 0.031 | | | | 0.160 | | | |
| 80 02 28 1005 | | | .3 | 1 | 18.0 | 0.040 | 0.016 | | | | 0.180 | | | |
| 80 03 05 1030 | | | .3 | 1 | 15.0 | 0.029 | 0.007 | | | | 0.110 | | | |
| 80 03 10 1120 | | | .3 | 1 | 13.0 | 0.025 | 0.007 | 0.010< | 0.540 | 0.007 | 0.020 | 0.037 | 0.530 | 0.567 |
| 80 03 19 0930 | | | .3 | 1 | | 0.030 | 0.006 | | | | 0.180 | | | |
| 80 03 27 1415 | | | .3 | 1 | 16.0 | 0.020 | 0.006 | | | | 0.010 | | | |
| 80 04 02 1000 | | | .3 | 1 | 16.0 | 0.039 | 0.023 | | | | 0.210 | | | |
| 80 04 10 1400 | | | .3 | 1 | 12.0 | 0.074 | 0.028 | | | | 0.470 | | | |
| 80 04 14 1140 | | | .3 | 1 | 10.0 | 0.058 | 0.010 | 0.010< | 0.590 | 0.021 | 0.010 | 0.041 | 0.580 | 0.621 |
| 80 04 16 1445 | | | .3 | 1 | 12.0 | 0.079 | 0.014 | | | | 0.170 | | | |
| 80 04 23 1000 | | | .3 | 1 | 5.0 | 0.150 | 0.020 | | | | 0.230 | | | |
| 80 04 30 0955 | | | .3 | 1 | | 0.021 | 0.004 | | 0.460 | 0.005 | 0.170 | | | 0.635 |
| 1000 | | | .3 | 1 | 12.0 | 0.060 | 0.015 | | | | 0.010 | | | |
| 80 05 06 1200 | | | .3 | 1 | 34.0 | 0.074 | 0.021 | 0.010 | 0.910 | 0.014 | 0.010< | 0.034 | 0.900 | 0.934 |
| 1600 | | | .3 | 1 | | 0.067 | 0.011 | | | | | | | |
| 80 05 07 1030 | | | .3 | 1 | 24.0 | 0.064 | 0.009 | | | | 0.010 | | | |
| 80 05 21 1045 | | | .3 | 1 | 22.0 | 0.085 | 0.013 | | | | 0.010< | | | |
| 80 05 28 0930 | | | .3 | 1 | 13.0 | 0.083 | 0.011 | | | | 0.020 | | | |
| 80 06 06 1330 | | | .3 | 1 | 31.0 | 0.072 | 0.009 | | | | 0.010 | | | |
| 80 06 11 1000 | | | .3 | 1 | 24.0 | 0.075 | 0.007 | | | | 0.010 | | | |
| 80 06 16 | | | .3 | 1 | 30.0 | 0.100 | 0.017 | | 0.700 | 0.013 | 0.010 | | | 0.723 |
| 80 06 18 1000 | | | .3 | 1 | 29.0 | 0.069 | 0.012 | | | | 0.010< | | | |
| 80 06 25 0900 | | | .3 | 1 | 28.0 | 0.076 | 0.013 | | | | 0.010 | | | |
| 80 07 02 1400 | | | .3 | 1 | 6.0 | 0.060 | 0.004 | | | | 0.010< | | | |
| 80 07 10 0900 | | | .3 | 1 | | 0.078 | 0.010 | | | | 0.020 | | | |
| 80 07 14 | | | .3 | 1 | 16.0 | 0.073 | 0.011 | | 0.800 | 0.010 | 0.010< | | | 0.820 |
| 80 07 17 0930 | | | .3 | 1 | | 0.078 | 0.010 | | | | 0.010< | | | |
| 80 07 23 1100 | | | .3 | 1 | | 0.045 | 0.009 | | | | 0.010 | | | |
| 80 07 30 1130 | | | .3 | 1 | | 0.067 | 0.011 | | | | 0.010 | | | |
| 80 08 06 1055 | | | .3 | 1 | 21.0 | 0.059 | 0.007 | | | | 0.010< | | | |
| 80 08 14 1100 | | | .3 | 1 | 20.0 | 0.060 | 0.004 | | | | 0.120 | | | |
| 80 08 20 1000 | | | .3 | 1 | 19.0 | 0.072 | 0.008 | | | | 0.010 | | | |
| 80 08 26 1640 | | | .3 | 1 | 16.0 | 0.056 | 0.008 | 0.010 | 0.610 | 0.009 | 0.020 | 0.039 | 0.600 | 0.639 |
| 80 08 28 1145 | | | .3 | 1 | 22.0 | 0.064 | 0.007 | | | | 0.001< | | | |
| 80 09 03 0947 | | | .3 | 1 | 3.6 | 0.059 | 0.013 | | | | 0.010 | | | |
| 80 09 12 0930 | | | .3 | 1 | 20.0 | 0.094 | 0.012 | | | | 0.010< | | | |
| 80 09 17 1420 | | | .3 | 1 | 7.0 | 0.055 | 0.012 | | | | 0.010< | | | |
| 80 09 22 1430 | | | .3 | 1 | 5.5 | 0.056 | 0.013 | 0.030 | 0.840 | 0.010 | 0.010< | 0.050 | 0.810 | 0.860 |
| 80 09 24 0945 | | | .3 | 1 | 9.5 | 0.057 | 0.014 | | | | 0.010< | | | |
| 80 10 01 0915 | | | .3 | 1 | 20.0 | 0.560 | 0.014 | | | | 0.010< | | | |
| 80 10 09 1130 | | | .3 | 1 | 22.0 | 0.075 | 0.008 | | | | 0.010< | | | |
| 80 10 14 1110 | | | .3 | 1 | 18.0 | 0.066 | 0.009 | 0.010< | 0.630 | 0.011 | 0.010< | 0.031 | 0.620 | 0.651 |
| 80 10 15 1330 | | | .3 | 1 | 17.0 | 0.052 | 0.007 | | | | 0.010< | | | |
| 80 10 22 1005 | | | .3 | 1 | 15.0 | 0.037 | 0.005 | | | | 0.010< | | | |
| 80 10 30 1030 | | | .3 | 1 | 11.0 | 0.049 | 0.017 | | | | 0.090 | | | |
| 80 11 07 0950 | | | .3 | 1 | 16.0 | 0.042 | 0.020 | | | | 0.100 | | | |
| 80 11 12 0950 | | | .3 | 1 | 17.0 | 0.047 | 0.010 | | | | 0.010 | | | |
| 80 11 17 | | | .3 | 1 | 7.0 | 0.037 | 0.004 | 0.010< | 0.500 | 0.007 | 0.010< | 0.027 | 0.490 | 0.517 |
| 80 11 20 0910 | | | .3 | 1 | 13.0 | 0.034 | 0.005 | | | | 0.140 | | | |
| 80 11 26 1035 | | | .3 | 1 | 12.0 | 0.036 | 0.005 | | | | 0.010< | | | |
| 80 12 10 1000 | | | .3 | 1 | 15.0 | 0.039 | 0.022 | | | | 0.160 | | | |
| 80 12 18 0930 | | | .3 | 1 | 15.0 | 0.051 | 0.019 | | | | 0.170 | | | |
| 1015 | | | .3 | 1 | 17.0 | 0.037 | 0.008 | 0.010 | 0.470 | 0.007 | 0.010 | 0.027 | 0.460 | 0.487 |
| **MAXIMUM** | | | | | **34.0** | **0.560** | **0.031** | **0.030** | **0.910** | **0.021** | **0.470** | **0.103** | **0.900** | **0.934** |
| **ARITH MEAN** | | | | | **15** | **0.062** | **0.011** | **0.01 L** | **0.61** | **0.011** | **0.07 L** | **0.048** | **0.588** | **0.654** |
| **GEOM MEAN** | | | | | **13** | **0.051** | **0.010** | **0.01 L** | **0.59** | **0.010** | **0.02 L** | **0.042** | **0.567** | **0.640** |
| **MINIMUM** | | | | | **1.6** | **0.007** | **0.002** | **0.010<** | **0.370** | **0.005** | **0.001<** | **0.027** | **0.360** | **0.463** |
| **STD DEV** | | | | | **6** | **0.089** | **0.006** | **0.00 L** | **0.16** | **0.004** | **0.08 L** | **0.024** | **0.162** | **0.146** |
| **NO OF SAMPLES** | | | | | **55** | **62** | **62** | **10** | **13** | **13** | **61** | **10** | **10** | **13** |

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | ACDT | ALKT | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC. MG/L AS CL | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD |
| 80 01 02 0945 | | | .3 | 1 | | 5.0 | | | | | | | | |
| 80 01 09 0930 | | | .3 | 1 | | 3.0 | | | | | | | | |
| 80 01 14 1050 | | | .3 | 1 | 150.00 | 5.00 | | 148.0 | 2.80 | 13.000 | | 30 | 7.00 | 7.3 |
| 80 01 16 0930 | | | .3 | 1 | | 3.0 | | | | | | | | |
| 80 01 23 0915 | | | .3 | 1 | | 3.0 | | | | | | | | |
| 80 01 30 0945 | | | .3 | 1 | | 3.0 | | | | | | | | |
| 80 02 06 1000 | | | .3 | 1 | | 5.0 | | | | | | | | |
| 80 02 11 1500 | | | .3 | 1 | 150 | 3 | | 161 | 2.6 | 16 | | 34 | 7.3 | 7.7 |
| 80 02 13 0930 | | | .3 | 1 | | 5.0 | | | | | | | | |
| 80 02 20 0930 | | | .3 | 1 | | 3.0 | | | | | | | | |
| 80 02 28 1005 | | | .3 | 1 | | 2.0 | | | | | | | | |
| 80 03 05 1030 | | | .3 | 1 | | 5.0 | | | | | | | | |
| 80 03 10 1120 | | | .3 | 1 | 180.00 | 10.00 | | 173.0 | 2.60 | 19.000 | | 32.0 | 6.90 | 6.8 |
| 80 03 19 0930 | | | .3 | 1 | | 3.0 | | | | | | | | |
| 80 03 27 1415 | | | .3 | 1 | | 5.0 | | | | | | | | |
| 80 04 02 1000 | | | .3 | 1 | | 10.0 | | | | | | | | |
| 80 04 10 1400 | | | .3 | 1 | | 10.0 | | | | | | | | |
| 80 04 14 1140 | | | .3 | 1 | 200.00 | 10.00 | | 200.0 | 4.10 | 21.000 | | 39.0 | 7.20 | 7.5 |
| 80 04 16 1445 | | | .3 | 1 | | 35.0 | | | | | | | | |
| 80 04 23 1000 | | | .3 | 1 | | 85.0 | | | | | | | | |
| 80 04 30 0955 | | | .3 | 1 | | 10.00 | 120.00 | 195.0 | | | | 39.0 | 7.20 | 7.6 |
| 1000 | | | .3 | 1 | | 20.0 | | | | | | | | |
| 80 05 06 1200 | | | .3 | 1 | 290.00 | 20.00 | | 280.0 | 14.00 | 27.000 | | 63.0 | 7.20 | 7.8 |
| 1600 | | | .3 | 1 | | 15.00 | | | | | | 54.0 | 7.10 | 7.6 |
| 80 05 21 1045 | | | .3 | 1 | | 15.0 | | | | | | | | |

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| TEST-NAME: | | | RST | RSP | RSF | COND25 | TUR | CLIDUR | ACDT | ALKT | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 05 28 0930 | .3 | 1 | | 10.0 | | | | | | | | |
| 80 06 06 1330 | .3 | 1 | | 15.0 | | | | | | | | |
| 80 06 11 1000 | .3 | 1 | | 10.0 | | | | | | | | |
| 80 06 16 | .3 | 1 | 360.00 | 10.00 | | 383.0 | 17.00 | 48.000 | | 56.0 | 6.80 | 7.0 |
| 80 06 18 1000 | .3 | 1 | | 10.0 | | | | | | | | |
| 80 06 25 0900 | .3 | 1 | | 15.0 | | | | | | | | |
| 80 07 02 1400 | .3 | 1 | | 15.0 | | | | | | | | |
| 80 07 10 0900 | 3 | 1 | | 10.0 | | | | | | | | |
| 80 07 14 | .3 | 1 | 300.00 | 10.00 | | 330.0 | 5.10 | 40.000 | 14.000 | 47.0 | 6.80 | |
| 80 07 17 0930 | .3 | 1 | | 20.0 | | | | | | | | |
| 80 07 23 1100 | .3 | 1 | | 20.0 | | | | | | | | |
| 80 07 30 1130 | .3 | 1 | | 10.0 | | | | | | | | |
| 80 08 06 1055 | .3 | 1 | | 10.0 | | | | | | | | |
| 80 08 14 1100 | .3 | 1 | | 10.0 | | | | | | | | |
| 80 08 20 1000 | .3 | 1 | | 10.0 | | | | | | | | |
| 80 08 26 1640 | 3 | 1 | 275.00 | 15.00 | | 310.0 | 4.90 | 41.000 | | 34.0 | 6.40 | 6.7 |
| 80 08 28 1145 | 3 | 1 | | 10.0 | | | | | | | | |
| 80 09 03 0947 | 3 | 1 | | 30.0 | | | | | | | | |
| 80 09 12 0930 | 3 | 1 | | 40.0 | | | | | | | | |
| 80 09 17 1420 | 3 | 1 | | 35.0 | | | | | | | | |
| 80 09 22 1430 | .3 | 1 | 200.00 | 30.00 | | 136.0 | 24.00 | 9.000 | | 40.0 | 7.20 | 7.9 |
| 80 09 24 0945 | .3 | 1 | | 20.0 | | | | | | | | |
| 80 10 01 0915 | .3 | 1 | | 20.0 | | | | | | | | |
| 80 10 09 1130 | .3 | 1 | | 20.0 | | | | | | | | |
| 80 10 14 1110 | .3 | 1 | 230.00 | 10.00 | | 225.0 | 8.20 | 22.000 | | 43.0 | 7.10 | 7.2 |
| 80 10 15 1330 | .3 | 1 | | 10.0 | | 205.0 | | | | | | |
| 80 10 22 1005 | .3 | 1 | | 10.0 | | | | | | | | |
| 80 10 30 1030 | .3 | 1 | | 10.0 | | | | | | | | |
| 80 11 07 0950 | .3 | 1 | | 5.0 | | | | | | | | |
| 80 11 12 0950 | .3 | 1 | | 8.0 | | | | | | | | |
| 80 11 17 | .3 | 1 | 160.00 | 3.00 | | 165.0 | 4.40 | 12.000 | | 37.0 | 7.40 | |
| 80 11 20 0910 | .3 | 1 | | 8.0 | | | | | | | | |
| 80 11 26 1035 | .3 | 1 | | 5.0 | | | | | | | | |
| 80 12 10 1000 | .3 | 1 | | 4.0 | | | | | | | | |
| 80 12 18 0930 | .3 | 1 | | 4.0 | | | | | | | | |
| 1015 | 3 | 1 | 220.00 | 4.00 | | 200.0 | 4.00 | 19.000 | | 40.0 | 7.10 | 7.2 |
| **MAXIMUM** | | | **360.00** | **85.0** | **120.00** | **383.0** | **24.00** | **48.000** | **14.000** | **63.0** | **7.40** | **7.9** |
| **ARITH MEAN** | | | **226** | **12** | **120.00** | **222** | **7.8** | **23** | **14.000** | **42** | **7.0** | **7.4** |
| **GEOM MEAN** | | | **217** | **9** | | **211** | **5.8** | **21** | | **41** | **7.0** | **7.3** |
| **MINIMUM** | | | **150.00** | **2.0** | **120.00** | **136.0** | **2.6** | **9.000** | **14.000** | **30** | **6.40** | **6.7** |
| **STD DEV** | | | **86** | **12** | | **74** | **6.8** | **12** | | **9** | **0.2** | **0.4** |
| **NO OF SAMPLES** | | | **12** | **61** | **1** | **14** | **12** | **12** | **1** | **14** | **14** | **12** |

| TEST-NAME: | | | | PHNOL | FEUT | HARDT | COLAP | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS . TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD |
| 80 01 02 0945 | | .3 | 1 | | | | | | 0.050< | | 0.004 | 0.001 | 0.001 |
| 80 01 09 0930 | | .3 | 1 | | | | | | 0.050< | | 0.003 | 0.003 | 0.001< |
| 80 01 14 1050 | | .3 | 1 | | 0.33 | 37.000 | 70.000> | 0.001 | 0.05 < | 0.007 | 0.004 | 0.001< | 0.001< |
| 80 01 16 0930 | | .3 | 1 | | | | | | 0.050< | | 0.006 | 0.001 | 0.001< |
| 80 01 23 0915 | | .3 | 1 | | | | | | 0.050< | | 0.005 | 0.001 | 0.001< |
| 80 01 30 0945 | | .3 | 1 | | | | | | 0.050< | | 0.004 | 0.002 | 0.001 |
| 80 02 06 1000 | | .3 | 1 | | | | | | 0.050< | | 0.005 | 0.002 | 0.001< |
| 80 02 11 1500 | | .3 | 1 | | 0.24 | 35 | 70 > | 0.001< | 0.05 < | 0.006 | 0.005 | 0.001< | 0.001< |
| 80 02 13 0930 | | .3 | 1 | | | | | | 0.050< | | 0.012 | 0.003 | 0.001< |
| 80 02 20 0930 | | .3 | 1 | | | | | | 0.050< | | 0.005 | 0.003 | 0.001< |
| 80 02 28 1005 | | 3 | 1 | | | | | | 0.050< | | 0.002 | 0.001< | 0.001< |
| 80 03 05 1030 | | .3 | 1 | | | | | | | | 0.001< | 0.001< | 0.001< |
| 80 03 10 1120 | | 3 | 1 | | | 38.000 | 70 > | 0.002 | 0.05 < | 0.002 | 0.002 | 0.002 | 0.001< |
| 80 03 19 0930 | | 3 | 1 | | | | | | 0.050< | | 0.005 | 0.003 | 0.001< |
| 80 03 27 1415 | | 3 | 1 | | | | | | 0.050< | | 0.006 | 0.001 | 0.001< |
| 80 04 02 1000 | | 3 | 1 | | | | | | 0.050< | | 0.002 | 0.002 | 0.001< |
| 80 04 10 1400 | | 3 | 1 | | | | | | 0.050< | | 0.004 | 0.001< | 0.001 |
| 80 04 14 1140 | | 3 | 1 | | | 51.000 | 70.000> | 0.003 | 0.050< | 0.008 | 0.003 | 0.001< | 0.001 |
| 80 04 16 1445 | | .3 | 1 | | | | | | 0.050< | | 0.007 | 0.001< | 0.001 |
| 80 04 23 1000 | | 3 | 1 | | | | | | 0.050< | | 0.019 | 0.002 | 0.001< |
| 80 04 30 0955 | | .3 | 1 | | | | | 0.003 | 0.050< | 0.003 | 0.008 | 0.003 | 0.001< |
| 1000 | | 3 | 1 | | | | | | 0.050< | | 0.009 | 0.001 | 0.001< |
| 80 05 06 1200 | | 3 | 1 | | | 56.000 | 70.000> | 0.001 | 0.050< | 0.011 | 0.007 | 0.008 | 0.001< |
| 1600 | | 3 | 1 | | | | | 0.001 | 0.050< | 0.009 | 0.008 | 0.001 | 0.001< |
| 80 05 07 1030 | | .3 | 1 | | | | | | 0.050< | | 0.008 | 0.004 | 0.001 |
| 80 05 21 1045 | | .3 | 1 | | | | | | 0.050< | | 0.008 | 0.006 | 0.001 |
| 80 05 28 0930 | | .3 | 1 | | | | | | 0.050< | | 0.014 | 0.011 | 0.001 |
| 80 06 06 1330 | | .3 | 1 | | | | | | 0.050< | | 0.002 | 0.008 | 0.001 |
| 80 06 11 1000 | | .3 | 1 | | | | | | 0.050< | | 0.003 | 0.004 | 0.001< |
| 80 06 16 | | .3 | 1 | 68.000 | 0.210 | 66.000 | 263.000 | 0.001 | 0.050< | 0.021 | 0.004 | 0.007 | 0.001 |
| 80 06 18 1000 | | 3 | 1 | | | | | | 0.050< | | 0.004 | 0.008 | 0.001 |
| 80 06 25 0900 | | 3 | 1 | | | | | | 0.050 | | 0.045 | 0.065 | 0.001< |
| 80 07 02 1400 | | .3 | 1 | | | | | | 0.050< | | 0.010 | 0.008 | 0.027 |
| 80 07 10 0900 | | 3 | 1 | | | | | | 0.050< | | 0.006 | 0.006 | 0.001 |
| 80 07 14 | | .3 | 1 | | | 68.000 | 70.000> | | 0.050< | | | | |
| 80 07 17 0930 | | .3 | 1 | | | | | | 0.050< | | 0.006 | 0.002 | 0.001 |
| 80 07 23 1100 | | .3 | 1 | | | | | | 0.050< | | 0.006 | 0.001< | 0.001< |
| 80 08 14 1100 | | 3 | 1 | | | | | | 0.050< | | 0.001< | 0.012 | 0.004< |
| 80 08 20 1000 | | .3 | 1 | | | | | | 0.050< | | 0.008 | 0.001< | 0.001 |
| 80 08 26 1640 | | 3 | 1 | | 0.53 | 54.000 | 192.000 | 0.001< | 0.05 < | 0.030 | 0.004 | 0.006 | 0.001 |
| 80 08 28 1145 | | .3 | 1 | | | | | | 0.050< | | 0.004 | 0.004 | 0.001< |
| 80 09 03 0947 | | .3 | 1 | | | | | | 0.050< | | 0.008 | 0.002 | 0.001< |
| 80 09 12 0930 | | .3 | 1 | | | | | | 0.050< | | 0.006 | 0.001< | 0.001< |
| 80 09 17 1420 | | .3 | 1 | | | | | | 0.050< | | 0.004 | 0.004 | 0.001 |
| 80 09 22 1430 | | .3 | 1 | | | 46.000 | 292.000 | 0.002 | 0.050< | 0.001 | 0.004 | 0.002 | 0.001< |
| 80 09 24 0945 | | .3 | 1 | | | | | | 0.050< | | 0.007 | 0.007 | 0.001< |
| 80 10 01 0915 | | .3 | 1 | | | | | | 0.050< | | 0.011 | 0.002 | 0.001< |
| 80 10 09 1130 | | .3 | 1 | | | | | | 0.110 | | 0.005 | 0.001 | 0.001 |
| 80 10 14 1110 | | .3 | 1 | 44.000 | | 52.000 | 239.000 | 0.011 | 0.080 | 0.015 | 0.007 | 0.004 | 0.001 |
| 80 10 15 1330 | | .3 | 1 | | | | | | 0.080 | | 0.004 | 0.001 | 0.001 |
| 80 10 22 1005 | | 3 | 1 | | | | | | 0.050< | | 0.003 | 0.003 | 0.001< |
| 80 10 30 1030 | | .3 | 1 | | | | | | 0.050< | | 0.002 | 0.006 | 0.001 |
| 80 11 07 0950 | | .3 | 1 | | | | | | 0.070 | | 0.003 | 0.003 | 0.001 |
| 80 11 12 0950 | | .3 | 1 | | | | | | 0.100 | | 0.019 | 0.004 | 0.001 |
| 80 11 17 | | .3 | 1 | | | 42.000 | 143.000 | | | | | | |
| 80 11 20 0910 | | 3 | 1 | | | | | | 0.130 | | 0.008 | 0.001 | 0.001 |
| 80 11 26 1035 | | 3 | 1 | | | | | | 0.050< | | 0.019 | 0.010 | 0.001 |
| 80 12 10 1000 | | .3 | 1 | | | | | | 0.050< | | 0.009 | 0.001< | 0.002 |
| 80 12 18 0930 | | .3 | 1 | | | | | | 0.050< | | 0.003 | 0.002 | 0.001 |
| 1015 | | .3 | 1 | | | 48.000 | 154.000 | | 0.050< | | 0.003 | 0.002 | 0.001 |
| **MAXIMUM** | | | | **68.000** | **0.53** | **68.000** | **292.000>** | **0.011** | **0.130** | **0.030** | **0.045** | **0.065** | **0.027** |
| **ARITH MEAN** | | | | **56.000** | **0.32** | **49** | **141 G** | **0.002L** | **0.06 L** | **0.010** | **0.007L** | **0.004L** | **0.002L** |
| **GEOM MEAN** | | | | **54.699** | **0.30** | **48** | **120 G** | **0.002L** | **0.06 L** | **0.007** | **0.005L** | **0.003L** | **0.001L** |
| **MINIMUM** | | | | **44.000** | **0.210** | **35** | **70.000** | **0.001<** | **0.050<** | **0.001** | **0.001<** | **0.001<** | **0.001<** |
| **STD DEV** | | | | **16.971** | **0.14** | **10** | **86 G** | **0.003L** | **0.01 L** | **0.009** | **0.007L** | **0.009L** | **0.003L** |
| **NO OF SAMPLES** | | | | **2** | **4** | **12** | **12** | **11** | **58** | **11** | **58** | **58** | **58** |

(CONTD)

B.O.W./ SITE: **KAMINISTIQUIA RIVER**
SAMPLE POINT: **AT HIGHWAY NO 61B THUNDER BAY**
STATION TYPE: **RIVER FLOW GAUGE FED 02AB006**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **KAMINISTIQUIA RIVER**

STATION ID: **01-0108-001-02**
STORET CODE: **02**
**001**
**7920**

LAT: LONG: U.T.M.: **16 0330550.0 5358500.0 4** REGION: **06** DISTANCE: **6.759**

| TEST-NAME: | | | | ZNUT | MNUT | NIUT | COUT | CCNAUR | P1PCBT | X3PCPH | P3245T |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN | PCB TOTAL UG/L | PENTACHL PHENOL U.G/L | 2,4,5-T U.G/L |
| 80 01 02 0945 | | .3 | 1 | | | | | | 0.020R | 0.110 | 0.050R |
| 80 01 09 0930 | | .3 | 1 | | | | | | 0.030 | 0.050R | 0.050R |
| 80 01 14 1050 | | .3 | 1 | 0.004 | 0.037 | | | | 0.020R | | |
| 80 01 16 0930 | | .3 | 1 | | | | | | 0.020R | 0.110 | 0.050R |
| 80 01 30 0945 | | .3 | 1 | | | | | | 0.020R | 0.050R | 0.050R |
| 80 02 06 1000 | | .3 | 1 | | | | | | 0.020R | 0.011 | 0.050 |
| 80 02 11 1500 | | .3 | 1 | 0.007 | 0.036 | | | | | | |
| 80 02 13 0930 | | .3 | 1 | | | | | | 0.020R | 0.050R | 0.050R |
| 80 02 20 0930 | | .3 | 1 | | | | | | 0.020R | 0.090 | 0.050R |
| 80 02 28 1005 | | .3 | 1 | | | | | | 0.020R | | |
| 80 03 05 1030 | | .3 | 1 | | | | | | 0.020R | | |
| 80 03 10 1120 | | .3 | 1 | 0.009 | | | | | | | |
| 80 03 19 0930 | | .3 | 1 | | | | | | 0.020R | | |
| 80 03 27 1415 | | .3 | 1 | | | | | | 0.020R | | |
| 80 04 02 1000 | | .3 | 1 | | | | | | 0.020R | | |
| 80 04 10 1400 | | .3 | 1 | | | | | | 0.030 | | |
| 80 04 14 1140 | | .3 | 1 | | | | | | 0.020 | | |
| 80 04 16 1445 | | .3 | 1 | | | | | | 0.020R | | |
| 80 04 23 1000 | | .3 | 1 | | | | | | 0.020R | | |
| 80 04 30 0955 | | .3 | 1 | 0.003 | | | | | 0.020R | | |
| 1000 | | .3 | 1 | | | | | | 0.020R | | |
| 80 05 06 1200 | | .3 | 1 | 0.011 | | | | | 0.020R | | |
| 1600 | | .3 | 1 | 0.012 | | | | | 0.020R | | |
| 80 05 07 1030 | | .3 | 1 | | | | | | 0.050 | | |
| 80 05 21 1045 | | .3 | 1 | | | | | | 0.020R | | |
| 80 05 28 0930 | | .3 | 1 | | | | | | 0.080 | | |
| 80 06 06 1330 | | .3 | 1 | | | | | | 0.020R | | |
| 80 06 11 1000 | | .3 | 1 | | | | | | 0.020R | | |
| 80 06 16 | | .3 | 1 | 0.011 | 0.110 | | | | | | |
| 80 06 18 1000 | | .3 | 1 | | | | | | 0.020R | | |
| 80 06 25 0900 | | .3 | 1 | | | | | | 0.020R | | |
| 80 07 14 | | 3 | 1 | | | | | | 0.020R | | |
| 80 07 23 1100 | | .3 | 1 | | | | | | | 0.160 | 0.050R |
| 80 08 06 1055 | | .3 | 1 | | | | | | | 0.060 | 0.050R |
| 80 08 14 1100 | | 3 | 1 | | | | | | 0.020R | 0.060 | 0.050R |
| 80 08 20 1000 | | .3 | 1 | | | | | | 0.020R | 0.100 | 0.050R |
| 80 08 26 1640 | | .3 | 1 | 0.008 | 0.10 | 0.001 | 0.001< | 0.01 < | 0.020R | | |
| 80 08 28 1145 | | .3 | 1 | | | | | | 0.020R | | |
| 80 09 12 0930 | | .3 | 1 | | | | | | 0.020R | 0.050R | 0.050R |
| 80 09 17 1420 | | .3 | 1 | | | | | | 0.020R | | |
| 80 09 22 1430 | | 3 | 1 | 0.007 | 0.076 | | | | 0.020R | | |
| 80 09 24 0945 | | .3 | 1 | | | | | | 0.020R | 0.43 | 0.050R |
| 80 10 01 0915 | | .3 | 1 | | | | | | 0.020R | 0.050 | 0.050R |
| 80 10 09 1130 | | .3 | 1 | | | | | | 0.020R | | |
| 80 10 14 1110 | | .3 | 1 | 0.011 | | | | 0.010< | 0.020 | | |
| 80 10 15 1330 | | .3 | 1 | | | | | | 0.020R | | |
| 80 10 22 1005 | | .3 | 1 | | | | | | 0.020R | 0.180 | 0.050R |
| 80 10 30 1030 | | .3 | 1 | | | | | | 0.020R | 0.450 | 0.050R |
| 80 11 07 0950 | | .3 | 1 | | | | | | 0.020R | 0.120 | 0.050R |
| 80 11 12 0950 | | .3 | 1 | | | | | | 0.020R | | |
| 80 11 17 | | .3 | 1 | | | | | | 0.020R | | |
| 80 11 20 0910 | | .3 | 1 | | | | | | 0.020R | 0.050R | 0.050R |
| 80 11 26 1035 | | .3 | 1 | | | | | | 0.020R | 0.580 | 0.050R |
| 80 12 10 1000 | | .3 | 1 | | | | | | 0.028 | | |
| 80 12 18 0930 | | .3 | 1 | | | | | | 0.020R | 0.050 | 0.050R |
| 1015 | | .3 | 1 | | 0.600 | | | | 0.020R | | |
| **MAXIMUM** | | | | **0.012** | **0.600** | **0.001** | **0.001** | **0.010** | | **0.580** | **0.050** |
| **ARITH MEAN** | | | | **0.008** | **0.16** | **0.001** | **0.001L** | **0.01 L** | | **0.14 B** | **0.050B** |
| **GEOM MEAN** | | | | **0.008** | **0.09** | | | **0.01 L** | | **0.09 B** | **0.050B** |
| **MINIMUM** | | | | **0.003** | **0.036** | **0.001** | **0.001<** | **0.01 <** | | **0.011** | **0.050** |
| **STD DEV** | | | | **0.003** | **0.21** | | | **0.00 L** | | **0.15 B** | **0.000B** |
| **NO OF SAMPLES** | | | | **10** | **8** | **1** | **1** | **2** | | **20** | **20** |

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B.O.W./ SITE: **KAMINISTIQUIA RIVER**
SAMPLE POINT: **UPSTREAM OF HIGHWAY NO 61 BRIDGE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **KAMINISTIQUIA RIVER**

STATION ID: **01-0108-002-02**
STORET CODE: **02**
**001**
**7920**

LAT: LONG: U.T.M.: **16 0329200.0 5357075.0 4** REGION: **06** DISTANCE: **8.851**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 14 1030 | | .3 | 1 | 10000 | 4 | 30I | 330 | 12 | 4< | 1.0 | 13.5 | 3.5 | 0.007 |
| 80 02 11 1430 | | .3 | 1 | 10014 | 4 | 12 | 104 | 4 | 4< | 0.0 | 12.6 | 1.6 | 0.007 |
| 80 03 10 1330 | | .3 | 1 | 10028 | 4 | 40 | 200 | 4< | 12 | 0.0 | 13.9 | 1.6 | 0.003 |
| 80 04 14 1130 | | .3 | 1 | 10042 | 4 | 192 | 448 | 20 | | 0.0 | 138 | 1.4 | 0.033 |
| 80 05 06 1200 | | .3 | 1 | 10069 | | 204C | 3600 | 20 | | 18.0 | 8.6 | 0.6 | 0.030 |
| 80 06 16 | | .3 | 1 | 10093 | | 500I | 4000 | 24 | | 18.7 | 8.7 | 0.2 | 0.018 |
| 80 07 14 1240 | | .3 | 1 | 10117 | | 600I | 8000 | 88 | | 19.5 | 7.7 | 0.4 | 0.015 |
| 80 08 26 1700 | | .3 | 1 | 10141 | | 200I | 1800 | 16 | | 22.0 | 8.5 | 0.2 | 0.004 |
| 80 09 22 1400 | | .3 | 1 | 10165 | | 1100 | 6500 | 88 | | 11.0 | 10.4 | 1.2 | 0.041 |
| 80 10 14 1100 | | 3 | 1 | 10189 | | 220 | 2600 | 16 | | 6.0 | 12.0 | 0.4 | 0.019 |
| 80 11 17 | | .3 | 1 | 10204 | 8 | 60I | 690 | 8 | | | | 1.2 | 0.017 |
| 80 12 15 0950 | | .3 | 1 | 10219 | 4 | 148 | 460 | 8 | | 0.5 | 10.0 | 0.6 | 0.008 |
| **MAXIMUM** | | | | | | **1100** | **8000** | **88** | **12** | **22.0** | **138** | **3.5** | **0.041** |
| **ARITH MEAN** | | | | | | **275** | **2394** | **26L** | **7L** | **8.8** | **22** | **1.1** | **0.017** |
| **GEOM MEAN** | | | | | | **143** | **1108** | **16L** | **6L** | **4.0** | **13** | **0.8** | **0.013** |
| **MINIMUM** | | | | | | **12** | **104** | **4<** | **4<** | **0.0** | **7.7** | **0.2** | **0.003** |
| **STD DEV** | | | | | | **317** | **2654** | **30L** | **5L** | **9.2** | **38** | **0.9** | **0.012** |
| **NO OF SAMPLES** | | | | | | **12** | **12** | **12** | **3** | **11** | **11** | **12** | **12** |

(CONTD)

| TEST-NAME: | | | | | PPO4FR | RST | RSP | CCND25 | TURB | CLIDUR | ACDT | ALKT | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD |
| 80 01 14 1030 | | | .3 | 1 | 0.002 | 75.00 | 10.00 | 82.0 | 2.10 | 2.100 | | 29 | 7.20 | 7.3 |
| 80 02 11 1430 | | | .3 | 1 | 0.001 | 100 | 2 | 70 | 1.3 | 1.6 | | 29 | 7.3 | 7.3 |
| 80 03 10 1330 | | | .3 | 1 | 0.001 | 70.00 | 4.00 | 79.0 | 1.50 | 1.400 | | 31.0 | 7.00 | 7.3 |
| 80 04 14 1130 | | | .3 | 1 | 0.003 | 85.00 | 70.00 | 98.0 | 4.20 | 2.900 | | 36.0 | 6.90 | 8.0 |
| 80 05 06 1200 | | | .3 | 1 | 0.008 | 120.00 | 10.00 | 108.0 | 7.40 | 2.400 | | 40.0 | 7.40 | 7.8 |
| 80 06 16 | | | .3 | 1 | 0.001 | 90.00 | 5.00 | 108.0 | 6.10 | 2.100 | | 42.0 | 7.20 | 7.2 |
| 80 07 14 1240 | | | .3 | 1 | 0.001< | 120.00 | 5.00 | 92.0 | 1.30 | 1.500 | 1.000 | 37.0 | 7.60 | 7.9 |
| 80 08 26 1700 | | | .3 | 1 | 0.001 | 85.00 | 2.00 | 84.0 | 1.70 | 1.400 | | 33.0 | 7.50 | 8.0 |
| 80 09 22 1400 | | | .3 | 1 | 0.009 | 160.00 | 20.00 | 90.0 | 16.00 | 1.600 | | 35.0 | 7.40 | 7.9 |
| 80 10 14 1100 | | | .3 | 1 | 0.003 | 130.00 | 1.00 | 110.0 | 3.80 | 1.700 | | 43.0 | 7.30 | 6.9 |
| 60 11 17 | | | .3 | 1 | 0.001 | 90.00 | 1.00 | 3.0 | 3.00 | 2.000 | | 37.0 | 7.30 | |
| 80 12 15 0950 | | | .3 | 1 | | 100.00 | 5.00 | 88.0 | 5.50 | 1.500 | | 35.0 | 7.10 | 7.6 |
| MAXIMUM | | | | | 0.009 | 160.00 | 70.00 | 110.0 | 16.00 | 2.900 | 1.000 | 43.0 | 7.60 | 8.0 |
| ARITH MEAN | | | | | 0.003L | 102 | 11 | 84 | 4.4 | 1.8 | 1.000 | 35 | 7.2 | 7.6 |
| GEOM MEAN | | | | | 0.002L | 99 | 5 | 68 | 3.3 | 1.8 | | 35 | 7.2 | 7.6 |
| MINIMUM | | | | | 0.001< | 70.00 | 1.00 | 3.0 | 1.3 | 1.400 | 1.000 | 29 | 6.90 | 6.9 |
| STD DEV | | | | | 0.003L | 25 | 19 | 28 | 4.1 | 0.4 | | 4 | 0.2 | 0.4 |
| NO OF SAMPLES | | | | | 11 | 12 | 12 | 12 | 12 | 12 | 1 | 12 | 12 | 11 |

| TEST-NAME: | | | | | PHNOL | FEUT | HARDT | COLAP | ASUT | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 01 14 1030 | | | .3 | 1 | | 0.43 | 35.000 | 50.000 | | 0.001 | 0.008 | | | 0.024 |
| 80 02 11 1430 | | | .3 | 1 | | 0.21 | 31 | 50 | 0.001< | 0.001< | 0.004 | 0.001 | 0.001< | 0.023 |
| 80 03 10 1330 | | | .3 | 1 | | 0.29 | 31.000 | 60.000 | | | 0.005 | | | 0.007 |
| 80 04 14 1130 | | | .3 | 1 | | 1.000 | 42.000 | 70.000> | | | 0.006 | | | 0.024 |
| 80 05 06 1200 | | | .3 | 1 | | 1.100 | 44.000 | 70.000> | 0.001< | 0.002 | 0.013 | 0.003 | 0.001< | 0.004 |
| 80 06 16 | | | .3 | 1 | 1.000 | 0.440 | 48.000 | 68.000 | | | 0.003 | | | 0.002 |
| 80 07 14 1240 | | | .3 | 1 | | 0.350 | 44.000 | 30.000 | | | 0.002 | | | 0.002 |
| 80 08 26 1700 | | | .3 | 1 | | 0.25 | 42.000 | 70.000 | 0.001< | 0.001< | 0.004 | 0.001 | 0.001< | 0.001< |
| 80 09 22 1400 | | | .3 | 1 | | 2.500 | 48.000 | 246.000 | | 0.006 | 0.005 | | | 0.006 |
| 80 10 14 1100 | | | .3 | 1 | 1.000< | 0.650 | 50.000 | 136.000 | 0.001< | 0.001 | 0.004 | 0.001< | 0.001 | 0.004 |
| 80 11 17 | | | .3 | 1 | | 0.400 | 36.000 | 62.000 | | | 0.003 | | | 0.018 |
| 80 12 15 0950 | | | .3 | 1 | | 0.850 | 38.000 | 84.000 | | | 0.003 | | | 0.041 |
| MAXIMUM | | | | | 1.000 | 2.500 | 50.000 | 246.000> | 0.001 | 0.006 | 0.013 | 0.003 | 0.001 | 0.041 |
| ARITH MEAN | | | | | 1.000L | 0.70 | 40 | 83 G | 0.001L | 0.002L | 0.006 | 0.001L | 0.001L | 0.013L |
| GEOM MEAN | | | | | 1.000L | 0.54 | 40 | 71 G | 0.001L | 0.002L | 0.004 | 0.001L | 0.001L | 0.007L |
| MINIMUM | | | | | 1.000< | 0.21 | 31 | 30.000 | 0.001< | 0.001< | 0.002 | 0.001< | 0.001< | 0.001< |
| STD DEV | | | | | 0.000L | 0.63 | 6 | 57 G | 0.000L | 0.002L | 0.003 | 0.001L | 0.000L | 0.013L |
| NO OF SAMPLES | | | | | 2 | 12 | 12 | 12 | 4 | 6 | 12 | 4 | 4 | 12 |

| TEST-NAME: | | | | | MNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 01 14 1030 | | | .3 | 1 | 0.013 | | | |
| 80 02 11 1430 | | | .3 | 1 | 0.017 | 0.001< | 0.001< | 0.010< |
| 80 03 10 1330 | | | .3 | 1 | 0.009 | | | |
| 80 04 14 1130 | | | .3 | 1 | 0.024 | | | |
| 80 05 06 1200 | | | .3 | 1 | 0.018 | 0.002 | 0.001< | 0.010< |
| 80 06 16 | | | .3 | 1 | 0.021 | | | |
| 80 07 14 1240 | | | .3 | 1 | 0.021 | | | |
| 80 08 26 1700 | | | .3 | 1 | 0.017 | 0.001 | 0.001 | 0.01 < |
| 80 09 22 1400 | | | .3 | 1 | 0.038 | | | |
| 80 10 14 1100 | | | .3 | 1 | 0.016 | 0.016 | 0.001< | 0.010< |
| 80 11 17 | | | .3 | 1 | 0.007 | | | |
| 80 12 15 0950 | | | .3 | 1 | 0.031 | | | |
| MAXIMUM | | | | | 0.038 | 0.016 | 0.001 | 0.010 |
| ARITH MEAN | | | | | 0.019 | 0.005L | 0.001L | 0.01 L |
| GEOM MEAN | | | | | 0.018 | 0.002L | 0.001L | 0.01 L |
| MINIMUM | | | | | 0.007 | 0.001< | 0.001< | 0.010< |
| STD DEV | | | | | 0.009 | 0.007L | 0.000L | 0.00 L |
| NO OF SAMPLES | | | | | 12 | 4 | 4 | 4 |

B.O.W./ SITE: **KAMINISTIQUIA RIVER**
SAMPLE POINT: **MIDDLE OF TURNING BASIN**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **KAMINISTIQUIA RIVER**

STATION ID: **01-0108-003-02**
STORET CODE: **02**
**001**
**7920**

LAT:
LONG:
U T M: **16 0329475.0 5357050.0 4**
REGION: **06**
DISTANCE: **8.047**

| TEST-NAME: | | | | | SAMPLE | TCMF | TCMFBK | FCMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | RESIDUE TOTAL MG/L |
| 80 05 06 1200 | | | .3 | 1 | 10070 | 43000 | 22000 | 22000 | 17.5 | 5.7 | 30.0 | 0.072 | 0.016 | 290.00 |
| 80 06 16 | | | .3 | 1 | 10094 | 90000I | 50000I | 85000 | 19.5 | 2.2 | 28.0 | 0.089 | 0.017 | 350.00 |
| 80 07 14 1300 | | | .3 | 1 | 10118 | 50000 | 19000 | 19000 | 20.5 | 4.6 | 23.0 | 0.067 | 0.012 | 330.00 |
| 80 08 26 1645 | | | .3 | 1 | 10142 | 61000 | 21000 | 28000 | 22.5 | 4.2 | 19.0 | 0.059 | 0.012 | 310.00 |
| 80 09 22 1535 | | | .3 | 1 | 10166 | 19000 | 13000 | 2800 | 11.5 | 9.0 | 5.0 | 0.046 | 0.010 | 170.00 |
| 80 10 14 1105 | | | .3 | 1 | 10190 | 63000 | 7000I | 15000 | 7.0 | 10.2 | 17.0 | 0.071 | 0.011 | 250.00 |
| MAXIMUM | | | | | | 90000 | 50000 | 85000 | 22.5 | 10.2 | 30.0 | 0.089 | 0.017 | 350.00 |
| ARITH MEAN | | | | | | 54333 | 22000 | 28633 | 16.4 | 6.0 | 20.3 | 0.067 | 0.013 | 283.33 |
| GEOM MEAN | | | | | | 49168 | 18468 | 18628 | 15.3 | 5.3 | 17.7 | 0.066 | 0.013 | 275.92 |
| MINIMUM | | | | | | 19000 | 7000 | 2800 | 7.0 | 2.2 | 5.0 | 0.046 | 0.010 | 170.00 |
| STD DEV | | | | | | 23611 | 14832 | 28871 | 6.0 | 3.0 | 9.0 | 0.014 | 0.003 | 65.32 |
| NO OF SAMPLES | | | | | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

(CONTD)

B.O.W./SITE: **KAMINISTIQUIA RIVER**
SAMPLE POINT: **MIDDLE OF TURNING BASIN**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **KAMINISTIQUIA RIVER**

STATION ID: **01-0108-003-02**
STORET CODE: **02**
**001**
**7920**

LAT: LONG: U T M: **16 0329475.0 5357050.0 4** REGION: **06** DISTANCE: **0.047**

| TEST-NAME: | | | | | RSP | COND25 | TURB | CLIDUR | ACDT | ALKT | PH | FWPH | PHNOL | HARDT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | HARDNESS TOTAL MG/L AS CACO3 |
| 80 05 06 1200 | | | .3 | 1 | 25.00 | 270.0 | 9.20 | 26.000 | | 60.0 | 7.10 | 7.7 | | 56.000 |
| 80 06 16 | | | .3 | 1 | 5.00 | 366.0 | 17.00 | 48.000 | | 56.0 | 6.90 | 7.3 | 85.000 | 66.000 |
| 80 07 14 1300 | | | .3 | 1 | 15.00 | 325.0 | 2.60 | 43.000 | 10.000 | 46.0 | 7.00 | 7.4 | | 5.200 |
| 80 08 26 1645 | | | .3 | 1 | 15.00 | 320.0 | 5.40 | 47.000 | | 37.0 | 6.60 | 7.1 | | 54.000 |
| 80 09 22 1535 | | | .3 | 1 | 15.00 | 130.0 | 18.00 | 9.000 | | 37.0 | 7.30 | 7.9 | | 50.000 |
| 80 10 14 1105 | | | .3 | 1 | 30.00 | 235.0 | 17.00 | 21.000 | | 43.0 | 7.20 | 7.0 | 44.000 | 54.000 |
| MAXIMUM | | | | | 30.00 | 366.0 | 18.00 | 48.000 | 10.000 | 60.0 | 7.30 | 7.9 | 85.000 | 66.000 |
| ARITH MEAN | | | | | 17.50 | 274.3 | 11.53 | 32.333 | 10.000 | 46.5 | 7.02 | 7.4 | 64.500 | 47.533 |
| GEOM MEAN | | | | | 15.27 | 260.7 | 9.36 | 27.949 | | 45.7 | 7.01 | 7.4 | 61.156 | 37.548 |
| MINIMUM | | | | | 5.00 | 130.0 | 2.60 | 9.000 | 10.000 | 37.0 | 6.60 | 7.0 | 44.000 | 5.200 |
| STD DEV | | | | | 8.80 | 84.2 | 6.70 | 16.046 | | 9.6 | 0.25 | 0.3 | 28.991 | 21.422 |
| NO OF SAMPLES | | | | | 6 | 6 | 6 | 6 | 1 | 6 | 6 | 6 | 2 | 6 |

| TEST-NAME: | | | | | COLAP |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU |
| 80 05 06 1200 | | | .3 | 1 | 70.000> |
| 80 06 16 | | | .3 | 1 | 255.000 |
| 80 07 14 1300 | | | .3 | 1 | 70.000> |
| 80 08 26 1645 | | | .3 | 1 | 237.000 |
| 80 09 22 1535 | | | .3 | 1 | 270.000 |
| 80 10 14 1105 | | | .3 | 1 | 247.000 |
| MAXIMUM | | | | | 270.000> |
| ARITH MEAN | | | | | 191.500G |
| GEOM MEAN | | | | | 164.408G |
| MINIMUM | | | | | 70.000 |
| STD DEV | | | | | 94.731G |
| NO OF SAMPLES | | | | | 6 |

B.O.W./SITE: **KAMINISTIQUIA RIVER**
SAMPLE POINT: **NEAR MOUTH THUNDER BAY**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **KAMINISTIQUIA RIVER**

STATION ID: **01-0108-004-02**
STORET CODE: **02**
**001**
**7920**

LAT: LONG: U T M: **16 0335750.0 5362100.0 4** REGION: **06**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 14 1410 | | | .3 | 1 | 10006 | 4 | 730 | 1200 | 100 | 12 | 0.0 | 13.0 | 2.0 | 0.007 |
| 80 02 11 1550 | | | .3 | 1 | 10020 | 4 | 50 | 500 | 10< | 12 | 0.0 | 12.5 | 1.8 | 0.006 |
| 80 03 10 0930 | | | .3 | 1 | 10034 | | 284 | 640 | 100 | 28 | 0.0 | 13.2 | 3.0 | 0.028 |
| 80 04 14 1420 | | | .3 | 1 | 10048 | 0 4 9 | 58000 | 166000 | 13000 | | 1.3 | 5.5 | 5.5 | 0.250 |
| 80 05 06 1200 | | | .3 | 1 | 10076 | 9 | 8800C | 25000 | 2000 | | 9.0 | 10.4 | 2.0 | 0.099 |
| 80 06 16 | | | .3 | 1 | 10100 | | 38000 | 33000 | 15000 | | 13.0 | 6.0 | 7.0 | 0.180 |
| 80 07 14 1140 | | | .3 | 1 | 10124 | | 10000 | 26000 | 4000I | | 16.0 | 4.6 | 2.5 | 0.076 |
| 80 08 26 1750 | | | .3 | 1 | 10148 | | 110000 | 350000 | 32000 | | 18.0 | 1.5 | 4.8 | 0.140 |
| 80 09 22 1300 | | | .3 | 1 | 10172 | | 1000 | 7100 | 240 | | 10.0 | 10.2 | 2.4 | 0.037 |
| 80 10 14 1210 | | | .3 | 1 | 10196 | | 8100 | 20000 | 2500 | | 8.0 | 5.5 | 12.0 | 0.092 |
| 80 11 17 | | | .3 | 1 | 10211 | 8 | 200I | 1400 | 200I | | | | 5.0 | 0.145 |
| 80 12 15 1555 | | | .3 | 1 | 10226 | | 2100 | 6500 | 770 | | 0.0 | 11.5 | 1.0 | 0.019 |
| MAXIMUM | | | | | | | 110000 | 350000 | 32000 | 28 | 18.0 | 13.2 | 12.0 | 0.250 |
| ARITH MEAN | | | | | | | 19772 | 53112 | 5827L | 17 | 6.8 | 8.5 | 4.1 | 0.090 |
| GEOM MEAN | | | | | | | 3088 | 9607 | 938L | 16 | 3.9 | 7.3 | 3.3 | 0.063 |
| MINIMUM | | | | | | | 50 | 500 | 10< | 12 | 0.0 | 1.5 | 1.0 | 0.006 |
| STD DEV | | | | | | | 33664 | 104051 | 9712L | 9 | 6.9 | 4.0 | 3.1 | 0.077 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 3 | 11 | 11 | 12 | 12 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 14 1410 | | | .3 | 1 | 0.001 | | | | | | | | 75.00 | 3.00 |
| 80 02 11 1550 | | | .3 | 1 | 0.001< | | | | | | | | 80 | 1 |
| 80 03 10 0930 | | | .3 | 1 | 0.001 | | | | | | | | 90.00 | 3.00 |
| 80 04 14 1420 | | | .3 | 1 | 0.040 | | | | | | | | 170.00 | 25.00 |
| 80 05 06 1200 | | | .3 | 1 | 0.010 | | | | | | | | 150.00 | 60.00 |
| 80 06 16 | | | .3 | 1 | 0.006 | | | | | | | | 170.00 | 15.00 |
| 80 07 14 1140 | | | .3 | 1 | 0.008 | 0.020 | 0.640 | 0.003 | 0.040 | 0.063 | 0.620 | 0.683 | 120.00 | 10.00 |
| 80 08 26 1750 | | | .3 | 1 | 0.033 | | | | | | | | 120.00 | 10.00 |
| 80 09 22 1300 | | | .3 | 1 | 0.006 | | | | | | | | 140.00 | 10.00 |
| 80 10 14 1210 | | | .3 | 1 | 0.009 | | | | | | | | 220.00 | 20.00 |
| 80 11 17 | | | .3 | 1 | 0.047 | | | | | | | | 120.00 | 10.00 |
| 80 12 15 1555 | | | .3 | 1 | 0.005 | | | | | | | | 120.00 | 3.00 |
| MAXIMUM | | | | | 0.047 | 0.020 | 0.640 | 0.003 | 0.040 | 0.063 | 0.620 | 0.683 | 220.00 | 60.00 |
| ARITH MEAN | | | | | 0.014L | 0.020 | 0.640 | 0.003 | 0.040 | 0.063 | 0.620 | 0.683 | 131 | 14 |
| GEOM MEAN | | | | | 0.007L | | | | | | | | 125 | 8 |
| MINIMUM | | | | | 0.001< | 0.020 | 0.640 | 0.003 | 0.040 | 0.063 | 0.620 | 0.683 | 75.00 | 1 |
| STD DEV | | | | | 0.016L | | | | | | | | 41 | 16 |
| NO OF SAMPLES | | | | | 12 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 12 | 12 |

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | SSO4UR | ACDT | ALKT | PH | FWPH | PHNOL | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE |
| 80 01 14 1410 | | | .3 | 1 | 113.0 | 1.40 | 3.400 | | | 44 | 7.50 | 7.1 | | 0.14 |
| 80 02 11 1550 | | | .3 | 1 | 116 | 0.60 | 2.8 | 3.3 | | 46 | 7.4 | 7.7 | | 0.034 |
| 80 03 10 0930 | | | .3 | 1 | 113.0 | 0.70 | 2.700 | | | 48.0 | 7.20 | 7.3 | | 0.070 |
| 80 04 14 1420 | | | .3 | 1 | 186.0 | 6.80 | 17.000 | | | 48.0 | 6.80 | 7.1 | | 1.500 |
| 80 05 06 1200 | | | .3 | 1 | 130.0 | 19.00 | 8.100 | 7.500 | | 43.0 | 6.90 | 7.7 | | 2.400 |
| 80 06 16 | | | .3 | 1 | 200.0 | 16.00 | 16.000 | | | 50.0 | 6.90 | 7.8 | 17.000 | 0.250 |
| 80 07 14 1140 | | | .3 | 1 | 160.0 | 2.70 | 11.000 | 13.000 | 7.000 | 46.0 | 6.80 | 6.8 | | 0.360 |
| 80 08 26 1750 | | | .3 | 1 | 155.0 | 3.30 | 9.400 | 12.000 | | 43.0 | 6.70 | 7.1 | | 0.41 |
| 80 09 22 1300 | | | .3 | 1 | 150.0 | 8.10 | 8.800 | 10.500 | | 52.0 | 7.50 | 7.9 | | 1.400 |
| 80 10 14 1210 | | | .3 | 1 | 215.0 | 8.30 | 19.000 | 26.000 | | 42.0 | 6.90 | 6.9 | 16.000 | 1.600 |
| 80 11 17 | | | .3 | 1 | 185.0 | 6.70 | 15.000 | 12.000 | | 46.0 | 7.00 | | | 0.950 |
| 80 12 15 1555 | | | .3 | 1 | 130.0 | 2.60 | 6.900 | | | 47.0 | 7.40 | 7.5 | | 0.150 |
| MAXIMUM | | | | | 215.0 | 19.00 | 19.000 | 26.000 | 7.000 | 52.0 | 7.50 | 7.9 | 17.000 | 2.400 |
| ARITH MEAN | | | | | 164 | 6.35 | 10.0 | 12.0 | 7.000 | 46 | 7.0 | 7.4 | 16.500 | 0.77 |
| GEOM MEAN | | | | | 160 | 3.91 | 8.2 | 10.3 | | 46 | 7.0 | 7.3 | 16.492 | 0.39 |
| MINIMUM | | | | | 113.0 | 0.60 | 2.700 | 3.3 | 7.000 | 42.0 | 6.70 | 6.8 | 16.000 | 0.034 |
| STD DEV | | | | | 35 | 5.93 | 5.6 | 7.0 | | 3 | 0.3 | 0.4 | 0.707 | 0.78 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 7 | 1 | 12 | 12 | 11 | 2 | 12 |

| TEST-NAME: | | | | | HARDT | CAUR | MGUR | COLAP | KKUR | NAUR | ASUT | CRUT | CUUT | PBUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | HARDNESS TOTAL MG/L AS CACO3 | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | ARSENIC UNF.TOT. MG/L AS AS | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB |
| 80 01 14 1410 | | | .3 | 1 | 44.000 | | | 5.000 | | | | 0.001< | 0.007 | |
| 80 02 11 1550 | | | .3 | 1 | 48 | | | 5 | | | 0.001< | 0.001 | 0.004 | 0.001< |
| 80 03 10 0930 | | | .3 | 1 | 46.000 | | | 5.000 | | | | | 0.004 | |
| 80 04 14 1420 | | | .3 | 1 | 58.000 | | | 70.000> | | | | | | |
| 80 05 06 1200 | | | .3 | 1 | 49.000 | | | 40.000 | | | 0.003 | 0.008 | 0.007 | 0.002 |
| 80 06 16 | | | .3 | 1 | 52.000 | | | 65.000 | | | | 0.008 | 0.004 | 0.003 |
| 80 07 14 1140 | | | .3 | 1 | 56.000 | 15.000 | 5.000 | 30.000 | 0.94 | 11.000 | | 0.003 | 0.002 | 0.003 |
| 80 08 26 1750 | | | .3 | 1 | 52.000 | | | 56.000 | | | 0.001< | 0.007 | 0.003< | 0.001< |
| 80 09 22 1300 | | | .3 | 1 | 76.000 | | | 92.000 | | | | | | |
| 80 10 14 1210 | | | .3 | 1 | 50.000 | | | 204.000 | | | 0.001< | 0.012 | 0.007 | 0.001 |
| 80 11 17 | | | .3 | 1 | 57.000 | | | 126.000 | | | | 0.003 | 0.007 | |
| 80 12 15 1555 | | | .3 | 1 | 51.000 | | | 21.000 | | | | | 0.001 | |
| MAXIMUM | | | | | 76.000 | 15.000 | 5.000 | 204.000> | 0.94 | 11.000 | 0.003 | 0.012 | 0.007 | 0.003 |
| ARITH MEAN | | | | | 53 | 15.000 | 5.000 | 59 G | 0.94 | 11.000 | 0.001L | 0.005L | 0.005L | 0.002L |
| GEOM MEAN | | | | | 52 | | | 33 G | | | 0.001L | 0.004L | 0.004L | 0.002L |
| MINIMUM | | | | | 44.000 | 15.000 | 5.000 | 5.000 | 0.94 | 11.000 | 0.001< | 0.001< | 0.001< | 0.001< |
| STD DEV | | | | | 8 | | | 58 G | | | 0.001L | 0.004L | 0.002L | 0.001L |
| NO OF SAMPLES | | | | | 12 | 1 | 1 | 12 | 1 | 1 | 4 | 8 | 10 | 6 |

| TEST-NAME: | | | | | CDUT | ZNUT | MNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 01 14 1410 | | | .3 | 1 | | 0.018 | 0.008 | | | |
| 80 02 11 1550 | | | .3 | 1 | 0.001< | 0.011 | 0.004 | 0.001< | 0.001< | 0.010< |
| 80 03 10 0930 | | | .3 | 1 | | 0.016 | 0.005 | | | |
| 80 04 14 1420 | | | .3 | 1 | | | 0.063 | | | |
| 80 05 06 1200 | | | .3 | 1 | 0.001< | 0.008 | 0.049 | 0.001 | 0.001< | 0.010< |
| 80 06 16 | | | .3 | 1 | 0.001< | 0.006 | 0.049 | 0.003 | 0.001< | |
| 80 07 14 1140 | | | .3 | 1 | 0.001< | 0.002 | 0.028 | 0.001< | 0.001< | |
| 80 08 26 1750 | | | .3 | 1 | 0.001 | 0.003 | | 0.001< | 0.001 | |
| 80 09 22 1300 | | | .3 | 1 | | | 0.047 | | | |
| 80 10 14 1210 | | | .3 | 1 | 0.001 | 0.010 | 0.084 | 0.032 | 0.001 | 0.010< |
| 80 11 17 | | | .3 | 1 | | 0.011 | 0.056 | 0.002 | | |
| 80 12 15 1555 | | | .3 | 1 | | 0.002 | 0.012 | | | |
| MAXIMUM | | | | | 0.001 | 0.018 | 0.084 | 0.032 | 0.001 | 0.010 |
| ARITH MEAN | | | | | 0.001L | 0.009 | 0.037 | 0.006L | 0.001L | 0.010L |
| GEOM MEAN | | | | | 0.001L | 0.007 | 0.024 | 0.002L | 0.001L | 0.010L |
| MINIMUM | | | | | 0.001< | 0.002 | 0.004 | 0.001< | 0.001< | 0.010< |
| STD DEV | | | | | 0.000L | 0.006 | 0.027 | 0.012L | 0.000L | 0.000L |
| NO OF SAMPLES | | | | | 6 | 10 | 11 | 7 | 6 | 3 |

B.O.W./SITE: **KAMINISTIQUIA RIVER**
SAMPLE POINT: **AT MISSION RIVER JUNCTION**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **KAMINISTIQUIA RIVER**

STATION ID: **01-0108-005-02**
STORET CODE: **02**
**001**
**7920**

LAT:
LONG:
U T M: **16 0333300.0 5359525.0 4**
REGION: **08**
DISTANCE: **4.023**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 14 1110 | | | .3 | 1 | 10002 | | 21000 | 150000 | 5600 | 2400 | 0.5 | 10.7 | 3.5 | 0.074 |
| 80 02 12 1000 | | | .3 | 1 | 10016 | 4 | 21000 | 1000 | 1600 | 184 | 0.5 | 11.3 | 10 | 0.024 |
| 80 03 10 1105 | | | .3 | 1 | 10030 | 4 | 13000 | 1600 | 10000 | 68 | 0.0 | 13.2 | 10.0 | 0.041 |
| 80 04 14 1315 | | | .3 | 1 | 10044 | 9 | 115000 | 10000 | 17000 | | 2.0 | 12.8 | 11.0 | 0.059 |
| 80 05 06 1200 | | | .3 | 1 | 10072 | 0 9 | 86000 | 39000 | 35000 | | 17.0 | 1.4 | 30.0 | 0.082 |
| 80 06 16 | | | .3 | 1 | 10096 | | 77000 | 27000 | 24000 | | 18.0 | 0.0 | 20.0 | 0.089 |
| 80 07 14 1320 | | | .3 | 1 | 10120 | | 26000 | 18000 | 6000I | | 19.3 | 0.2 | 12.0 | 0.081 |
| 80 08 26 1625 | | | .3 | 1 | 10144 | 9 0 | | | | | 21.5 | 1.1 | 9.5 | 0.065 |
| 80 09 22 1435 | | | .3 | 1 | 10168 | 0 9 | | | | | 11.0 | 9.1 | 3.0 | 0.056 |
| 80 10 14 1120 | | | .3 | 1 | 10192 | 0 9 | 9900 | 6100 | 4300 | | 7.0 | 9.6 | 15.0 | 0.057 |
| 80 11 17 | | | .3 | 1 | 10207 | 8 | 17000 | 6000I | 2700 | | | | 7.0 | 0.054 |
| 80 12 15 1040 | | | .3 | 1 | 10221 | 4 0 | 4900 | 3300 | 2400 | | 0.0 | 5.0 | 7.5 | 0.117 |
| MAXIMUM | | | | | | | 115000 | 150000 | 35000 | 2400 | 21.5 | 13.2 | 30.0 | 0.117 |
| ARITH MEAN | | | | | | | 39080 | 26200 | 10860 | 884 | 8.8 | 6.8 | 11 | 0.067 |
| GEOM MEAN | | | | | | | 24954 | 9419 | 6808 | 311 | 4.1 | 3.8 | 9 | 0.062 |
| MINIMUM | | | | | | | 4900 | 1000 | 1600 | 68 | 0.0 | 0.0 | 3.0 | 0.024 |
| STD DEV | | | | | | | 38609 | 46212 | 11118 | 1314 | 8.8 | 5.3 | 7 | 0.024 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 3 | 11 | 11 | 12 | 12 |

(CONTD)

SAMPLE INFORMATION SYSTEM

## 1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

STATION ID: **01-0108-005-02**

B.O.W./ SITE: **KAMINISTIQUIA RIVER**
SAMPLE POINT: **AT MISSION RIVER JUNCTION**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **KAMINISTIQUIA RIVER**

STORET CODE: **02**
**001**
**7020**

U.T.M.: **16 0333300.0 5359525.0 4** REGION: **06** DISTANCE: **4.023**

LAT LONG:

| TEST-NAME: | | | | PPO4FR | RST | RSP | COND25 | TURB | CLIDUR | ACDT | ALKT | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD |
| 80 01 14 1110 | | | .3 | 1 | 0.004 | 90.00 | 5.00 | 131.0 | 2.80 | 6.900 | | 44 | 7.00 | 7.4 |
| 80 02 12 1000 | | | .3 | 1 | 0.005 | 180 | 5 | 143 | 3.3 | 10 | | 35 | 7.1 | 7.3 |
| 80 03 10 1105 | | | .3 | 1 | 0.008 | 270.00 | 10.00 | 266.0 | 3.60 | 31.000 | | 52.0 | 7.10 | 7.1 |
| 80 04 14 1315 | | | .3 | 1 | 0.009 | 190.00 | 10.00 | 210.0 | 4.10 | 24.000 | | 42.0 | 7.20 | 7.7 |
| 80 05 06 1200 | | | .3 | 1 | 0.016 | 260.00 | 20.00 | 260.0 | 16.00 | 26.000 | | 54.0 | 6.90 | 7.8 |
| 80 06 16 | | | .3 | 1 | 0.009 | 320.00 | 10.00 | 331.0 | 15.00 | 39.000 | | 54.0 | 6.70 | |
| 80 07 14 1320 | | | .3 | 1 | 0.006 | 220.00 | 15.00 | 260.0 | 4.10 | 29.000 | 15.000 | 47.0 | 6.70 | 7.1 |
| 80 08 26 1625 | | | .3 | 1 | 0.007 | 220.00 | 10.00 | 245.0 | 4.80 | 29.000 | | 36.0 | 6.60 | 7.0 |
| 80 09 22 1435 | | | .3 | 1 | 0.010 | 190.00 | 25.00 | 136.0 | 23.00 | 9.600 | | 40.0 | 7.20 | 7.4 |
| 80 10 14 1120 | | | .3 | 1 | 0.009 | 200.00 | 20.00 | 200.0 | 7.30 | 20.000 | | 38.0 | 7.10 | 7.2 |
| 80 11 17 | | | .3 | 1 | 0.003 | 170.00 | 2.00 | 165.0 | 5.10 | 12.000 | | 37.0 | 7.20 | |
| 80 12 15 1040 | | | .3 | 1 | | 190.00 | 10.00 | 190.0 | 5.00 | 17.000 | | 46.0 | 6.80 | 6.9 |
| MAXIMUM | | | | | 0.016 | 320.00 | 25.00 | 331.0 | 23.00 | 39.000 | 15.000 | 54.0 | 7.20 | 7.8 |
| ARITH MEAN | | | | | 0.008 | 208 | 11 | 211 | 7.8 | 21 | 15.000 | 43 | 6.9 | 7.3 |
| GEOM MEAN | | | | | 0.007 | 200 | 9 | 203 | 6.1 | 18 | | 43 | 6.9 | 7.3 |
| MINIMUM | | | | | 0.003 | 90.00 | 2.00 | 131.0 | 2.80 | 6.900 | 15.000 | 35 | 6.60 | 6.9 |
| STD DEV | | | | | 0.004 | 57 | 6 | 62 | 6.5 | 10 | | 6 | 0.2 | 0.3 |
| NO OF SAMPLES | | | | | 11 | 12 | 12 | 12 | 12 | 12 | 1 | 12 | 12 | 10 |

| TEST-NAME: | | | | | PHNOL | FEUT | HARDT | COLAP | ASUT | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 01 14 1110 | | | .3 | 1 | | 0.26 | 46.000 | 40.000 | | 0.001< | 0.006 | | | 0.009 |
| 80 02 12 1000 | | | .3 | 1 | | 0.25 | 35 | 70 > | 0.001< | 0.003 | 0.008 | 0.001< | 0.001< | 0.001 |
| 80 03 10 1105 | | | .3 | 1 | | 0.54 | 60.000 | 70 > | | | 0.004 | | | 0.002 |
| 80 04 14 1315 | | | .3 | 1 | | 0.820 | 53.000 | 70.000> | | | 0.007 | | | 0.007 |
| 80 05 06 1200 | | | .3 | 1 | | 1.300 | 56.000 | 70.000> | 0.003 | 0.012 | 0.008 | 0.002 | 0.001< | 0.009 |
| 80 06 16 | | | .3 | 1 | 80.000 | 0.370 | 58.000 | 193.000 | | | 0.011 | | | 0.004 |
| 80 07 14 1320 | | | .3 | 1 | | 0.410 | 58.000 | 70.000> | | | 0.003 | | | 0.003 |
| 80 08 26 1625 | | | .3 | 1 | | 0.57 | 58.000 | 161.000 | 0.001< | 0.010 | 0.008 | 0.005 | 0.001< | 0.009 |
| 80 09 22 1435 | | | .3 | 1 | | 1.600 | 54.000 | 275.000 | | 0.006 | 0.003 | | | 0.006 |
| 80 10 14 1120 | | | .3 | 1 | 36.000 | 1.400 | 48.000 | 220.000 | 0.001< | 0.013 | 0.005 | 0.001 | 0.001 | 0.009 |
| 80 11 17 | | | .3 | 1 | | 0.650 | 46.000 | 141.000 | | | 0.012 | | | 0.008 |
| 80 12 15 1040 | | | .3 | 1 | | 0.052 | 53.000 | 111.000 | | | 0.002 | | | 0.010 |
| MAXIMUM | | | | | 80.000 | 1.600 | 60.000 | 275.000> | 0.003 | 0.013 | 0.012 | 0.005 | 0.001 | 0.010 |
| ARITH MEAN | | | | | 58.000 | 0.68 | 52 | 124 G | 0.001L | 0.007L | 0.006 | 0.002L | 0.001L | 0.006 |
| GEOM MEAN | | | | | 53.666 | 0.50 | 51 | 105 G | 0.001L | 0.006L | 0.006 | 0.002L | 0.001L | 0.005 |
| MINIMUM | | | | | 36.000 | 0.052 | 35 | 40.000 | 0.001< | 0.001< | 0.002 | 0.001< | 0.001< | 0.001 |
| STD DEV | | | | | 31.113 | 0.49 | 7 | 74 G | 0.001L | 0.005L | 0.003 | 0.002L | 0.000L | 0.003 |
| NO OF SAMPLES | | | | | 2 | 12 | 12 | 12 | 4 | 6 | 12 | 4 | 4 | 12 |

| TEST-NAME: | | | | | MNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 01 14 1110 | | | .3 | 1 | 0.018 | | | |
| 80 02 12 1000 | | | .3 | 1 | 0.009 | 0.002 | 0.001 | 0.010< |
| 80 03 10 1105 | | | .3 | 1 | 0.076 | | | |
| 80 04 14 1315 | | | .3 | 1 | 0.062 | | | |
| 80 05 06 1200 | | | .3 | 1 | 0.094 | 0.002 | 0.002 | 0.010< |
| 80 06 16 | | | .3 | 1 | 0.064 | | | |
| 80 07 14 1320 | | | .3 | 1 | 0.055 | | | |
| 80 08 26 1625 | | | .3 | 1 | 0.085 | 0.001 | 0.001 | 0.01 < |
| 80 09 22 1435 | | | .3 | 1 | 0.044 | | | |
| 80 10 14 1120 | | | .3 | 1 | 0.079 | 0.032 | 0.001< | 0.010< |
| 80 11 17 | | | .3 | 1 | 0.047 | | | |
| 80 12 15 1040 | | | .3 | 1 | 0.052 | | | |
| MAXIMUM | | | | | 0.094 | 0.032 | 0.002 | 0.010 |
| ARITH MEAN | | | | | 0.057 | 0.009 | 0.001L | 0.01 L |
| GEOM MEAN | | | | | 0.049 | 0.003 | 0.001L | 0.01 L |
| MINIMUM | | | | | 0.009 | 0.001 | 0.001< | 0.010< |
| STD DEV | | | | | 0.026 | 0.015 | 0.000L | 0.00 L |
| NO OF SAMPLES | | | | | 12 | 4 | 4 | 4 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **MC KELLAR RIVER**
SAMPLE POINT: **AT 104TH AVE THUNDER BAY**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **MC KELLAR RIVER**

STATION ID: **01-0109-001-02**

STORET CODE: **02**
**001**
**7930**

LAT:
LONG:
U T M: **16 0334100.0 5360425.0 4**
REGION: **08**
DISTANCE: **2.414**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 14 1330 | | | .3 | 1 | 10003 | 4 | 72000 | 180000 | 14800 | 4300 | 0.5 | 10.4 | 2.5 | 0.096 |
| 80 02 12 0945 | | | .3 | 1 | 10017 | | 150 | 20 | 40 | 4< | 0.5 | 11.2 | 2.0 | 0.018 |
| 80 03 10 1030 | | | .3 | 1 | 10031 | 4 | 580 | 130 | 116 | 8 | 0.0 | 12.5 | 3.0 | 0.079 |
| 80 04 14 1400 | | | .3 | 1 | 10045 | 9 | 41000 | 12000 | 3000I | | 1.5 | 11.6 | 6.0 | 0.110 |
| 80 05 06 1200 | | | .3 | 1 | 10073 | 0 9 | 38000 | 51000 | 8000I | | 13.0 | 2.7 | 10.0 | 0.170 |
| 80 06 16 | | | .3 | 1 | 10097 | | 51000 | 52000 | 28000 | | 15.0 | 0.3 | 9.5 | 0.200 |
| 80 07 14 1330 | | | .3 | 1 | 10121 | | 63000 | 120000 | 9000I | | 18.7 | 0.3 | 12.0 | 0.140 |
| 80 08 26 1740 | | | .3 | 1 | 10145 | 0 9 | 82000 | 94000 | 39000 | | 20.5 | 0.5 | 8.0 | 0.086 |
| 80 09 22 1310 | | | .3 | 1 | 10169 | 0 9 | 150000 | 300000 | 24000 | | 10.5 | 7.4 | 3.6 | 0.16 |
| 80 10 14 1155 | | | .3 | 1 | 10193 | 0 9 | 1200 | 2100 | 230 | | 7.5 | 7.2 | 0.8 | 0.051 |
| 80 11 17 | | | .3 | 1 | 10208 | 8 | 5000 | 2800 | 1400 | | | | 6.5 | 0.100 |
| 80 12 15 1045 | | | .3 | 1 | 10223 | 4 | 8600 | 13100 | 2800 | | 0.0 | 6.0 | 4.2 | 0.072 |
| MAXIMUM | | | | | | | 150000 | 300000 | 39000 | 4300 | 20.5 | 12.5 | 12.0 | 0.200 |
| ARITH MEAN | | | | | | | 42711 | 68929 | 10865 | 1437L | 8.0 | 6.4 | 5.7 | 0.10 |
| GEOM MEAN | | | | | | | 12830 | 11197 | 2898 | 52L | 3.8 | 3.4 | 4.5 | 0.09 |
| MINIMUM | | | | | | | 150 | 20 | 40 | 4< | 0.0 | 0.3 | 0.8 | 0.018 |
| STD DEV | | | | | | | 45039 | 92566 | 12959 | 2479L | 8.0 | 4.8 | 3.6 | 0.05 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 3 | 11 | 11 | 12 | 12 |

| TEST-NAME: | | | | | PPO4FR | RST | RSP | COND25 | TURB | CLIDUR | ACDT | ALKT | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD |
| 80 01 14 1330 | | | .3 | 1 | 0.011 | 100.00 | 5.00 | 132.0 | 2.70 | 6.400 | | 45 | 7.00 | 7.2 |
| 80 02 12 0945 | | | .3 | 1 | 0.001 | 100 | 2 | 125 | 0.90 | 3.7 | | 46 | 7.2 | 7.4 |
| 80 03 10 1030 | | | .3 | 1 | 0.001 | 95.00 | 5.00 | 122.0 | 1.20 | 4.000 | | 47.0 | 7.10 | 7.3 |
| 80 04 14 1400 | | | .3 | 1 | 0.008 | 190.00 | 20.00 | 203.0 | 5.60 | 23.000 | | 45.0 | 7.10 | |
| 80 05 06 1200 | | | .3 | 1 | 0.009 | 200.00 | 20.00 | 195.0 | 8.70 | 18.000 | | 46.0 | 6.60 | 7.4 |
| 80 06 16 | | | .3 | 1 | 0.005 | 210.00 | 15.00 | 225.0 | 16.00 | 24.000 | 14.000 | 50.0 | 6.70 | 7.6 |
| 80 07 14 1330 | | | .3 | 1 | 0.006 | 230.00 | 15.00 | 250.0 | 4.60 | 27.000 | 15.000 | 48.0 | 6.70 | 6.8 |
| 80 08 26 1740 | | | .3 | 1 | 0.005 | 190 00 | 15.00 | 210.0 | 5.00 | 22.000 | | 37.0 | 6.40 | 6.8 |
| 80 09 22 1310 | | | .3 | 1 | 0.032 | 190 | 35 | 170 | 30 | 11 | | 54 | 7.1 | 7.8 |
| 80 10 14 1155 | | | .3 | 1 | 0.009 | 130.00 | 9.00 | 150.0 | 6.90 | 9.500 | | 45.0 | 7.10 | 7.5 |
| 80 11 17 | | | .3 | 1 | 0.004 | 140.00 | 8.00 | 165.0 | 6.50 | 13.000 | | 43.0 | 6.90 | |
| 80 12 15 1045 | | | .3 | 1 | | 140.00 | 9.00 | 155.0 | 4.60 | 12.000 | | 45.0 | 7.00 | 7.6 |
| MAXIMUM | | | | | 0.032 | 230.00 | 35 | 250.0 | 30 | 27.000 | 15.000 | 54 | 7.2 | 7.8 |
| ARITH MEAN | | | | | 0.008 | 159 | 13 | 175 | 7 | 14 | 14.500 | 46 | 6.9 | 7.3 |
| GEOM MEAN | | | | | 0.005 | 152 | 10 | 170 | 5 | 12 | 14.491 | 46 | 6.9 | 7.3 |
| MINIMUM | | | | | 0.001 | 95.00 | 2 | 122.0 | 0.90 | 3.7 | 14.000 | 37.0 | 6.40 | 6.8 |
| STD DEV | | | | | 0.008 | 47 | 9 | 41 | 8 | 8 | 0.707 | 4 | 0.2 | 0.3 |
| NO OF SAMPLES | | | | | 11 | 12 | 12 | 12 | 12 | 12 | 2 | 12 | 12 | 10 |

| TEST-NAME: | | | | | PHNOL | FEUT | HARDT | COLAP | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN |
| 80 01 14 1330 | | | .3 | 1 | | 0.270 | 48.000 | 40.000 | | 0.006 | | | 0.008 | 0.005 |
| 80 02 12 0945 | | | .3 | 1 | | 0.070 | 48 | 15 | 0.003 | 0.004 | 0.002 | 0.001< | 0.014 | 0.009 |
| 80 03 10 1030 | | | .3 | 1 | | 0.10 | 44.000 | 15.000 | | 0.005 | | | 0.006 | 0.008 |
| 80 04 14 1400 | | | .3 | 1 | | 1.200 | 53.000 | 70.000> | | 0.006 | | | 0.007 | 0.062 |
| 80 05 06 1200 | | | .3 | 1 | | 1.100 | 53.000 | 70.000> | 0.007 | 0.006 | 0.002 | 0.001< | 0.007 | 0.074 |
| 80 06 16 | | | .3 | 1 | | 0.800 | 54.000 | 101.000 | | 0.005 | | | 0.007 | 0.015 |
| 80 07 14 1330 | | | .3 | 1 | | 0.360 | 54.000 | 70.000> | | 0.008 | | | 0.003 | 0.043 |
| 80 08 26 1740 | | | .3 | 1 | | 0.61 | 30.000 | 126.000 | 0.010 | 0.048 | 0.001< | 0.001< | 0.016 | 0.060 |
| 80 09 22 1310 | | | .3 | 1 | | | 68 | 251 | 0.007 | 0.008 | | | 0.020 | |
| 80 10 14 1155 | | | .3 | 1 | 1.000< | 0.900 | 50.000 | 71.000 | 0.003 | 0.003 | 0.001< | 0.001 | 0.004 | 0.037 |
| 80 11 17 | | | .3 | 1 | | 0.650 | 51.000 | 115.000 | | 0.006 | | | 0.007 | 0.047 |
| 80 12 15 1045 | | | .3 | 1 | | 0.035 | 48.000 | 61.000 | | 0.002 | | | 0.004 | 0.035 |
| MAXIMUM | | | | | 1.000 | 1.200 | 68 | 251 > | 0.010 | 0.048 | 0.002 | 0.001 | 0.020 | 0.074 |
| ARITH MEAN | | | | | 1.000L | 0.55 | 50 | 83 G | 0.006 | 0.009 | 0.001L | 0.001L | 0.009 | 0.038 |
| GEOM MEAN | | | | | | 0.34 | 49 | 64 G | 0.005 | 0.006 | 0.001L | 0.001L | 0.007 | 0.026 |
| MINIMUM | | | | | 1.000< | 0.036 | 30.000 | 15 | 0.003 | 0.002 | 0.001< | 0.001< | 0.003 | 0.005 |
| STD DEV | | | | | | 0.41 | 8 | 62 G | 0.003 | 0.012 | 0.001L | 0.000L | 0.006 | 0.024 |
| NO OF SAMPLES | | | | | 1 | 11 | 12 | 12 | 5 | 12 | 4 | 4 | 12 | 11 |

| TEST-NAME: | | | | | NIUT | COUT |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 01 14 1330 | | | .3 | 1 | 0.001 | |
| 80 02 12 0945 | | | .3 | 1 | 0.002 | 0.001< |
| 80 05 06 1200 | | | .3 | 1 | 0.002 | 0.001< |
| 80 08 26 1740 | | | .3 | 1 | 0.001 | 0.001 |
| 80 10 14 1155 | | | .3 | 1 | 0.019 | 0.001< |
| MAXIMUM | | | | | 0.019 | 0.001 |
| ARITH MEAN | | | | | 0.006 | 0.001L |
| GEOM MEAN | | | | | 0.002 | 0.001L |
| MINIMUM | | | | | 0.001 | 0.001< |
| STD DEV | | | | | 0.008 | 0.000L |
| NO OF SAMPLES | | | | | 5 | 4 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **MC KELLAR RIVER**
SAMPLE POINT: **NEAR MOUTH CITY OF THUNDER BAY**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **MC KELLAR RIVER**

STATION ID: **01-0109-002-02**

STORET CODE: **02**
**001**
**7030**

LAT:
LONG:
U T M: **16 0335150.0 5380425.0 4**
REGION: **06**
DISTANCE: **0.161**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
| 80 01 14 1130 | | | .3 | 1 | 10004 | 4 | 10900 | 11000 | 2000 | 380 | 0.0 | 11.0 | 4.5 | 0.037 |
| 80 02 12 0915 | | | .3 | 1 | 10018 | | 20 | 20 | 4< | 4< | 0.0 | 11.4 | 3.5 | 0.019 |
| 80 03 10 1010 | | | .3 | 1 | 10032 | 4 | 44 | 8 | 16 | 4< | 0.0 | 12.0 | 0.8 | 0.014 |
| 80 04 14 1350 | | | .3 | 1 | 10046 | 9 | 384 | 524 | 88 | | 0.5 | 9.4 | 1.8 | 0.047 |
| 80 05 06 1200 | | | .3 | 1 | 10074 | 0 9 | 11100C | 40000 | 1100 | | 11.0 | 1.9 | 5.0 | 0.160 |
| 80 06 16 | | | .3 | 1 | 10098 | | 23000 | 20000 | 14000 | | 12.7 | 3.1 | 6.0 | 0.131 |
| 80 07 14 1340 | | | .3 | 1 | 10122 | | 26000 | 52000 | 4400 | | 17.0 | 0.3 | 3.0 | 0.110 |
| 80 08 26 1730 | | | .3 | 1 | 10146 | 0 | 78000 | 21000 | 51000 | | 19.0 | 0.5 | 3.8 | 0.099 |
| 80 09 22 1320 | | | .3 | 1 | 10170 | 0 9 | 3000I | 34000 | 800I | | 10.5 | 7.5 | 3.6 | 0.080 |
| 80 10 14 1145 | | | .3 | 1 | 10194 | 0 9 | 3500 | 16500 | 700I | | 7.0 | 10.6 | 0.2 | 0.045 |
| 80 11 17 | | | .3 | 1 | 10209 | 8 | 1200 | 2800 | 270 | | | | 2.4 | 0.065 |
| 80 12 15 1125 | | | .3 | 1 | 10224 | 4 | 240 | 650 | 84 | | 0.0 | 12.5 | 0.6 | 0.001< |
| MAXIMUM | | | | | | | 78000 | 52000 | 51000 | 380 | 19.0 | 12.5 | 6.0 | 0.160 |
| ARITH MEAN | | | | | | | 13116 | 16642 | 6206L | 129L | 7.1 | 7.3 | 2.9 | 0.067L |
| GEOM MEAN | | | | | | | 2068 | 3111 | 530L | 18L | 3.7 | 4.4 | 2.1 | 0.041L |
| MINIMUM | | | | | | | 20 | 8 | 4< | 4< | 0.0 | 0.3 | 0.2 | 0.001< |
| STD DEV | | | | | | | 22340 | 17631 | 14660L | 217L | 7.4 | 4.9 | 1.8 | 0.060L |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 3 | 11 | 11 | 12 | 12 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | PPO4FR | RST | RSP | COND25 | TURB | CLIDUR | ACDT | ALKT | PH | FWPH |
| 80 01 14 1130 | | | .3 | 1 | 0.003 | 140.00 | 5.00 | 147.0 | 2.80 | 7.500 | | 48 | 7.10 | 7.0 |
| 80 02 12 0915 | | | .3 | 1 | 0.001 | 80 | 1 | 122 | 0.75 | 3.6 | | 47 | 7.3 | 7.1 |
| 80 03 10 1010 | | | .3 | 1 | 0.001 | 110.00 | 3.00 | 122.0 | 0.80 | 3.700 | | 48.0 | 7.10 | 6.8 |
| 80 04 14 1350 | | | .3 | 1 | 0.001 | 95.00 | 10.00 | 117.0 | 2.30 | 5.700 | | 40.0 | 7.00 | 7.4 |
| 80 05 06 1200 | | | .3 | 1 | 0.029 | 160.00 | 15.00 | 180.0 | 10.00 | 17.000 | | 46.0 | 6.50 | 7.3 |
| 80 06 16 | | | .3 | 1 | 0.003 | 150.00 | 15.00 | 196.0 | 15.00 | 16.000 | | 48.0 | 6.80 | 7.4 |
| 80 07 14 1340 | | | .3 | 1 | 0.015 | 170.00 | 10.00 | 190.0 | 3.10 | 14.000 | 10.000 | 48.0 | 6.70 | 6.9 |
| 80 08 26 1730 | | | .3 | 1 | 0.003 | 145.00 | 15.00 | 160.0 | 3.20 | 11.000 | | 40.0 | 6.80 | 7.0 |
| 80 09 22 1320 | | | .3 | 1 | 0.013 | 180 | 30 | 150 | 28 | 9.0 | | 44 | 7.0 | 7.7 |
| 80 10 14 1145 | | | .3 | 1 | 0.007 | 100.00 | 10.00 | 115.0 | 4.60 | 3.700 | | 43.0 | 7.20 | 7.2 |
| 80 11 17 | | | .3 | 1 | 0.008 | 110.00 | 10.00 | 150.0 | 6.60 | 8.900 | | 45.0 | 7.10 | |
| 80 12 15 1125 | | | .3 | 1 | | 90.00 | 2.00 | 118.0 | 2.00 | 4.600 | | 45.0 | 7.60 | 7.5 |
| MAXIMUM | | | | | 0.029 | 180 | 30 | 196.0 | 28 | 17.000 | 10.000 | 48 | 7.60 | 7.7 |
| ARITH MEAN | | | | | 0.008 | 127 | 10 | 147 | 6 | 8.7 | 10.000 | 45 | 7.0 | 7.2 |
| GEOM MEAN | | | | | 0.004 | 123 | 7 | 144 | 3 | 7.5 | | 45 | 7.0 | 7.2 |
| MINIMUM | | | | | 0.001 | 80 | 1 | 115.0 | 0.75 | 3.6 | 10.000 | 40.0 | 6.50 | 6.8 |
| STD DEV | | | | | 0.009 | 33 | 7 | 29 | 7 | 4.8 | | 2 | 0.2 | 0.3 |
| NO OF SAMPLES | | | | | 11 | 12 | 12 | 12 | 12 | 12 | 1 | 12 | 12 | 11 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | PHNOL | FEUT | HARDT | COLAP | ASUT | CRUT | CUUT | PBUT | CDUT | ZNUT |
| 80 01 14 1130 | | | .3 | 1 | | 0.29 | 50.000 | 40.000 | | 0.001< | 0.014 | | | 0.014 |
| 80 02 12 0915 | | | .3 | 1 | | 0.070 | 50 | 5 | 0.001< | 0.005 | 0.006 | 0.003 | 0.001< | 0.013 |
| 80 03 10 1010 | | | .3 | 1 | | 0.09 | 48.000 | 10.000 | | | 0.005 | | | 0.009 |
| 80 04 14 1350 | | | .3 | 1 | | 0.860 | 44.000 | 30.000 | | | 0.005 | | | 0.017 |
| 80 05 06 1200 | | | .3 | 1 | | 1.100 | 53.000 | 70.000> | 0.004 | 0.007 | 0.006 | 0.004 | 0.001< | 0.006 |
| 80 06 16 | | | .3 | 1 | 16.000 | 0.620 | 54.000 | 70.000 | | | 0.004 | | | 0.014 |
| 80 07 14 1340 | | | .3 | 1 | | 0.400 | 58.000 | 40.000 | | | 0.004 | | | 0.005 |
| 80 08 26 1730 | | | .3 | 1 | | 0.39 | 48.000 | 72.000 | 0.001< | 0.006 | 0.005 | 0.002 | 0.001< | 0.003 |
| 80 09 22 1320 | | | .3 | 1 | | | 60 | 254 | | 0.007 | 0.007 | | | 0.016 |
| 80 10 14 1145 | | | .3 | 1 | 1.000< | 0.750 | 46.000 | 24.000 | 0.001< | 0.001< | 0.004 | 0.002 | 0.001 | 0.004 |
| 80 11 17 | | | .3 | 1 | | 0.850 | 53.000 | 69.000 | | | 0.007 | | | 0.005 |
| 80 12 15 1125 | | | .3 | 1 | | 0.007 | 46.000 | 4.000 | | | 0.001< | | | 0.009 |
| MAXIMUM | | | | | 16.000 | 1.100 | 60 | 254 > | 0.004 | 0.007 | 0.014 | 0.004 | 0.001 | 0.017 |
| ARITH MEAN | | | | | 8.500L | 0.49 | 50 | 57 G | 0.002L | 0.004L | 0.006L | 0.003 | 0.001L | 0.010 |
| GEOM MEAN | | | | | 4.000L | 0.27 | 50 | 32 G | 0.001L | 0.003L | 0.005L | 0.003 | 0.001L | 0.008 |
| MINIMUM | | | | | 1.000< | 0.007 | 44.000 | 4.000 | 0.001< | 0.001< | 0.001< | 0.002 | 0.001< | 0.003 |
| STD DEV | | | | | 10.607L | 0.36 | 4 | 67 G | 0.001L | 0.003L | 0.003L | 0.001 | 0.000L | 0.005 |
| NO OF SAMPLES | | | | | 2 | 11 | 12 | 12 | 4 | 6 | 12 | 4 | 4 | 12 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | MANGANSE UNF.TOT MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | MNUT | NIUT | COUT | CCNAUR |
| 80 01 14 1130 | | | .3 | 1 | 0.023 | | | |
| 80 02 12 0915 | | | .3 | 1 | 0.040 | 0.003 | 0.001< | 0.010< |
| 80 03 10 1010 | | | .3 | 1 | 0.006 | | | |
| 80 04 14 1350 | | | .3 | 1 | 0.033 | | | |
| 80 05 06 1200 | | | .3 | 1 | 0.074 | 0.001 | 0.001 | 0.010< |
| 80 06 16 | | | .3 | 1 | 0.032 | | | |
| 80 07 14 1340 | | | .3 | 1 | 0.046 | | | |
| 80 08 26 1730 | | | .3 | 1 | 0.068 | 0.001< | 0.001 | 0.01 < |
| 80 10 14 1145 | | | .3 | 1 | 0.018 | 0.011 | 0.001< | 0.010< |
| 80 11 17 | | | .3 | 1 | 0.047 | | | |
| 80 12 15 1125 | | | .3 | 1 | 0.007 | | | |
| MAXIMUM | | | | | 0.074 | 0.011 | 0.001 | 0.010 |
| ARITH MEAN | | | | | 0.036 | 0.004L | 0.001L | 0.01 L |
| GEOM MEAN | | | | | 0.028 | 0.002L | 0.001L | 0.01 L |
| MINIMUM | | | | | 0.006 | 0.001< | 0.001< | 0.010< |
| STD DEV | | | | | 0.022 | 0.006L | 0.000L | 0.00 L |
| NO OF SAMPLES | | | | | 11 | 4 | 4 | 4 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W / SITE: **MISSION RIVER**
SAMPLE POINT: **NEAR MOUTH**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **MISSION RIVER**

STATION ID: **01-0110-001-02**
STORET CODE: **02**
**801**
**7940**

LAT:
LONG:
U T M: **16 0334950.0 5358400.0 4**
REGION: **08**
DISTANCE: **0.322**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 14 1345 | | | .3 | 1 | 10005 | 4 | 26000 | 51000 | 4200 | 1400 | 0.5 | 11.9 | 10.0 | 0.064 |
| 80 02 12 0930 | | | .3 | 1 | 10019 | | 30000 | 7000 | 7200 | 84 | 0.5 | 12.6 | 13 | 0.027 |
| 80 03 10 1045 | | | .3 | 1 | 10033 | 4 | 18000 | 2000I | 17000 | 56 | 0.0 | 13.4 | 13.0 | 0.027 |
| 80 04 14 1330 | | | .3 | 1 | 10047 | | 32000 | 11000 | 10000 | | 1.5 | 12.0 | 6.6 | 0.051 |
| 80 05 06 1200 | | | .3 | 1 | 10075 | 0 9 | 30000I | 40000 | 38000 | | 14.0 | 4.8 | 12.0 | 0.064 |
| 80 06 16 | | | .3 | 1 | 10099 | | 59000 | 25000 | 28000 | | 19.0 | 4.0 | 20.0 | 0.085 |
| 80 07 14 | | | .3 | 1 | 10123 | | 17000 | 24000 | 5000I | | 20.0 | 0.0 | 7.5 | 0.074 |
| 80 08 26 1615 | | | .3 | 1 | 10147 | 0 9 | 73000 | 31000 | 41000 | | 21.0 | 1.0 | 7.0 | 0.054 |
| 80 09 22 1350 | | | .3 | 1 | 10171 | 0 9 | 4000I | 71000 | 3000I | | 11.0 | 8.2 | 3.8 | 0.066 |
| 80 10 14 1130 | | | .3 | 1 | 10195 | 0 9 | 3800 | 8400 | 1600 | | 9.0 | 4.4 | 16.0 | 0.072 |
| 80 11 17 | | | .3 | 1 | 10210 | 8 | 22000 | 9000I | 810 | | | | 7.0 | 0.042 |
| 80 12 15 1100 | | | .3 | 1 | 10225 | | 7400 | 2800 | 410 | | 0.0 | 5.0 | 12.0 | 0.085 |
| MAXIMUM | | | | | | | 73000 | 71000 | 41000 | 1400 | 21.0 | 13.4 | 20.0 | 0.085 |
| ARITH MEAN | | | | | | | 26850 | 23517 | 13018 | 513 | 8.8 | 7.0 | 10 | 0.059 |
| GEOM MEAN | | | | | | | 19166 | 14620 | 5902 | 187 | 4.0 | 5.2 | 9 | 0.056 |
| MINIMUM | | | | | | | 3800 | 2000 | 410 | 56 | 0.0 | 0.0 | 3.8 | 0.027 |
| STD DEV | | | | | | | 20979 | 21534 | 14682 | 768 | 8.7 | 4.8 | 4 | 0.020 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 3 | 11 | 11 | 12 | 12 |

| TEST-NAME: | | | | | PPO4FR | RST | RSP | COND25 | TURB | CLIDUR | ACDT | ALKT | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD |
| 80 01 14 1345 | | | .3 | 1 | 0.006 | 150.00 | 5.00 | 154.0 | 3.90 | 11.000 | | 41 | 7.20 | 7.5 |
| 80 02 12 0930 | | | .3 | 1 | 0.006 | 200 | 3 | 151 | 3.0 | 12 | | 34 | 7.2 | 7.7 |
| 80 03 10 1045 | | | .3 | 1 | 0.007 | 180.00 | 5.00 | 176.0 | 2.60 | 20.000 | | 33.0 | 7.00 | 7.0 |
| 80 04 14 1330 | | | .3 | 1 | 0.008 | 210.00 | 10.00 | 209.0 | 4.40 | 24.000 | | 42.0 | 7.10 | |
| 80 05 06 1200 | | | .3 | 1 | 0.010 | 220.00 | 15.00 | 200.0 | 11.00 | 19.000 | | 48.0 | 6.70 | 7.9 |
| 80 06 16 | | | .3 | 1 | 0.006 | 260.00 | 10.00 | 303.0 | 14.00 | 34.000 | | 52.0 | 6.70 | 7.2 |
| 80 07 14 | | | .3 | 1 | 0.007 | 270.00 | 10.00 | 275.0 | 4.30 | 34.000 | 14.000 | 47.0 | 6.70 | 7.5 |
| 80 08 26 1615 | | | .3 | 1 | 0.006 | 216.00 | 15.00 | 225.0 | 4.70 | 25.000 | | 36.0 | 7.60 | 6.7 |
| 80 09 22 1350 | | | .3 | 1 | 0.010 | 170 | 25 | 146 | 24 | 8.4 | | 39 | 7.2 | |
| 80 10 14 1130 | | | .3 | 1 | 0.011 | 240.00 | 150.00 | 225.0 | 9.80 | 15.000 | | 44.0 | 6.90 | 7.0 |
| 80 11 17 | | | .3 | 1 | 0.004 | 170.00 | 6.00 | 170.0 | 4.90 | 14.000 | | 38.0 | 7.30 | |
| 80 12 15 1100 | | | .3 | 1 | | 230.00 | 10.00 | 205.0 | 5.00 | 20.000 | | 44.0 | 6.90 | 7.2 |
| MAXIMUM | | | | | 0.011 | 270.00 | 150.00 | 303.0 | 24 | 34.000 | 14.000 | 52.0 | 7.60 | 7.9 |
| ARITH MEAN | | | | | 0.007 | 209 | 22 | 203 | 7 | 19 | 14.000 | 41 | 7.0 | 7.3 |
| GEOM MEAN | | | | | 0.007 | 206 | 11 | 198 | 6 | 18 | | 41 | 7.0 | 7.3 |
| MINIMUM | | | | | 0.004 | 150.00 | 3 | 146 | 2.60 | 8.4 | 14.000 | 33.0 | 6.70 | 6.7 |
| STD DEV | | | | | 0.002 | 37 | 40 | 49 | 6 | 8 | | 5 | 0.2 | 0.4 |
| NO OF SAMPLES | | | | | 11 | 12 | 12 | 12 | 12 | 12 | 1 | 12 | 12 | 9 |

| TEST-NAME: | | | | | PHNOL | FEUT | HARDT | COLAP | ASUT | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 01 14 1345 | | | .3 | 1 | | 0.30 | 44.000 | 70.000> | | 0.001 | 0.007 | | | 0.014 |
| 80 02 12 0930 | | | .3 | 1 | | | 33 | 70 > | | | | | | |
| 80 03 10 1045 | | | .3 | 1 | | 0.26 | 38.000 | 70 > | | | 0.005 | | | 0.011 |
| 80 04 14 1330 | | | .3 | 1 | | 0.780 | 51.000 | 70.000> | | | 0.002 | | | 0.006 |
| 80 05 06 1200 | | | .3 | 1 | | 1.100 | 53.000 | 70.000> | 0.003 | 0.009 | 0.006 | 0.002 | 0.001< | 0.008 |
| 80 06 16 | | | .3 | 1 | 62.000 | 0.310 | 58.000 | 155.000 | | | 0.001< | | | 0.001< |
| 80 07 14 | | | .3 | 1 | | 0.370 | 58.000 | 70.000> | | | 0.007 | | | 0.005 |
| 80 08 26 1615 | | | .3 | 1 | | 0.57 | 50.000 | 150.000 | 0.001< | 0.013 | 0.029 | 0.001< | 0.001< | 0.020 |
| 80 09 22 1350 | | | .3 | 1 | | | 60 | 269 | | 0.008 | 0.005 | | | 0.014 |
| 80 10 14 1130 | | | .3 | 1 | 29.000 | 1.800 | 48.000 | 215.000 | 0.001< | 0.016 | C.006 | 0.001< | 0.001 | 0.014 |
| 80 11 17 | | | .3 | 1 | | 0.650 | 46.000 | 140.000 | | | 0.005 | | | 0.008 |
| 80 12 15 1100 | | | .3 | 1 | | 0.075 | 51.000 | 154.000 | | | 0.002 | | | 0.007 |
| MAXIMUM | | | | | 62.000 | 1.800 | 60 | 269 > | 0.003 | 0.016 | 0.029 | 0.002 | 0.001 | 0.020 |
| ARITH MEAN | | | | | 46.500 | 0.62 | 49 | 125 G | 0.002L | 0.009 | 0.007L | 0.001L | 0.001L | 0.010L |
| GEOM MEAN | | | | | 42.403 | 0.46 | 48 | 110 G | 0.001L | 0.007 | 0.005L | 0.001L | 0.001L | 0.008L |
| MINIMUM | | | | | 29.000 | 0.075 | 33 | 70.000 | 0.001< | 0.001 | 0.001< | 0.001< | 0.001< | 0.001< |
| STD DEV | | | | | 23.336 | 0.51 | 8 | 87 G | 0.001L | 0.006 | 0.008L | 0.001L | 0.000L | 0.005L |
| NO OF SAMPLES | | | | | 2 | 10 | 12 | 12 | 3 | 5 | 11 | 3 | 3 | 11 |

| TEST-NAME: | | | | | MNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | ` CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 01 14 1345 | | | .3 | 1 | 0.032 | | | |
| 80 03 10 1045 | | | .3 | 1 | 0.044 | | | |
| 80 04 14 1330 | | | .3 | 1 | 0.060 | | | |
| 80 05 06 1200 | | | .3 | 1 | 0.073 | 0.001 | 0.001 | 0.010< |
| 80 06 16 | | | .3 | 1 | 0.007 | | | |
| 80 07 14 | | | .3 | 1 | 0.057 | | | |
| 80 08 26 1615 | | | .3 | 1 | 0.082 | 0.002 | 0.002 | 0.01 < |
| 80 10 14 1130 | | | .3 | 1 | 0.093 | 0.034 | 0.001< | 0.010< |
| 80 11 17 | | | .3 | 1 | 0.048 | | | |
| 80 12 15 1100 | | | .3 | 1 | 0.075 | | | |
| MAXIMUM | | | | | 0.093 | 0.034 | 0.002 | 0.010 |
| ARITH MEAN | | | | | 0.057 | 0.012 | 0.001L | 0.01 L |
| GEOM MEAN | | | | | 0.048 | 0.004 | 0.001L | 0.01 L |
| MINIMUM | | | | | 0.007 | 0.001 | 0.001< | 0.010< |
| STD DEV | | | | | 0.026 | 0.019 | 0.001L | 0.00 L |
| NO OF SAMPLES | | | | | 10 | 3 | 3 | 3 |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **POTTAWATOMI RIVER**
SAMPLE POINT: **AT 14TH STREET BRIDGE OWEN SOUND**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **POTTAWATOMI RIVER**

STATION ID: **03-0015-002-02**
STORET CODE: **02**
**002**
**2040**

LAT: LONG: U T M: **17 0503200.0 4935400.0 4** REGION: **01** DISTANCE: **1.800**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 02 05 1530 | | | .3 | 1 | 30309 | 4 | 760 | 1430 | 12 | 4< | 4< | 0.0 | 15.1 | 0.7 |
| 80 03 03 1610 | | | .3 | 1 | 30323 | 4 | 560 | 1700 | 148 | 12 | 4< | 0.2 | 16.4 | 0.9 |
| 80 04 09 0900 | | | .3 | 1 | 30339 | 6 | | | | | | 9.8 | 11.4 | 0.7 |
| 80 05 06 1600 | | | .3 | 1 | 30355 | 6 | 100C | 4500 | 12 | 4 | 4< | 17.0 | 10.2 | 0.5 |
| 80 06 02 1630 | | | .3 | 1 | 30371 | 6 | 720C | 2510 | 60 | 36 | 4< | 13.9 | 9.3 | 1.1 |
| 80 07 08 1700 | | | .3 | 1 | 30387 | 6 | 2900 | 12900 | 348 | 212 | 8< | 22.7 | 7.7 | 0.4 |
| 80 08 05 1810 | | | .3 | 1 | 30403 | 3 | 19000> | 80000 | 1500> | 1500> | 102 | 19.8 | 8.2 | 2.1 |
| 80 09 03 1615 | | | .3 | 1 | 30417 | 3 6 | 4700 | 9600 | 260 | 3500 | 8 | 20.0 | 10.0 | 0.9 |
| 80 10 07 1520 | | | .3 | 1 | 30433 | 3 6 | 2200 | 4600 | 60I | 140 | 4< | 10.5 | 11.8 | 0.5 |
| 80 11 03 1545 | | | .3 | 1 | 30449 | 6 | 5300 | 13900 | 20 | 32 | 4< | 7.0 | 12.7 | 0.8 |
| 80 12 01 1630 | | | .3 | 1 | 30465 | 6 | 680 | 2070 | 32 | 100 | 4< | 1.6 | 15.2 | 0.2 |
| MAXIMUM | | | | | | | 19000> | 80000 | 1500> | 3500> | 102 | 22.7 | 16.4 | 2.1 |
| ARITH MEAN | | | | | | | 3692G | 13321 | 245G | 554B | 15L | 11.1 | 11.6 | 0.8 |
| GEOM MEAN | | | | | | | 1513G | 5697 | 76G | 71B | 6L | 6.2 | 11.3 | 0.7 |
| MINIMUM | | | | | | | 100 | 1430 | 12 | 4< | 4< | 0.0 | 7.7 | 0.2 |
| STD DEV | | | | | | | 5676G | 23884 | 456G | 1131B | 31L | 8.3 | 2.9 | 0.5 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 10 | 11 | 11 | 11 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 02 05 1530 | | | .3 | 1 | 0.010 | 0.003 | 0.015 | 0.490 | 0.004 | 1.400 | 1.419 | 0.475 | 1.894 | 310.00 |
| 80 03 03 1610 | | | .3 | 1 | 0.011 | 0.002 | 0.010 | 0.510 | 0.005 | 1.400 | 1.415 | 0.500 | 1.915 | 350.00 |
| 80 04 09 0900 | | | .3 | 1 | 0.037 | 0.003 | 0.010 | 0.600 | 0.004 | 0.460 | 0.474 | 0.590 | 1.064 | 248.00 |
| 80 05 06 1600 | | | .3 | 1 | 0.038 | 0.008 | 0.055 | 0.610 | 0.005 | 0.700 | 0.760 | 0.555 | 1.315 | 308.00 |
| 80 06 02 1630 | | | .3 | 1 | 0.015 | 0.002 | 0.010 | 0.620 | 0.006 | 0.940 | 0.956 | 0.610 | 1.566 | 298.00 |
| 80 07 08 1700 | | | .3 | 1 | 0.040 | 0.005 | 0.035 | 0.570 | 0.007 | 0.870 | 0.912 | 0.535 | 1.447 | 355.00 |
| 80 08 05 1810 | | | .3 | 1 | 0.362 | 0.046 | 0.030 | 1.56 | 0.020 | 0.70 | 0.750 | 1.530 | 2.280 | 503.4 |
| 80 09 03 1615 | | | .3 | 1 | 0.064 | 0.015 | 0.005 | 0.940 | 0.006 | 0.670 | 0.681 | 0.935 | 1.616 | 354.40 |
| 80 10 07 1520 | | | .3 | 1 | 0.028 | 0.006 | 0.005 | 0.800 | 0.003 | 0.720 | 0.728 | 0.795 | 1.523 | 352.00 |
| 80 11 03 1545 | | | .3 | 1 | 0.013 | 0.001 | 0.005 | 0.580 | 0.003 | 0.820 | 0.828 | 0.575 | 1.403 | 347.30 |
| 80 12 01 1630 | | | .3 | 1 | 0.032 | 0.008 | 0.005< | 0.60 | 0.002 | 0.80 | 0.807 | 0.595 | 1.402 | 349.1 |
| MAXIMUM | | | | | 0.362 | 0.046 | 0.055 | 1.56 | 0.020 | 1.400 | 1.419 | 1.530 | 2.280 | 503.4 |
| ARITH MEAN | | | | | 0.059 | 0.009 | 0.017L | 0.71 | 0.006 | 0.86 | 0.885 | 0.700 | 1.584 | 343.2 |
| GEOM MEAN | | | | | 0.031 | 0.005 | 0.012L | 0.67 | 0.005 | 0.82 | 0.845 | 0.667 | 1.553 | 338.4 |
| MINIMUM | | | | | 0.010 | 0.001 | 0.005< | 0.490 | 0.002 | 0.460 | 0.474 | 0.475 | 1.064 | 248.00 |
| STD DEV | | | | | 0.102 | 0.013 | 0.016L | 0.30 | 0.005 | 0.29 | 0.292 | 0.306 | 0.335 | 62.8 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | SIO3UR | ACDT | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | SILICATE UNF.REAC MG/L AS SI | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH |
| 80 02 05 1530 | | | .3 | 1 | 7.50 | 302.00 | 530.0 | 2.50 | 13.500 | 16.000 | 2.440 | 6.000 | 256.0 | 8.11 |
| 80 03 03 1610 | | | .3 | 1 | 3.00 | 347.00 | 545.0 | 2.20 | 14.000 | 16.000 | 2.300 | 0.000 | 259.0 | 8.30 |
| 80 04 09 0900 | | | .3 | 1 | 20.00 | 243.000 | 374.0 | 7.10 | 9.000 | 8.500 | 0.640 | 20.300 | 181.0 | 8.18 |
| 80 05 06 1600 | | | .3 | 1 | 5.50 | 302.50 | 462.0 | 16.00 | 13.500 | 9.500 | 0.920 | 0.000 | 239.0 | 8.63 |
| 80 06 02 1630 | | | .3 | 1 | 8.00 | 290.00 | 510.0 | 1.50 | 15.500 | 12.500 | 1.460 | 0.000 | 256.0 | 8.67 |
| 80 07 08 1700 | | | .3 | 1 | 7.40 | 348.00 | 520.0 | 6.50 | 28.000 | 16.000 | 1.620 | 0.000 | 230.0 | 8.45 |
| 80 08 05 1810 | | | .3 | 1 | 213.7 | 289.7 | 420 | 120.00 | 14.5 | 11.5 | 2.74 | 11.8 | 220 | 8.02 |
| 80 09 03 1615 | | | .3 | 1 | 14.10 | 340.30 | 520.0 | 6.80 | 15.500 | 12.000 | 4.200 | 9.600 | 254.0 | 7.86 |
| 80 10 07 1520 | | | .3 | 1 | 9.20 | 342.80 | 535.0 | 4.00 | 10.500 | 11.500 | | 0.000 | 273.0 | 8.42 |
| 80 11 03 1545 | | | .3 | 1 | 1.90 | 345.40 | 555.0 | 1.20 | 13.000 | 11.000 | 2.340 | | 285.0 | 8.35 |
| 80 12 01 1630 | | | .3 | 1 | 14.1 | 335.0 | 540 | 9.0 | 15.5 | 10.0 | 1.50 | | 269 | 8.31 |
| MAXIMUM | | | | | 213.7 | 348.00 | 555.0 | 120.00 | 28.000 | 16.000 | 4.200 | 20.300 | 285.0 | 8.67 |
| ARITH MEAN | | | | | 27.6 | 316.8 | 501 | 16.0 | 14.7 | 12.2 | 2.01 | 5.3 | 247 | 8.30 |
| GEOM MEAN | | | | | 10.0 | 315.0 | 497 | 5.7 | 14.2 | 11.9 | 1.77 | 2.8 | 246 | 8.30 |
| MINIMUM | | | | | 1.90 | 243.000 | 374.0 | 1.20 | 9.000 | 8.500 | 0.640 | 0.000 | 181.0 | 7.86 |
| STD DEV | | | | | 61.9 | 34.0 | 57 | 34.7 | 4.8 | 2.6 | 1.02 | 7.3 | 29 | 0.25 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 10 | 9 | 11 | 11 |

| TEST-NAME: | | | | | FWPH | PHNOL | FEUT | HARDT | CAUR | MGUR | COLAP | KKUR | NAUR | COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O |
| 80 02 05 1530 | | | .3 | 1 | 7.9 | 1.000< | 0.220 | 284.000 | 74.500 | 23.800 | 30.000 | 1.95 | 10.200 | |
| 80 03 03 1610 | | | .3 | 1 | 8.0 | 1.000< | 0.230 | 293.000 | 77.500 | 24.200 | 24.000 | 1.35 | 6.600 | |
| 80 04 09 0900 | | | .3 | 1 | 7.6 | 1.000< | 0.660 | 195.000 | 52.500 | 15.400 | 62.000 | 1.30 | 4.200 | |
| 80 05 06 1600 | | | .3 | 1 | 7.8 | 1.000< | 0.250 | | 66.000 | 21.600 | 60.000 | 1.25 | 6.900 | |
| 80 06 02 1630 | | | .3 | 1 | | 1.000< | 0.240 | 277.000 | 72.000 | 23.600 | 48.000 | 1.30 | 7.300 | 22 |
| 80 07 08 1700 | | | .3 | 1 | 8.6 | 1.000< | 0.430 | 254.000 | 64.500 | 22.600 | 37.000 | 1.70 | 13.500 | 12 |
| 80 08 05 1810 | | | .3 | 1 | 8.1 | 1.0 < | 7.60 | 213 | 57.5 | 16.8 | 138 | 0.55 | 11.0 | 50 |
| 80 09 03 1615 | | | .3 | 1 | | 1.000< | 0.650 | 274.000 | 73.000 | 22.200 | 91.000 | 3.10 | 9.600 | 24 |
| 80 10 07 1520 | | | .3 | 1 | 7.7 | 1.000< | 0.420 | 293.000 | 78.000 | 23.800 | 71.000 | 2.45 | 6.000 | 296 |
| 80 11 03 1545 | | | .3 | 1 | 8.2 | 1.000< | 0.290 | 305.000 | 80.500 | 25.200 | 58.000 | 1.95 | 6.500 | 25 |
| 80 12 01 1630 | | | .3 | 1 | 8.3 | 1.0 < | 0.83 | 295 | 78.5 | 24.0 | 51 | 1.80 | 7.3 | 24 |
| MAXIMUM | | | | | 8.6 | 1.000 | 7.60 | 305.000 | 80.500 | 25.200 | 138 | 3.10 | 13.500 | 296 |
| ARITH MEAN | | | | | 8.0 | 1.0 L | 1.07 | 268 | 70.4 | 22.1 | 80 | 1.70 | 8.1 | 66 |
| GEOM MEAN | | | | | 8.0 | 1.0 L | 0.49 | 265 | 69.8 | 21.8 | 54 | 1.67 | 7.7 | 34 |
| MINIMUM | | | | | 7.6 | 1.000< | 0.220 | 195.000 | 52.500 | 15.400 | 24.000 | 0.55 | 4.200 | 12 |
| STD DEV | | | | | 0.3 | 0.0 L | 2.17 | 36 | 9.1 | 3.1 | 31 | 0.68 | 2.8 | 103 |
| NO OF SAMPLES | | | | | 9 | 11 | 11 | 10 | 11 | 11 | 11 | 11 | 11 | 7 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **SYDENHAM RIVER**
SAMPLE POINT: **AT CONCESSION 10 ABOVE INGLIS FALLS**
STATION TYPE: **RIVER FLOW GAUGE FED 02FB007**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SYDENHAM RIVER**

STATION ID: **03-0016-003-02**

STORET CODE: **02**
**002**
**2050**

LAT:
LONG:
U T M: **17 0505450.0 4929700.0 4**
REGION: **01**
DISTANCE: **7.403**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 02 05 1630 | | | .3 | 1 | 30311 | 6 | 1.980 | 44 | 380 | 4< | 8 | | 0.2 | 12.0 |
| 80 03 03 1505 | | | .3 | 1 | 30321 | 6 | 1.430 | 28 | 276 | 4< | 4< | 4< | 0.8 | 13.0 |
| 80 04 08 1530 | | | .3 | 1 | 30337 | 3 | 9.080 | 90I | 1590 | 4< | 4 | 4< | 12.0 | 11.4 |
| 80 05 06 1540 | | | .3 | 1 | 30354 | 6 | 2.590 | 310C | 6000 | 12 | 4 | 4< | 16.5 | 10.2 |
| 80 06 02 1600 | | | .3 | 1 | 30370 | 6 | 2.560 | 1360C | 5000 | 260 | 28 | 4< | 13.2 | 7.2 |
| 80 07 08 1620 | | | .3 | 1 | 30386 | 6 | 1.120 | 660C | 2500 | 240 | 20 | 4< | 21.0 | 9.5 |
| 80 08 05 1730 | | | .3 | 1 | 30402 | 3 | 2.900 | | | 340 | 600> | 4< | 21.2 | 8.2 |
| 80 09 04 0905 | | | .3 | 1 | 30418 | 3 | 2.570 | | | | | | 22.0 | 8.6 |
| 80 10 08 0845 | | | .3 | 1 | 30434 | 6 | 3.320 | 1500 | 10100 | 108 | 68 | 4< | 8.5 | 9.0 |
| 80 11 04 0900 | | | .3 | 1 | 30450 | 6 3 | 2.450 | 150 | 1690 | 10I | 12 | 4< | 7.3 | 13.0 |
| 80 12 02 0915 | | | .3 | 1 | 30466 | 6 | 2.870 | 150 | 950 | 28 | 68 | 4< | 1.1 | 13.1 |
| MAXIMUM | | | | | | | 9.080 | 1500 | 10100 | 340 | 600> | 4 | 22.0 | 13.1 |
| ARITH MEAN | | | | | | | 2.988 | 477 | 3165 | 101L | 828 | 4L | 11.3 | 10.5 |
| GEOM MEAN | | | | | | | 2.577 | 216 | 1804 | 29L | 208 | 4L | 5.9 | 10.3 |
| MINIMUM | | | | | | | 1.120 | 28 | 276 | 4< | 4< | 4< | 0.2 | 7.2 |
| STD DEV | | | | | | | 2.121 | 574 | 3271 | 130L | 1848 | 0L | 8.4 | 2.1 |
| NO OF SAMPLES | | | | | | | 11 | 9 | 9 | 10 | 10 | 9 | 11 | 11 |

| TEST-NAME: | | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 02 05 1630 | | | .3 | 1 | 0.7 | 0.004 | 0.002 | 0.025 | 0.260 | 0.004 | 1.090 | 1.119 | 0.235 | 1.354 |
| 80 03 03 1505 | | | .3 | 1 | 0.9 | 0.015 | 0.011 | 0.040 | 0.290 | 0.006 | 1.170 | 1.216 | 0.250 | 1.466 |
| 80 04 08 1530 | | | .3 | 1 | 0.3 | 0.006 | 0.001 | 0.005 | 0.260 | 0.002 | 0.270 | 0.277 | 0.255 | 0.532 |
| 80 05 06 1540 | | | .3 | 1 | 0.6 | 0.040 | 0.004 | 0.035 | 0.410 | 0.006 | 0.560 | 0.601 | 0.375 | 0.976 |
| 80 06 02 1600 | | | .3 | 1 | 0.8 | 0.020 | 0.005 | 0.020 | 0.480 | 0.006 | 0.460 | 0.486 | 0.460 | 0.946 |
| 80 07 08 1620 | | | .3 | 1 | 0.2 | 0.019 | 0.003 | 0.025 | 0.340 | 0.005 | 0.510 | 0.540 | 0.315 | 0.855 |
| 80 08 05 1730 | | | .3 | 1 | 0.6 | 0.026 | 0.012 | 0.045 | 0.49 | 0.007 | 0.32 | 0.372 | 0.445 | 0.817 |
| 80 10 08 0845 | | | .3 | 1 | 0.5 | 0.014 | 0.003 | 0.005 | 0.440 | 0.002 | 0.280 | 0.287 | 0.435 | 0.722 |
| 80 11 04 0900 | | | .3 | 1 | 0.4 | 0.011 | 0.002 | 0.010 | 0.360 | 0.003 | 0.790 | 0.803 | 0.350 | 1.153 |
| 80 12 02 0915 | | | .3 | 1 | 0.1 | 0.011 | 0.002 | 0.005 | 0.31 | 0.002 | 0.58 | 0.587 | 0.305 | 0.892 |
| MAXIMUM | | | | | 0.9 | 0.040 | 0.012 | 0.045 | 0.49 | 0.007 | 1.170 | 1.216 | 0.460 | 1.466 |
| ARITH MEAN | | | | | 0.5 | 0.017 | 0.004 | 0.021 | 0.36 | 0.004 | 0.60 | 0.629 | 0.342 | 0.971 |
| GEOM MEAN | | | | | 0.4 | 0.014 | 0.003 | 0.016 | 0.35 | 0.004 | 0.53 | 0.559 | 0.333 | 0.934 |
| MINIMUM | | | | | 0.1 | 0.004 | 0.001 | 0.005 | 0.260 | 0.002 | 0.270 | 0.277 | 0.235 | 0.532 |
| STD DEV | | | | | 0.3 | 0.011 | 0.004 | 0.015 | 0.08 | 0.002 | 0.32 | 0.325 | 0.084 | 0.284 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | SIO3UR | ACDT | ALKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | SILICATE UNF.REAC MG/L AS SI | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 |
| 80 02 05 1630 | | | .3 | 1 | 284.00 | 5.00 | 279.00 | 510.0 | 1.00 | 9.500 | 14.000 | 2.600 | 18.000 | 255.0 |
| 80 03 03 1505 | | | .3 | 1 | 352.00 | 0.50 | 351.00 | 535.0 | 1.30 | 9.000 | 14.000 | 2.660 | 32.300 | 265.0 |
| 80 04 08 1530 | | | .3 | 1 | 232.00 | 2.50 | 229.50 | 401.0 | 0.80 | 6.500 | 10.000 | 0.320 | 13.900 | 200.0 |
| 80 05 06 1540 | | | .3 | 1 | 294.00 | 3.50 | 290.50 | 488.0 | 3.50 | 8.500 | 9.000 | 1.240 | 4.000 | 247.0 |
| 80 06 02 1600 | | | .3 | 1 | 286.00 | 3.00 | 283.00 | 474.0 | 2.20 | 8.000 | 9.000 | 2.540 | 10.900 | 240.0 |
| 80 07 08 1620 | | | .3 | 1 | 310.00 | 3.60 | 306.00 | 480.0 | 1.80 | 9.000 | 12.000 | 1.600 | 6.900 | 249.0 |
| 80 08 05 1730 | | | .3 | 1 | 306.0 | 2.9 | 303.1 | 492 | 1.9 | 7.5 | 7.0 | 3.38 | 9.8 | 256 |
| 80 10 08 0845 | | | .3 | 1 | 300.40 | 3.00 | 297.40 | 497.0 | 1.20 | 7.000 | 9.000 | | 8.700 | 255.0 |
| 80 11 04 0900 | | | .3 | 1 | 286.60 | 2.70 | 283.90 | 515.0 | 2.20 | 8.500 | 10.000 | 2.140 | 1.900 | 264.0 |
| 80 12 02 0915 | | | .3 | 1 | 297.0 | 2.9 | 294.1 | 500 | 1.5 | 9.5 | 9.0 | 1.24 | 11.6 | 256 |
| MAXIMUM | | | | | 352.00 | 5.00 | 351.00 | 535.0 | 3.50 | 9.500 | 14.000 | 3.38 | 32.300 | 265.0 |
| ARITH MEAN | | | | | 294.8 | 2.9 | 291.7 | 489 | 1.7 | 8.3 | 10.3 | 1.98 | 11.8 | 248 |
| GEOM MEAN | | | | | 293.4 | 2.8 | 290.3 | 487 | 1.6 | 8.2 | 10.0 | 1.66 | 9.2 | 248 |
| MINIMUM | | | | | 232.00 | 0.50 | 229.50 | 401.0 | 0.80 | 6.500 | 7.0 | 0.320 | 1.900 | 200.0 |
| STD DEV | | | | | 29.5 | 1.1 | 29.9 | 35 | 0.7 | 1.0 | 2.3 | 0.94 | 8.5 | 18 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 10 | 10 |

| TEST-NAME: | | | | | PH | FWPH | PHNOL | FEUT | HARDT | CAUR | MGUR | COLAP | KKUR | NAUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA |
| 80 02 05 1630 | | | .3 | 1 | 7.83 | 7.4 | 1.000< | 0.050 | 273.000 | 66.000 | 26.200 | 9.000 | 2.35 | 10.500 |
| 80 03 03 1505 | | | .3 | 1 | 7.95 | 7.5 | 1.000< | 0.110 | 291.000 | 71.000 | 27.600 | 13.000 | 0.80 | 4.400 |
| 80 04 08 1530 | | | .3 | 1 | 8.25 | 8.0 | 1.000< | 0.080 | 210.000 | 53.000 | 18.800 | 25.000 | 0.75 | 3.300 |
| 80 05 06 1540 | | | .3 | 1 | 8.16 | 8.0 | 1.000< | 0.260 | | 64.000 | 24.600 | 35.000 | 0.90 | 4.600 |
| 80 06 02 1600 | | | .3 | 1 | 8.13 | | 1.000< | 0.350 | 256.000 | 64.000 | 23.400 | 37.000 | 0.65 | 4.100 |
| 80 07 08 1620 | | | .3 | 1 | 8.25 | 8.5 | 1.000< | 0.170 | 264.000 | 62.500 | 26.200 | 23.000 | 0.70 | 4.400 |
| 80 08 05 1730 | | | .3 | 1 | 7.94 | 7.8 | 1.0 < | 0.21 | 269 | 66.0 | 25.2 | 45 | 4.30 | 8.5 |
| 80 10 08 0845 | | | .3 | 1 | 7.93 | 7.9 | 1.000< | 0.160 | 267.000 | 68.000 | 23.600 | 42.000 | 1.80 | 4.200 |
| 80 11 04 0900 | | | .3 | 1 | 8.12 | 7.6 | 1.000< | 2.210 | 279.000 | 68.500 | 26.200 | 32.000 | 1.35 | 4.400 |
| 80 12 02 0915 | | | .3 | 1 | 8.06 | | 1.0 < | 0.11 | 274 | 67.5 | 25.6 | 22 | 1.00 | 4.2 |
| MAXIMUM | | | | | 8.25 | 8.5 | 1.000 | 2.210 | 291.000 | 71.000 | 27.600 | 45 | 4.30 | 10.500 |
| ARITH MEAN | | | | | 8.06 | 7.8 | 1.0 L | 0.37 | 264 | 65.0 | 24.7 | 28 | 1.46 | 5.2 |
| GEOM MEAN | | | | | 8.06 | 7.8 | 1.0 L | 0.18 | 263 | 64.8 | 24.6 | 25 | 1.20 | 4.9 |
| MINIMUM | | | | | 7.93 | 7.4 | 1.000< | 0.050 | 210.000 | 53.000 | 18.800 | 9.000 | 0.65 | 3.300 |
| STD DEV | | | | | 0.14 | 0.4 | 0.0 L | 0.65 | 22 | 4.9 | 2.4 | 11 | 1.14 | 2.3 |
| NO OF SAMPLES | | | | | 10 | 8 | 10 | 10 | 9 | 10 | 10 | 10 | 10 | 10 |

(CONTD)

STATION ID: **03-0016-003-02**

B.O.W./ SITE: **SYDENHAM RIVER**
SAMPLE POINT: **AT CONCESSION 10 ABOVE INGLIS FALLS**
STATION TYPE: **RIVER FLOW GAUGE FED 02FB007**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SYDENHAM RIVER**

STORET CODE: **02**
**002**
**2050**

LAT: LONG: U T M: **17 0505450.0 4929700.0 4** REGION: **01** DISTANCE: **7.483**

| TEST-NAME: | | | | | COD | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHEM. OX DEMAND MG/L AS O | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 02 05 1630 | | | .3 | 1 | | 0.010< | 0.030< | 0.020 | 0.020< |
| 80 03 03 1505 | | | .3 | 1 | | 0.010< | 0.030< | 0.010< | 0.020< |
| 80 04 08 1530 | | | .3 | 1 | | 0.010< | 0.030< | 0.010< | 0.020< |
| 80 05 06 1540 | | | .3 | 1 | | 0.010< | | 0.010< | 0.090 |
| 80 06 02 1600 | | | .3 | 1 | 17 | 0.010< | 0.030< | 0.010< | 0.010< |
| 80 07 08 1620 | | | .3 | 1 | 98 | 0.010< | 0.010< | 0.010< | 0.010< |
| 80 08 05 1730 | | | .3 | 1 | 18 | 0.01 < | 0.01 < | 0.001< | 0.01 < |
| 80 09 04 0905 | | | .3 | 1 | | 0.010< | 0.010< | 0.001 | 0.010< |
| 80 10 08 0845 | | | .3 | 1 | | 0.005< | 0.005< | 0.030< | 0.025< |
| 80 11 04 0900 | | | .3 | 1 | 10 | 0.008 | 0.007 | 0.03 | 0.025< |
| 80 12 02 0915 | | | .3 | 1 | 8 | 0.005< | 0.005< | 0.030< | 0.025< |
| MAXIMUM | | | | | 98 | 0.010 | 0.030 | 0.030 | 0.090 |
| ARITH MEAN | | | | | 30 | 0.00 L | 0.01 L | 0.01 L | 0.02 L |
| GEOM MEAN | | | | | 19 | 0.00 L | 0.01 L | 0.00 L | 0.01 L |
| MINIMUM | | | | | 8 | 0.005< | 0.005< | 0.001< | 0.010< |
| STD DEV | | | | | 38 | 0.00 L | 0.01 L | 0.01 L | 0.02 L |
| NO OF SAMPLES | | | | | 5 | 11 | 10 | 11 | 11 |

STATION ID: **03-0017-002-02**

B.O.W./ SITE: **TELFER CREEK**
SAMPLE POINT: **AT THOMPSON MEMORIAL FOOTBRIDGE LEITH**
STATION TYPE: **RIVER FLOW GAUGE MOE 02FB101**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **TELFER CREEK**

STORET CODE: **02**
**002**
**2080**

LAT: LONG: U T M: **17 0509900.0 4940875.0 4** REGION: **01** DISTANCE: **0.483**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 02 05 1555 | | | .3 | 1 | 30310 | 4 | 270 | 500 | 20 | 24 | 4< | 1.0 | 13.8 | 0.3 |
| 80 03 03 1525 | | | .3 | 1 | 30322 | 4 | 400 | 600 | 76 | 532 | 4< | 0.8 | 14.6 | 0.5 |
| 80 04 08 1610 | | | .3 | 1 | 30338 | 3 | 590 | 2000 | 44 | 124 | 4< | 12.0 | 11.6 | 0.5 |
| 80 05 07 1005 | | | .3 | 1 | 30356 | 6 | 1900 | 25000 | 256 | 144 | 4< | 9.5 | 13.0 | 0.7 |
| 80 06 03 0830 | | | .3 | 1 | 30372 | 6 | 600 | 1790 | 452 | 136 | 4< | 13.2 | 11.6 | 1.0 |
| 80 07 09 0840 | | | .3 | 1 | 30388 | 6 | 3200 | 7800 | 600> | 312 | 4 | 18.3 | 7.7 | 0.1< |
| 80 08 06 0900 | | | .3 | 1 | 30404 | 3 | 16000> | 60000 | 1500> | 1500> | 240 | 18.0 | 7.7 | 1.1 |
| 80 09 04 0935 | | | .3 | 1 | 30419 | 3 | 14000 | 15000 | 3100 | 1000 | 4 | 17.5 | 9.0 | 0.5 |
| 80 10 08 1000 | | | .3 | 1 | 30435 | 6 | 3000 | 7200 | 900I | 800 | 4< | 9.0 | 10.2 | 1.0 |
| 80 11 04 0945 | | | .3 | 1 | 30451 | 6 3 | 2900 | 13400 | 380 | 990 | 4< | 8.0 | 13.8 | 1.0 |
| 80 12 17 0910 | | | .3 | 1 | 30467 | 6 | 330 | 1440 | 60I | 210 | 4< | 0.0 | 12.6 | 1.9 |
| MAXIMUM | | | | | | | 16000> | 60000 | 3100> | 1500> | 240 | 18.3 | 14.6 | 1.9 |
| ARITH MEAN | | | | | | | 3926G | 12248 | 672G | 526G | 25L | 9.8 | 11.4 | 0.8L |
| GEOM MEAN | | | | | | | 1576G | 4725 | 264G | 309G | 6L | 6.2 | 11.2 | 0.8L |
| MINIMUM | | | | | | | 270 | 500 | 20 | 24 | 4< | 0.0 | 7.7 | 0.1< |
| STD DEV | | | | | | | 5610G | 17612 | 922G | 482G | 71L | 6.9 | 2.5 | 0.5L |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 02 05 1555 | | | .3 | 1 | 0.009 | 0.003 | 0.010 | 0.210 | 0.002 | 1.110 | 1.122 | 0.200 | 1.322 | 314.00 |
| 80 03 03 1525 | | | .3 | 1 | 0.010 | 0.002 | 0.040 | 0.260 | 0.004 | 1.100 | 1.144 | 0.220 | 1.364 | 376.00 |
| 80 04 08 1610 | | | .3 | 1 | 0.019 | 0.002 | 0.010 | 0.240 | 0.004 | 0.820 | 0.834 | 0.230 | 1.064 | 254.00 |
| 80 05 07 1005 | | | .3 | 1 | 0.023 | 0.003 | 0.025 | 0.310 | 0.007 | 0.670 | 0.702 | 0.285 | 0.987 | 296.00 |
| 80 06 03 0830 | | | .3 | 1 | 0.014 | 0.004 | 0.020 | 0.330 | 0.006 | 0.460 | 0.486 | 0.310 | 0.796 | 262.00 |
| 80 07 09 0840 | | | .3 | 1 | 0.027 | 0.003 | 0.035 | 0.400 | 0.010 | 0.500 | 0.545 | 0.365 | 0.910 | 308.00 |
| 80 08 06 0900 | | | .3 | 1 | 0.083 | 0.018 | 0.025 | 0.68 | 0.006 | 0.48 | 0.511 | 0.655 | 1.166 | 289.0 |
| 80 09 04 0935 | | | .3 | 1 | 0.042 | 0.008 | 0.010 | 0.470 | 0.003 | 0.500 | 0.513 | 0.460 | 0.973 | 341.00 |
| 80 10 08 1000 | | | .3 | 1 | 0.018 | 0.006 | 0.005 | 0.340 | 0.003 | 0.900 | 0.908 | 0.335 | 1.243 | 349.70 |
| 80 11 04 0945 | | | .3 | 1 | 0.037 | 0.006 | 0.005 | 0.370 | 0.004 | 0.630 | 0.639 | 0.365 | 1.004 | 341.2 |
| 80 12 17 0910 | | | .3 | 1 | 0.024 | 0.007 | 0.010 | 0.290 | 0.003 | 1.230 | 1.243 | 0.280 | 1.523 | 317.20 |
| MAXIMUM | | | | | 0.083 | 0.018 | 0.040 | 0.68 | 0.010 | 1.230 | 1.243 | 0.655 | 1.523 | 376.00 |
| ARITH MEAN | | | | | 0.028 | 0.006 | 0.018 | 0.35 | 0.005 | 0.76 | 0.786 | 0.337 | 1.123 | 313.4 |
| GEOM MEAN | | | | | 0.023 | 0.005 | 0.014 | 0.33 | 0.004 | 0.71 | 0.742 | 0.318 | 1.104 | 311.4 |
| MINIMUM | | | | | 0.009 | 0.002 | 0.005 | 0.210 | 0.002 | 0.460 | 0.486 | 0.200 | 0.796 | 254.00 |
| STD DEV | | | | | 0.021 | 0.005 | 0.012 | 0.13 | 0.002 | 0.28 | 0.282 | 0.130 | 0.220 | 37.2 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | SIO3UR | ACDT | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | SILICATE UNF.REAC MG/L AS SI | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH |
| 80 02 05 1555 | | | .3 | 1 | 8.00 | 306.00 | 540.0 | 2.80 | 9.500 | 17.000 | 1.780 | 6.000 | 270.0 | 8.12 |
| 80 03 03 1525 | | | .3 | 1 | 1.50 | 374.00 | 555.0 | 1.60 | 11.000 | 16.500 | 1.800 | 22.200 | 269.0 | 8.15 |
| 80 04 08 1610 | | | .3 | 1 | 6.00 | 248.00 | 443.0 | 2.90 | 10.500 | 13.500 | 0.700 | 0.000 | 217.0 | 8.47 |
| 80 05 07 1005 | | | .3 | 1 | 9.00 | 287.00 | 475.0 | 1.00 | 9.500 | 12.000 | 0.700 | 0.000 | 241.0 | 8.34 |
| 80 06 03 0830 | | | .3 | 1 | 8.00 | 254.00 | 486.0 | 1.60 | 10.500 | 12.500 | 0.980 | 0.000 | 246.0 | 8.39 |
| 80 07 09 0840 | | | .3 | 1 | 6.20 | 302.00 | 460.0 | 5.00 | 13.500 | 13.500 | 1.580 | 5.900 | 224.0 | 8.26 |
| 80 08 06 0900 | | | .3 | 1 | 35.8 | 253.2 | 458 | 17 | 10.5 | 11.5 | 2.60 | 5.9 | 229 | 8.08 |
| 80 09 04 0935 | | | .3 | 1 | 17.60 | 323.40 | 520.0 | 9.80 | 13.500 | 9.500 | 2.700 | 10.600 | 276.0 | 8.23 |
| 80 10 08 1000 | | | .3 | 1 | 11.40 | 338.30 | 580.0 | 4.30 | 9.500 | 10.500 | | 0.000 | 300.0 | 8.33 |
| 80 11 04 0945 | | | .3 | 1 | 20.8 | 320.4 | 575.0 | 12.00 | 13.000 | | | | | 8.19 |
| 80 12 17 0910 | | | .3 | 1 | 28.10 | 289.10 | 570.0 | 5.50 | 10.000 | 15.000 | | 11.600 | 295.0 | 8.17 |
| MAXIMUM | | | | | 35.8 | 374.00 | 580.0 | 17 | 13.500 | 17.000 | 2.700 | 22.200 | 300.0 | 8.47 |
| ARITH MEAN | | | | | 13.8 | 299.5 | 514 | 5 | 11.0 | 13.1 | 1.80 | 6.2 | 266 | 8.25 |
| GEOM MEAN | | | | | 10.2 | 297.2 | 512 | 4 | 10.9 | 12.9 | 1.42 | 3.7 | 266 | 8.25 |
| MINIMUM | | | | | 1.50 | 248.00 | 443.0 | 1.00 | 9.500 | 9.500 | 0.700 | 0.000 | 217.0 | 8.08 |
| STD DEV | | | | | 10.5 | 39.0 | 52 | 6 | 1.6 | 2.4 | 0.78 | 7.1 | 29 | 0.12 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 10 | 8 | 10 | 10 | 11 |

(CONTD)

| TEST-NAME: | | | | FWPH | PHNOL | FEUT | HARDT | CAUR | MGUR | COLAP | KKUR | NAUR | COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O |
| 80 02 05 1555 | | .3 | 1 | 7.8 | | 0.200 | 267.000 | 64.000 | 26.000 | 7.000 | 2.00 | 10.300 | |
| 80 03 03 1525 | | .3 | 1 | 7.8 | 1.000< | 0.120 | 295.000 | 75.000 | 26.200 | 5.000 | 1.25 | 5.200 | |
| 80 04 08 1610 | | .3 | 1 | | | 0.210 | 230.000 | 59.000 | 20.000 | 15.000 | 1.00 | 4.800 | |
| 80 05 07 1005 | | .3 | 1 | 8.0 | | 0.110 | | 63.500 | 23.600 | 19.000 | 0.95 | 4.800 | |
| 80 06 03 0830 | | .3 | 1 | | | 0.200 | | 63.500 | 24.800 | 16.000 | 1.20 | 5.100 | 11 |
| 80 07 09 0840 | | .3 | 1 | 8.2 | 1.000< | 0.290 | 243.000 | 55.500 | 25.400 | 17.000 | 1.65 | 6.800 | 16 |
| 80 08 06 0900 | | .3 | 1 | | | 1.250 | 240.0 | 64.00 | 19.40 | 51 | 3.20 | 5.80 | 32 |
| 80 09 04 0935 | | .3 | 1 | | | 0.830 | 291.000 | 76.000 | 24.600 | 33.000 | 2.35 | 7.400 | 37 |
| 80 10 08 1000 | | .3 | 1 | 8.4 | 1.000 | 0.270 | 277.000 | 74.000 | 22.400 | 17.000 | 2.10 | 6.100 | 74 |
| 80 11 04 0945 | | .3 | 1 | 8.0 | 1.0 < | | | | | | | | |
| 80 12 17 0910 | | .3 | 1 | 7.6 | 1.000< | 0.330 | 310.000 | 81.500 | 25.800 | 10.000 | 1.55 | 5.800 | 16 |
| MAXIMUM | | | | 8.4 | 1.000 | 1.250 | 310.000 | 81.500 | 26.200 | 51 | 3.20 | 10.300 | 74 |
| ARITH MEAN | | | | 8.0 | 1.0 L | 0.381 | 269.1 | 67.60 | 23.82 | 19 | 1.72 | 6.21 | 31 |
| GEOM MEAN | | | | 8.0 | 1.0 L | 0.280 | 267.7 | 67.13 | 23.69 | 15 | 1.61 | 6.04 | 25 |
| MINIMUM | | | | 7.6 | 1.000< | 0.110 | 230.000 | 55.500 | 19.40 | 5.000 | 0.95 | 4.800 | 11 |
| STD DEV | | | | 0.3 | 0.0 L | 0.368 | 29.1 | 8.42 | 2.46 | 13 | 0.70 | 1.66 | 23 |
| NO OF SAMPLES | | | | 7 | 5 | 10 | 8 | 10 | 10 | 10 | 10 | 10 | 6 |

| TEST-NAME: | | | | ASUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 10 08 1000 | | .3 | 1 | 0.001< | | | | | | | | | |
| 80 11 04 0945 | | .3 | 1 | 0.001 | | 0.002< | 0.006 | 0.003< | 0.0002< | 0.028 | | | |
| 80 12 17 0910 | | .3 | 1 | 0.001< | 0.24 | 0.002< | 0.002 | 0.003< | 0.0002< | 0.004 | 0.010 | 0.0005< | 0.01< |
| MAXIMUM | | | | 0.001 | 0.24 | 0.002 | 0.006 | 0.003 | 0.0002 | 0.028 | 0.010 | 0.0005 | 0.01 |
| ARITH MEAN | | | | 0.001L | 0.24 | 0.002L | 0.004 | 0.003L | 0.0002L | 0.016 | 0.010 | 0.0005L | 0.01L |
| GEOM MEAN | | | | 0.001L | | 0.002L | 0.003 | 0.003L | 0.0002L | 0.011 | | | |
| MINIMUM | | | | 0.001< | 0.24 | 0.002< | 0.002 | 0.003< | 0.0002< | 0.004 | 0.010 | 0.0005< | 0.01< |
| STD DEV | | | | 0.000L | | 0.000L | 0.003 | 0.000L | 0.0000L | 0.017 | | | |
| NO OF SAMPLES | | | | 3 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 |

| TEST-NAME: | | | | P1PCBT |
|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PCB TOTAL UG/L |
| 80 10 08 1000 | | .3 | 1 | 0.020R |
| 80 11 04 0945 | | .3 | 1 | 0.020R |
| 80 12 17 0910 | | .3 | 1 | 0.020R |
| MAXIMUM | | | | |
| ARITH MEAN | | | | |
| GEOM MEAN | | | | |
| MINIMUM | | | | |
| STD DEV | | | | |
| NO OF SAMPLES | | | | |

STATION ID: **03-0030-002-02**

B.O.W./ SITE: **BIGHEAD RIVER**
SAMPLE POINT: **AT CONC ROAD 8 AND 9 SOUTH OF OXMEAD**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **BIGHEAD RIVER**

STORET CODE: **02**
**002**
**2190**

LAT: LONG: U T M: **17 0527900.0 4935650.0 4** REGION: **01** DISTANCE: **12.713**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 07 1610 | | .3 | 1 | 30306 | 6 | 110 | 490 | 8 | 36 | 4< | 0.3 | 12.0 | 0.5 |
| 80 02 06 0915 | | .3 | 1 | 30312 | 6 | 132 | 416 | 20 | 88 | 4< | 0.1 | 13.0 | 0.4 |
| 80 03 04 0915 | | .3 | 1 | 30324 | 4 | 84 | 1600 | 12 | 4 | 4< | 0.2 | 13.7 | 0.6 |
| 80 04 09 0945 | | .3 | 1 | 30340 | 6 | 150 | 2100 | 8 | 60 | 4< | 10.0 | 10.8 | 0.1< |
| 80 05 07 1030 | | .3 | 1 | 30357 | 6 | 1100 | 16000 | 76 | 32 | 4< | 12.5 | 10.8 | 0.5 |
| 80 06 03 0900 | | .3 | 1 | 30373 | 6 | 560C | 2640 | 360 | 56 | 4< | 13.9 | 11.5 | 0.6 |
| 80 07 09 0920 | | .3 | 1 | 30389 | 6 | 1400 | 7200 | 464 | 108 | 4< | 19.2 | 7.2 | 0.1< |
| 80 08 06 0955 | | .3 | 1 | 30405 | 3 | 5400C | 50000 | 880 | 600> | 4 | 21.3 | 7.6 | 0.5 |
| 80 09 04 1020 | | .3 | 1 | 30420 | 6 | 1800 | 5200 | 460 | 470 | 4< | 19.0 | 11.6 | 0.7 |
| 80 10 08 1020 | | .3 | 1 | 30436 | 6 | 670C | 6000 | 190 | 120 | 4< | 11.0 | 11.2 | 1.0< |
| 80 11 04 1115 | | .3 | 1 | 30452 | 6 | 180C | 4500 | 30I | 1500> | 4< | 8.5 | 15.1 | 1.9 |
| 80 12 17 1000 | | .3 | 1 | 30468 | 6 | 130 | 950 | 16 | 60 | 4< | 0.0 | 15.8 | 1.7 |
| MAXIMUM | | | | | | 5400 | 50000 | 880 | 1500> | 4 | 21.3 | 15.8 | 1.9 |
| ARITH MEAN | | | | | | 976 | 8091 | 210 | 261G | 4L | 9.7 | 11.7 | 0.7L |
| GEOM MEAN | | | | | | 412 | 3250 | 68 | 94G | 4L | 3.7 | 11.4 | 0.5L |
| MINIMUM | | | | | | 84 | 416 | 8 | 4 | 4< | 0.0 | 7.2 | 0.1< |
| STD DEV | | | | | | 1508 | 13885 | 277 | 433G | 0L | 8.0 | 2.6 | 0.6L |
| NO OF SAMPLES | | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

(CONTD)

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

STATION ID: **03-0030-002-02**

B O W / SITE: **BIGHEAD RIVER**
SAMPLE POINT: **AT CONC ROAD 8 AND 9 SOUTH OF OXMEAD**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **BIGHEAD RIVER**

STORET CODE: **02**
**002**
**2190**

LAT:
LONG:
U T M: **17 0527900.0 4935650.0 4**
REGION: **01**
DISTANCE: **12.713**

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 07 1610 | | | .3 | 1 | 0.002 | 0.001 | 0.010 | 0.260 | 0.002 | 1.140 | 1.152 | 0.250 | 1.402 | 260.00 |
| 80 02 06 0915 | | | .3 | 1 | 0.009 | 0.006 | 0.080 | 0.320 | 0.003 | 1.350 | 1.433 | 0.240 | 1.673 | 268.00 |
| 80 03 04 0915 | | | .3 | 1 | 0.009 | 0.003 | 0.025 | 0.230 | 0.003 | 1.460 | 1.488 | 0.205 | 1.693 | 434.00 |
| 80 04 09 0945 | | | .3 | 1 | 0.089 | 0.068 | 0.015 | 0.340 | 0.003 | 0.790 | 0.808 | 0.325 | 1.133 | 222.00 |
| 80 05 07 1030 | | | .3 | 1 | 0.021 | 0.001 | 0.015 | 0.320 | 0.004 | 0.840 | 0.859 | 0.305 | 1.164 | 270.00 |
| 80 06 03 0900 | | | .3 | 1 | 0.010 | 0.002 | 0.005 | 0.290 | 0.003 | 0.630 | 0.638 | 0.285 | 0.923 | 252.00 |
| 80 07 09 0920 | | | .3 | 1 | 0.026 | 0.002 | 0.035 | 0.400 | 0.007 | 0.670 | 0.712 | 0.365 | 1.077 | 291.00 |
| 80 08 06 0955 | | | .3 | 1 | 0.029 | 0.007 | 0.025 | 0.470 | 0.005 | 0.610 | 0.640 | 0.445 | 1.085 | 282.3 |
| 80 09 04 1020 | | | .3 | 1 | 0.035 | 0.006 | 0.095 | 0.640 | 0.017 | 0.520 | 0.632 | 0.545 | 1.177 | 294.10 |
| 80 10 08 1020 | | | .3 | 1 | 0.043 | 0.026 | 0.685 | 1.140 | 0.018 | 0.640 | 1.343 | 0.455 | 1.798 | 302.3 |
| 80 11 04 1115 | | | .3 | 1 | 0.015 | 0.001 | 0.005 | 0.350 | 0.005 | 0.820 | 0.830 | 0.345 | 1.175 | 292.80 |
| 80 12 17 1000 | | | .3 | 1 | 0.013 | 0.005 | 0.035 | 0.300 | 0.003 | 1.150 | 1.188 | 0.265 | 1.453 | 313.00 |
| MAXIMUM | | | | | **0.089** | **0.068** | **0.685** | **1.140** | **0.018** | **1.460** | **1.488** | **0.545** | **1.798** | **434.00** |
| ARITH MEAN | | | | | **0.025** | **0.011** | **0.086** | **0.422** | **0.006** | **0.885** | **0.977** | **0.338** | **1.313** | **290.1** |
| GEOM MEAN | | | | | **0.017** | **0.004** | **0.028** | **0.379** | **0.005** | **0.838** | **0.929** | **0.323** | **1.286** | **286.4** |
| MINIMUM | | | | | **0.002** | **0.001** | **0.005** | **0.230** | **0.002** | **0.520** | **0.632** | **0.205** | **0.923** | **222.00** |
| STD DEV | | | | | **0.023** | **0.019** | **0.191** | **0.261** | **0.006** | **0.313** | **0.325** | **0.101** | **0.284** | **51.6** |
| NO OF SAMPLES | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | SIO3UR | ACDT | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | SILICATE UNF.REAC MG/L AS SI | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH |
| 80 01 07 1610 | | | .3 | 1 | 0.50 | 259.50 | 454.0 | 0.90 | 6.000 | 14.000 | 1.980 | 7.800 | 227 | 8.16 |
| 80 02 06 0915 | | | .3 | 1 | 6.50 | 261.00 | 510.0 | 2.40 | 4.500 | 15.000 | 2.440 | 8.000 | 260.0 | 8.06 |
| 80 03 04 0915 | | | .3 | 1 | 1.50 | 432.00 | 522.0 | 1.80 | 5.000 | 13.500 | 2.440 | 24.200 | 264.0 | 8.20 |
| 80 04 09 0945 | | | .3 | 1 | 5.50 | 257.000 | 396.0 | 3.50 | 4.000 | 10.000 | 0.760 | 13.900 | 201.0 | 8.20 |
| 80 05 07 1030 | | | .3 | 1 | 8.50 | 261.50 | 454.0 | 1.10 | 4.000 | 10.500 | 1.140 | 0.000 | 235.0 | 8.38 |
| 80 06 03 0900 | | | .3 | 1 | 13.00 | 239.00 | 450.0 | 3.40 | 4.000 | 9.500 | 1.840 | 0.000 | 237.0 | 8.35 |
| 80 07 09 0920 | | | .3 | 1 | 13.00 | 278.00 | 432.0 | 6.10 | 4.000 | 10.000 | 1.760 | 7.800 | 228.0 | 8.25 |
| 80 08 06 0955 | | | .3 | 1 | 8.4 | 273.9 | 467 | 5.40 | 5.0 | 10.0 | 2.26 | 9.8 | 244 | 8.19 |
| 80 09 04 1020 | | | .3 | 1 | 8.10 | 286.00 | 473.0 | 3.90 | 5.500 | 7.500 | 3.220 | 7.700 | 248.0 | 8.21 |
| 80 10 08 1020 | | | .3 | 1 | 2.90 | 299.40 | 500.0 | 0.80 | 5.000 | 10.000 | 2.360 | 1.900 | 262.0 | 8.25 |
| 80 11 04 1115 | | | .3 | 1 | 8.80 | 284.00 | 510.0 | 3.40 | 5.000 | 11.000 | 1.080 | 0.0 | 270.0 | 8.30 |
| 80 12 17 1000 | | | .3 | 1 | 5.20 | 307.80 | 510.0 | 1.20 | 5.000 | 13.000 | 2.560 | 11.600 | 268.0 | 8.08 |
| MAXIMUM | | | | | **13.00** | **432.00** | **522.0** | **6.10** | **6.000** | **15.000** | **3.220** | **24.200** | **270.0** | **8.38** |
| ARITH MEAN | | | | | **6.8** | **286.5** | **473** | **2.82** | **4.7** | **11.1** | **1.98** | **7.7** | **245** | **8.22** |
| GEOM MEAN | | | | | **5.1** | **283.3** | **471** | **2.29** | **4.7** | **10.9** | **1.84** | **5.0** | **244** | **8.22** |
| MINIMUM | | | | | **0.50** | **239.00** | **396.0** | **0.80** | **4.000** | **7.500** | **0.760** | **0.000** | **201.0** | **8.06** |
| STD DEV | | | | | **3.9** | **49.6** | **38** | **1.77** | **0.6** | **2.2** | **0.71** | **7.0** | **20** | **0.10** |
| NO OF SAMPLES | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | FWPH | PHNOL | FEUT | HARDT | CAUR | MGUR | COLAP | KKUR | NAUR | COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O |
| 80 01 07 1610 | | | .3 | 1 | 8.2 | 1.000< | 0.060 | 237.000 | 56.000 | 23.600 | 11.000 | 1.00 | 2.800 | 10 |
| 80 02 06 0915 | | | .3 | 1 | 7.8 | 1.000< | 0.160 | 282.000 | 70.500 | 25.600 | 12.000 | 0.90 | 2.100 | |
| 80 03 04 0915 | | | .3 | 1 | 7.6 | 1.000< | 0.160 | 290.000 | 72.500 | 26.400 | 8.000 | 1.05 | 2.100 | |
| 80 04 09 0945 | | | .3 | 1 | 6.1 | 1.000< | 0.200 | 210.000 | 54.500 | 18.000 | 21.000 | 1.00 | 1.700 | |
| 80 05 07 1030 | | | .3 | 1 | 7.9 | 1.000< | 0.080 | | 61.000 | 23.400 | 24.000 | 0.90 | 1.700 | |
| 80 06 03 0900 | | | .3 | 1 | | 1.000< | 0.270 | | 61.500 | 23.000 | 26.000 | 0.80 | 2.100 | |
| 80 07 09 0920 | | | .3 | 1 | 8.3 | 1.000< | 0.420 | 241.000 | 55.000 | 25.000 | 15.000 | 0.85 | 2.000 | |
| 80 08 06 0955 | | | .3 | 1 | | 1.0 < | 0.280 | 258.0 | 63.50 | 24.00 | 35 | 1.55 | 2.20 | |
| 80 09 04 1020 | | | .3 | 1 | | | 0.300 | 263.000 | 64.500 | 24.800 | 42.000 | 2.25 | 2.800 | |
| 80 10 08 1020 | | | .3 | 1 | 8.0 | 1.000< | 0.110 | 268.000 | 68.000 | 23.800 | 31.000 | 2.40 | 3.100 | |
| 80 11 04 1115 | | | .3 | 1 | 8.1 | 1.000< | 0.180 | 284.000 | 70.500 | 26.200 | 24.000 | 1.60 | 2.300 | |
| 80 12 17 1000 | | | .3 | 1 | 7.4 | 1.000< | 0.130 | 283.000 | 73.000 | 24.400 | 15.000 | 1.55 | 2.200 | |
| MAXIMUM | | | | | **8.3** | **1.000** | **0.420** | **290.000** | **73.000** | **26.400** | **42.000** | **2.40** | **3.100** | **10** |
| ARITH MEAN | | | | | **7.7** | **1.0 L** | **0.198** | **261.6** | **64.20** | **24.01** | **22** | **1.32** | **2.25** | **10** |
| GEOM MEAN | | | | | **7.7** | **1.0 L** | **0.170** | **260.4** | **63.87** | **23.91** | **19** | **1.23** | **2.22** | |
| MINIMUM | | | | | **6.1** | **1.000<** | **0.080** | **210.000** | **54.500** | **18.000** | **8.000** | **0.80** | **1.700** | **10** |
| STD DEV | | | | | **0.7** | **0.0 L** | **0.104** | **25.6** | **6.77** | **2.18** | **10** | **0.55** | **0.43** | |
| NO OF SAMPLES | | | | | **9** | **11** | **12** | **10** | **12** | **12** | **12** | **12** | **12** | **1** |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **BEAVER RIVER**
SAMPLE POINT: **AT RAILROAD BRIDGE THORNBURY**
STATION TYPE: **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **BEAVER RIVER**

STATION ID **03-0036-002-02**

STORET CODE **02**
**002**
**2250**

LAT

LONG

U T M **17 0543590.0 4934300.0 4**

REGION **01**

DISTANCE **0.322**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 07 1535 | | | .3 | 1 | 30305 | 6 | 150 | 490 | 10I | 90I | 4< | 0.2 | 13.2 | 0.3 |
| 80 02 06 0955 | | | .3 | 1 | 30313 | 6 | 364 | 132 | 16 | 8 | 4< | 0.0 | 12.8 | 0.7 |
| 80 03 04 1000 | | | .3 | 1 | 30325 | 6 | 400 | 480 | 8 | 4< | 4< | 0.0 | 12.8 | 0.8 |
| 80 04 09 1020 | | | .3 | 1 | 30341 | 6 | 220 | 2600 | 24 | 84 | 4< | 10.5 | 11.6 | 0.2 |
| 80 05 07 1100 | | | .3 | 1 | 30358 | 6 | 550C | 4000 | 104 | 36 | 4< | 13.0 | 12.5 | 0.9 |
| 80 06 03 0925 | | | .3 | 1 | 30374 | 3 | 610C | 4400 | 200 | 48 | 4< | 14.9 | 12.2 | 1.1 |
| 80 07 09 1000 | | | .3 | 1 | 30390 | 6 | 40I | 10 | 16 | 84 | 4< | 20.8 | 7.8 | 0.4 |
| 80 08 06 1045 | | | .3 | 1 | 30406 | 3 | 1300 | 19000 | 104 | 124 | 4 | 24.2 | 8.1 | 0.9 |
| 80 09 04 1045 | | | .3 | 1 | 30421 | 3 | 2200 | 12000 | 260 | 60 | 4< | 20.2 | 14.0 | 0.6 |
| 80 10 08 1125 | | | .3 | 1 | 30437 | 6 | 450C | 4700 | 60I | 10I | 4< | 11.5 | 11.0 | 0.4 |
| 80 11 04 1215 | | | .3 | 1 | 30453 | 6 3 | 460C | 3200 | 40 | 192 | 4< | 7.0 | 16.9 | 1.7 |
| 80 12 17 1030 | | | .3 | 1 | 30469 | 6 | 410 | 1070 | 32 | 16 | 4< | 0.0 | 15.4 | 1.0 |
| MAXIMUM | | | | | | | **2200** | **19000** | **260** | **192** | **4** | **24.2** | **16.9** | **1.7** |
| ARITH MEAN | | | | | | | **596** | **4340** | **73** | **63L** | **4L** | **10.2** | **12.4** | **0.7** |
| GEOM MEAN | | | | | | | **398** | **1390** | **41** | **38L** | **4L** | **5.1** | **12.1** | **0.6** |
| MINIMUM | | | | | | | **40** | **10** | **8** | **4<** | **4<** | **0.0** | **7.8** | **0.2** |
| STD DEV | | | | | | | **594** | **5681** | **81** | **56L** | **0L** | **8.9** | **2.6** | **0.4** |
| NO OF SAMPLES | | | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 07 1535 | | | .3 | 1 | 0.008 | 0.003 | 0.015 | 0.310 | 0.002 | 1.020 | 1.037 | 0.295 | 1.332 | 284.0 |
| 80 02 06 0955 | | | .3 | 1 | 0.006 | 0.001 | 0.020 | 0.260 | 0.003 | 1.190 | 1.213 | 0.240 | 1.453 | 278.0 |
| 80 03 04 1000 | | | .3 | 1 | 0.008 | 0.001 | 0.020 | 0.310 | 0.006 | 1.380 | 1.406 | 0.290 | 1.696 | 324.0 |
| 80 04 09 1020 | | | .3 | 1 | 0.028 | 0.003 | 0.010 | 0.280 | 0.003 | 0.490 | 0.503 | 0.270 | 0.773 | 238.0 |
| 80 05 07 1100 | | | .3 | 1 | 0.026 | 0.002 | 0.020 | 0.400 | 0.005 | 0.880 | 0.905 | 0.380 | 1.285 | 280.0 |
| 80 06 03 0925 | | | .3 | 1 | 0.022 | 0.004 | 0.015 | 0.340 | 0.004 | 0.420 | 0.439 | 0.325 | 0.764 | 274.0 |
| 80 07 09 1000 | | | .3 | 1 | 0.021 | 0.001 | 0.035 | 0.38 | 0.004 | 0.23 | 0.269 | 0.345 | 0.614 | 263 |
| 80 08 06 1045 | | | .3 | 1 | 0.044 | 0.013 | 0.030 | 0.490 | 0.004 | 0.100 | 0.134 | 0.460 | 0.594 | 228.1 |
| 80 09 04 1045 | | | .3 | 1 | 0.186 | 0.004 | 0.035 | 0.740 | 0.003 | 0.200 | 0.238 | 0.705 | 0.943 | 406.4 |
| 80 10 08 1125 | | | .3 | 1 | 0.070 | 0.002 | 0.015 | 0.530 | 0.002 | 0.180 | 0.197 | 0.515 | 0.712 | 303.5 |
| 80 11 04 1215 | | | .3 | 1 | 0.015 | 0.001 | 0.005 | 0.370 | 0.002 | 0.320 | 0.327 | 0.365 | 0.692 | 266.2 |
| 80 12 17 1030 | | | .3 | 1 | 0.014 | 0.003 | 0.010 | 0.280 | 0.003 | 0.640 | 0.653 | 0.270 | 0.923 | 284.8 |
| MAXIMUM | | | | | **0.186** | **0.013** | **0.035** | **0.740** | **0.006** | **1.380** | **1.406** | **0.705** | **1.696** | **406.4** |
| ARITH MEAN | | | | | **0.037** | **0.003** | **0.019** | **0.39** | **0.003** | **0.58** | **0.610** | **0.372** | **0.982** | **285** |
| GEOM MEAN | | | | | **0.022** | **0.002** | **0.017** | **0.37** | **0.003** | **0.43** | **0.474** | **0.354** | **0.924** | **282** |
| MINIMUM | | | | | **0.006** | **0.001** | **0.005** | **0.260** | **0.002** | **0.100** | **0.134** | **0.240** | **0.594** | **228.1** |
| STD DEV | | | | | **0.050** | **0.003** | **0.010** | **0.13** | **0.001** | **0.43** | **0.431** | **0.132** | **0.387** | **45** |
| NO OF SAMPLES | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 07 1535 | | | .3 | 1 | 4.5 | 279.5 | 483.0 | 4.50 | 5.500 | 8.15 | 6.8 |
| 80 02 06 0955 | | | .3 | 1 | 8.5 | 269.5 | 500.0 | 3.00 | 6.000 | 8.07 | 7.7 |
| 80 03 04 1000 | | | .3 | 1 | 2.5 | 321.0 | 510.0 | 2.80 | 6.500 | 8.15 | 7.4 |
| 80 04 09 1020 | | | .3 | 1 | 15.0 | 240.000 | 369.0 | 9.20 | 5.000 | 8.24 | |
| 80 05 07 1100 | | | .3 | 1 | 9.0 | 271.0 | 419.0 | 2.20 | 5.000 | 8.37 | 7.7 |
| 80 06 03 0925 | | | .3 | 1 | 8.0 | 266.0 | 420.0 | 7.60 | 6.000 | 8.39 | |
| 80 07 09 1000 | | | .3 | 1 | 10.1 | 258 | 397 | 7.4 | 5.0 | 8.41 | 8.5 |
| 80 08 06 1045 | | | .3 | 1 | 12.0 | 216.1 | 398.0 | 8.10 | 5.000 | 8.34 | |
| 80 09 04 1045 | | | .3 | 1 | 148.7 | 252.200 | 388.0 | 41.00 | 5.000 | 8.38 | |
| 80 10 08 1125 | | | .3 | 1 | 51.5 | 252.0 | 426.0 | 12.00 | 5.000 | 8.25 | 8.2 |
| 80 11 04 1215 | | | .3 | 1 | 8.1 | 258.1 | 432.0 | 3.00 | 6.000 | 8.26 | 8.1 |
| 80 12 17 1030 | | | .3 | 1 | 6.7 | 278.1 | 469.0 | 2.30 | 6.000 | 8.09 | |
| MAXIMUM | | | | | **148.7** | **321.0** | **510.0** | **41.00** | **6.500** | **8.41** | **8.5** |
| ARITH MEAN | | | | | **23.7** | **283** | **434** | **8.5** | **5.5** | **8.26** | **7.8** |
| GEOM MEAN | | | | | **11.5** | **282** | **432** | **5.7** | **5.4** | **8.26** | **7.8** |
| MINIMUM | | | | | **2.5** | **216.1** | **369.0** | **2.20** | **5.000** | **8.07** | **6.8** |
| STD DEV | | | | | **41.4** | **25** | **46** | **10.6** | **0.5** | **0.12** | **0.6** |
| NO OF SAMPLES | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **7** |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

| | | | |
|---|---|---|---|
| B O W / SITE: **BOYNE RIVER** | | STATION ID: **03-0036-005-02** | |
| SAMPLE POINT: **1ST.BRIDGE DNSTR.FROM HWY.10 FLESHERTON** | MAJOR BASIN: **GREAT LAKES** | STORET CODE: **02**<br>**002**<br>**2250** | |
| STATION TYPE: **RIVER** | MINOR BASIN: **LAKE HURON** | | |
| | TERM STREAM: **BEAVER RIVER** | | |
| LAT: | LONG: | U T M: **17 0536250.0 4902850.0 4** | REGION: **01** |
| | | | DISTANCE: **44.417** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 07 1316 | | | .3 | 1 | 30300 | 6 | 380 | 430 | 128 | 12 | 4< | 1.0 | 9.9 | 0.4 |
| 80 02 06 1050 | | | .3 | 1 | 30315 | 4 | 810 | 460 | 376 | 16 | 4< | | | 0.8 |
| 80 03 04 1110 | | | .3 | 1 | 30327 | 6 | 9200 | 1900 | 600> | 32 | 4< | 0.0 | 12.7 | 1.1 |
| 80 04 09 1120 | | | .3 | 1 | 30343 | 6 | 210 | 1320 | 68 | 180 | 4< | 8.0 | 12.0 | 0.1< |
| 80 05 07 1235 | | | .3 | 1 | 30363 | 6 | 5800 | 6200 | 48 | 128 | 4< | 11.0 | 12.8 | 0.6 |
| 80 06 03 1205 | | | .3 | 1 | 30379 | 6 | 450C | 3200 | 40 | 24 | 4< | 13.5 | 12.1 | 0.6 |
| 80 07 09 1230 | | | .3 | 1 | 30395 | 6 | 1400 | 5800 | 36 | 40 | 4< | 17.4 | 8.3 | 0.2 |
| 80 08 06 1330 | | | .3 | 1 | 30411 | 6 | 280C | 4700 | 12 | 184 | 4< | 21.8 | 8.0 | 0.6 |
| 80 09 04 1230 | | | .3 | 1 | 30426 | 6 | 310C | 5000 | 28 | 80 | 4 | 17.4 | 8.2 | 0.2 |
| 80 10 08 1410 | | | .3 | 1 | 30442 | 6 | 1300 | 3800 | 12 | 12 | 4< | 11.5 | 10.0 | 0.4 |
| 80 11 04 1330 | | | .3 | 1 | 30458 | 6 | 8400 | 11900 | | 600> | 12 | 6.0 | 15.8 | 0.9 |
| 80 12 17 1220 | | | .3 | 1 | 30474 | 6 | 530 | 1140 | 30I | 10< | 4< | 0.0 | 16.4 | 1.8 |
| MAXIMUM | | | | | | | 9200 | 11900 | 600> | 600> | 12 | 21.8 | 16.4 | 1.8 |
| ARITH MEAN | | | | | | | 2422 | 3821 | 125G | 110B | 5L | 9.8 | 11.5 | 0.6L |
| GEOM MEAN | | | | | | | 1007 | 2531 | 56G | 48B | 4L | 8.2 | 11.1 | 0.6L |
| MINIMUM | | | | | | | 210 | 430 | 12 | 10< | 4< | 0.0 | 8.0 | 0.1< |
| STD DEV | | | | | | | 3352 | 3266 | 189G | 167B | 2L | 7.5 | 2.9 | 0.5L |
| NO OF SAMPLES | | | | | | | 12 | 12 | 11 | 12 | 12 | 11 | 11 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 07 1316 | | | .3 | 1 | 0.007 | 0.001 | 0.010 | 0.310 | 0.002 | 0.580 | 0.592 | 0.300 | 0.892 | 266.0 |
| 80 02 06 1050 | | | .3 | 1 | 0.012 | 0.004 | 0.020 | 0.260 | 0.005 | 0.800 | 0.825 | 0.240 | 1.065 | 282.0 |
| 80 03 04 1110 | | | .3 | 1 | 0.009 | 0.001< | 0.020 | 0.280 | 0.005 | 0.860 | 0.885 | 0.260 | 1.145 | 336.0 |
| 80 04 09 1120 | | | .3 | 1 | 0.021 | 0.002 | 0.010 | 0.270 | 0.003 | 0.310 | 0.323 | 0.260 | 0.583 | 182.0 |
| 80 05 07 1235 | | | .3 | 1 | 0.023 | 0.002 | 0.015 | 0.370 | 0.004 | 0.420 | 0.439 | 0.355 | 0.794 | 316.0 |
| 80 06 03 1205 | | | .3 | 1 | 0.025 | 0.023 | 0.005< | 0.180 | 0.002 | 1.040 | 1.047 | 0.175 | 1.222 | 300.0 |
| 80 07 09 1230 | | | .3 | 1 | 0.013 | 0.003 | 0.010 | 0.26 | 0.003 | 0.42 | 0.433 | 0.250 | 0.683 | 307 |
| 80 08 06 1330 | | | .3 | 1 | 0.013 | 0.004 | 0.005 | 0.320 | 0.002 | 0.280 | 0.287 | 0.315 | 0.602 | 250.6 |
| 80 09 04 1230 | | | .3 | 1 | 0.013 | 0.004 | 0.005 | 0.280 | 0.003 | 0.460 | 0.468 | 0.275 | 0.743 | 281.3 |
| 80 10 08 1410 | | | .3 | 1 | 0.010 | 0.003 | 0.005< | 0.310 | 0.001 | 0.300 | 0.306 | 0.305 | 0.611 | 263.3 |
| 80 11 04 1330 | | | .3 | 1 | 0.015 | 0.001 | 0.005 | 0.370 | 0.001 | 0.360 | 0.366 | 0.365 | 0.731 | 275.6 |
| 80 12 17 1220 | | | .3 | 1 | 0.019 | 0.003 | 0.015 | 0.370 | 0.003 | 0.450 | 0.468 | 0.355 | 0.823 | 291.0 |
| MAXIMUM | | | | | 0.025 | 0.023 | 0.020 | 0.370 | 0.005 | 1.040 | 1.047 | 0.365 | 1.222 | 336.0 |
| ARITH MEAN | | | | | 0.015 | 0.004L | 0.010L | 0.29 | 0.003 | 0.52 | 0.537 | 0.288 | 0.824 | 279 |
| GEOM MEAN | | | | | 0.014 | 0.003L | 0.008L | 0.29 | 0.003 | 0.47 | 0.491 | 0.283 | 0.800 | 276 |
| MINIMUM | | | | | 0.007 | 0.001< | 0.005< | 0.180 | 0.001 | 0.280 | 0.287 | 0.175 | 0.583 | 182.0 |
| STD DEV | | | | | 0.006 | 0.006L | 0.006L | 0.05 | 0.001 | 0.24 | 0.250 | 0.056 | 0.216 | 38 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 07 1316 | | | .3 | 1 | 1.5 | 264.5 | 466.0 | 1.50 | 13.000 | 8.20 | 7.8 |
| 80 02 06 1050 | | | .3 | 1 | 16.5 | 265.5 | 505.0 | 2.50 | 13.500 | 8.17 | 8.8 |
| 80 03 04 1110 | | | .3 | 1 | 7.5 | 328.0 | 510.0 | 1.20 | 15.000 | 8.26 | 7.6 |
| 80 04 09 1120 | | | .3 | 1 | 5.0 | 211.000 | 324.0 | 1.60 | 8.000 | 8.22 | |
| 80 05 07 1235 | | | .3 | 1 | 8.5 | 307.5 | 451.0 | 1.90 | 13.500 | 8.37 | 8.0 |
| 80 06 03 1205 | | | .3 | 1 | 7.5 | 292.5 | 476.0 | 1.10 | 16.500 | 8.41 | |
| 80 07 09 1230 | | | .3 | 1 | 3.9 | 303 | 460 | 1.5 | 16.5 | 8.43 | 8.5 |
| 80 08 06 1330 | | | .3 | 1 | 2.8 | 247.8 | 418.0 | 1.00 | 14.000 | 8.53 | |
| 80 09 04 1230 | | | .3 | 1 | 1.1 | 280.2 | 463.0 | 0.80 | 15.500 | 8.49 | |
| 80 10 08 1410 | | | .3 | 1 | 4.0 | 259.3 | 435.0 | 0.80 | 11.500 | 8.42 | 8.0 |
| 80 11 04 1330 | | | .3 | 1 | 3.1 | 272.5 | 460.0 | 1.40 | 13.500 | 8.20 | 7.6 |
| 80 12 17 1220 | | | .3 | 1 | 9.6 | 281.4 | 451.0 | 1.50 | 11.000 | 8.08 | |
| MAXIMUM | | | | | 16.5 | 328.0 | 510.0 | 2.50 | 16.500 | 8.53 | 8.8 |
| ARITH MEAN | | | | | 5.9 | 276 | 451 | 1.4 | 13.4 | 8.31 | 8.0 |
| GEOM MEAN | | | | | 4.6 | 274 | 449 | 1.3 | 13.2 | 8.31 | 8.0 |
| MINIMUM | | | | | 1.1 | 211.000 | 324.0 | 0.80 | 8.000 | 8.08 | 7.6 |
| STD DEV | | | | | 4.3 | 30 | 47 | 0.4 | 2.4 | 0.14 | 0.5 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 7 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **BEAVER RIVER**
SAMPLE POINT: **AT GREY COUNTY ROAD NO 2 FEVERSHAM**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **BEAVER RIVER**

STATION ID: **03-0036-006-02**

STORET CODE: **02**
**002**
**2250**

LAT:

LONG:

U T M: **17 0549525.0 4909375.0 4**

REGION: **01**

DISTANCE: **56.980**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 07 1340 | | | 3 | 1 | 30301 | 6 | 10I | 200 | 4 | 28 | 4< | 1.5 | 13.0 | 0.1 |
| 80 02 06 1115 | | | 3 | 1 | 30316 | 6 | 52 | 292 | 32 | 4< | 4< | 1.0 | 12.6 | 0.5 |
| 80 03 04 1140 | | | 3 | 1 | 30328 | 6 | 12 | 84 | 4 | 4< | 4< | 2.5 | 17.6 | 0.9 |
| 80 04 09 1155 | | | 3 | 1 | 30344 | 6 | 390 | 2100 | 20 | 40 | 4< | 7.0 | 12.0 | 0.1< |
| 80 05 07 1155 | | | 3 | 1 | 30360 | 6 | 440 | 1900 | 48 | 28 | 4< | 8.6 | 13.0 | 0.3 |
| 80 06 03 1155 | | | 3 | 1 | 30376 | 6 | 210 | 2200 | 64 | 40 | 4< | 11.8 | 12.6 | 0.8 |
| 80 07 09 1115 | | | 3 | 1 | 30392 | 6 | 270 | 2600 | 56 | 44 | 4< | 14.6 | 8.7 | 0.1< |
| 80 08 06 1230 | | | 3 | 1 | 30408 | 6 | 190 | 1100 | 68 | 68 | 4< | 19.7 | 8.3 | 0.8 |
| 80 09 04 1150 | | | 3 | 1 | 30423 | 6 | 460 | 1700 | 60 | 480 | 4< | 17.0 | 14.6 | 0.4 |
| 80 10 08 1215 | | | 3 | 1 | 30438 | 6 | 120 | 1120 | 12 | 40I | 4< | 11.0 | 12.2 | 0.2 |
| 80 11 04 1400 | | | 3 | 1 | 30456 | 6 | 90I | 1120 | 4 | 116 | 4< | 6.8 | 16.2 | 0.9 |
| 80 12 17 1115 | | | 3 | 1 | 30470 | 6 | 30I | 530 | 8 | 4< | 4< | 0.3 | 16.0 | 2.1 |
| MAXIMUM | | | | | | | **480** | **2600** | **68** | **480** | **4** | **19.7** | **17.6** | **2.1** |
| ARITH MEAN | | | | | | | **189** | **1245** | **32** | **75L** | **4L** | **8.5** | **13.1** | **0.6L** |
| GEOM MEAN | | | | | | | **106** | **848** | **19** | **30L** | **4L** | **5.1** | **12.8** | **0.4L** |
| MINIMUM | | | | | | | **10** | **84** | **4** | **4<** | **4<** | **0.3** | **8.3** | **0.1<** |
| STD DEV | | | | | | | **167** | **854** | **26** | **131L** | **0L** | **6.5** | **2.8** | **0.6L** |
| NO OF SAMPLES | | | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 07 1340 | | | 3 | 1 | 0.029 | 0.009 | 0.010 | 0.280 | 0.002 | 2.200 | 2.212 | 0.270 | 2.482 | 286.0 |
| 80 02 06 1115 | | | 3 | 1 | 0.043 | 0.010 | 0.015 | 0.440 | 0.004 | 1.900 | 1.919 | 0.425 | 2.344 | 286.0 |
| 80 03 04 1140 | | | 3 | 1 | 0.015 | 0.009 | 0.010 | 0.210 | 0.004 | 1.900 | 1.914 | 0.200 | 2.114 | 324.0 |
| 80 04 09 1155 | | | 3 | 1 | 0.030 | 0.004 | 0.010 | 0.320 | 0.003 | 0.910 | 0.923 | 0.310 | 1.233 | 224.0 |
| 80 05 07 1155 | | | 3 | 1 | 0.047 | 0.023 | 0.020 | 0.430 | 0.004 | 1.270 | 1.294 | 0.410 | 1.704 | 322.0 |
| 80 06 03 1155 | | | 3 | 1 | 0.028 | 0.016 | 0.010 | 0.350 | 0.003 | 1.220 | 1.233 | 0.340 | 1.573 | 288.0 |
| 80 07 09 1115 | | | 3 | 1 | 0.024 | 0.011 | 0.020 | 0.33 | 0.002 | 1.41 | 1.432 | 0.310 | 1.742 | 300 |
| 80 08 06 1230 | | | 3 | 1 | 0.036 | 0.021 | 0.010 | 0.370 | 0.002 | 1.070 | 1.082 | 0.360 | 1.442 | 292.0 |
| 80 09 04 1150 | | | 3 | 1 | 0.074 | 0.019 | 0.005 | 0.620 | 0.002 | 1.130 | 1.137 | 0.615 | 1.752 | 317.8 |
| 80 10 08 1215 | | | 3 | 1 | 0.018 | 0.012 | 0.010 | 0.360 | 0.001 | 1.220 | 1.231 | 0.350 | 1.581 | 281.1 |
| 80 11 04 1400 | | | 3 | 1 | 0.014 | 0.004 | 0.005 | 0.290 | 0.001 | 1.440 | 1.446 | 0.285 | 1.731 | 276.5 |
| 80 12 17 1115 | | | 3 | 1 | 0.022 | 0.010 | 0.015 | 0.350 | 0.003 | 1.610 | 1.628 | 0.335 | 1.963 | 309.8 |
| MAXIMUM | | | | | **0.074** | **0.023** | **0.020** | **0.620** | **0.004** | **2.200** | **2.212** | **0.615** | **2.482** | **324.0** |
| ARITH MEAN | | | | | **0.032** | **0.012** | **0.012** | **0.38** | **0.003** | **1.44** | **1.464** | **0.351** | **1.806** | **292** |
| GEOM MEAN | | | | | **0.028** | **0.011** | **0.011** | **0.35** | **0.002** | **1.39** | **1.409** | **0.339** | **1.772** | **291** |
| MINIMUM | | | | | **0.014** | **0.004** | **0.005** | **0.210** | **0.001** | **0.910** | **0.923** | **0.200** | **1.233** | **224.0** |
| STD DEV | | | | | **0.017** | **0.006** | **0.005** | **0.10** | **0.001** | **0.39** | **0.391** | **0.103** | **0.364** | **27** |
| NO OF SAMPLES | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 07 1340 | | | 3 | 1 | 0.5 | 285.5 | 500.0 | 0.70 | 3.500 | 8.12 | 7.9 |
| 80 02 06 1115 | | | 3 | 1 | 22.5 | 263.5 | 505.0 | 2.50 | 4.000 | 8.13 | 8.7 |
| 80 03 04 1140 | | | 3 | 1 | 5.0 | 319.0 | 493.0 | 0.40 | 3.500 | 8.21 | 8.2 |
| 80 04 09 1155 | | | 3 | 1 | 15.5 | 226.000 | 348.0 | 2.60 | 2.500 | 8.15 | |
| 80 05 07 1155 | | | 3 | 1 | 7.5 | 314.5 | 462.0 | 1.10 | 3.500 | 8.26 | 7.9 |
| 80 06 03 1155 | | | 3 | 1 | 7.0 | 281.0 | 462.0 | 1.00 | 3.000 | 8.29 | |
| 80 07 09 1115 | | | 3 | 1 | 10.1 | 290 | 480 | 1.0 | 3.5 | 8.25 | 8.2 |
| 80 08 06 1230 | | | 3 | 1 | 2.9 | 289.1 | 474.0 | 0.95 | 4.000 | 8.34 | |
| 80 09 04 1150 | | | 3 | 1 | 16.9 | 300.9 | 477.0 | 2.60 | 3.500 | 8.33 | |
| 80 10 08 1215 | | | 3 | 1 | 8.1 | 280.0 | 473.0 | 1.00 | 3.000 | 8.25 | |
| 80 11 04 1400 | | | 3 | 1 | 3.3 | 273.2 | 485.0 | 1.00 | 4.000 | 8.17 | 7.8 |
| 80 12 17 1115 | | | 3 | 1 | 8.5 | 301.3 | 488.0 | 1.00 | 5.000 | 8.05 | |
| MAXIMUM | | | | | **22.5** | **319.0** | **505.0** | **2.60** | **5.000** | **8.34** | **8.7** |
| ARITH MEAN | | | | | **9.0** | **285** | **470** | **1.3** | **3.5** | **8.21** | **8.1** |
| GEOM MEAN | | | | | **6.4** | **284** | **468** | **1.1** | **3.5** | **8.21** | **8.1** |
| MINIMUM | | | | | **0.5** | **226.000** | **348.0** | **0.40** | **2.500** | **8.05** | **7.8** |
| STD DEV | | | | | **6.4** | **24** | **40** | **0.7** | **0.6** | **0.09** | **0.3** |
| NO OF SAMPLES | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **6** |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **BEAVER RIVER**
SAMPLE POINT: **AT COUNTY ROAD NO.10 OSPREY TOWNSHIP**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **BEAVER RIVER**

STATION ID: **03-0036-007-02**
STORET CODE: **02**
**002**
**2250**

LAT:
LONG:
U T M: **17 0550250.0 4911150.0 4**
REGION: **01**
DISTANCE: **59.061**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 07 1357 | | | .3 | 1 | 30302 | 6 | 20I | 230 | 4 | 4< | 4< | 1.0 | 9.7 | 0.1< |
| 80 02 06 1130 | | | .3 | 1 | 30317 | 6 | 12 | 160 | 4< | 4< | 4< | 0.2 | 12.0 | 0.6 |
| 80 03 04 1153 | | | .3 | 1 | 30329 | 6 | 4< | 204 | 32 | 8 | 4< | 0.0 | 13.4 | 0.7 |
| 80 04 09 1205 | | | .3 | 1 | 30345 | 6 | 140 | 880 | 20 | 32 | 4< | 6.2 | 11.2 | 0.4 |
| 80 05 07 1210 | | | .3 | 1 | 30361 | 6 | 600> | 760 | 28 | 8 | 4< | 8.0 | 11.6 | 0.8 |
| 80 06 03 1120 | | | .3 | 1 | 30377 | 6 | 100C | 4600 | 96 | 28 | 4< | 11.0 | 11.5 | 0.6 |
| 80 07 09 1140 | | | .3 | 1 | 30393 | 6 | 140 | 100 | 56 | 32 | 4< | 15.5 | 8.3 | 0.1< |
| 80 08 06 1250 | | | .3 | 1 | 30409 | 6 | 1100 | 13000 | 168 | 128 | 4< | 18.3 | 7.9 | 0.6 |
| 80 09 04 1200 | | | .3 | 1 | 30424 | 6 | 210 | 1000 | 44 | 68 | 4< | 15.0 | 9.7 | 0.4 |
| 80 10 08 1235 | | | .3 | 1 | 30439 | 6 | 90I | 1300 | 4 | 12 | 4< | 9.0 | 9.8 | 0.2 |
| 80 11 04 1415 | | | .3 | 1 | 30454 | 6 | 130 | 820 | 8 | 12 | 4< | 7.0 | 15.2 | 0.5 |
| 80 12 17 1155 | | | .3 | 1 | 30471 | 4 | 50I | 390 | 4< | 4< | 4< | 0.0 | 15.4 | 1.8 |
| MAXIMUM | | | | | | | 1100> | 13000 | 168 | 128 | 4 | 18.3 | 15.4 | 1.8 |
| ARITH MEAN | | | | | | | 2188 | 1964 | 39L | 28L | 4L | 7.6 | 11.3 | 0.6L |
| GEOM MEAN | | | | | | | 868 | 694 | 18L | 15L | 4L | 4.2 | 11.1 | 0.4L |
| MINIMUM | | | | | | | 4< | 100 | 4< | 4< | 4< | 0.0 | 7.9 | 0.1< |
| STD DEV | | | | | | | 3208 | 3665 | 49L | 37L | 0L | 6.5 | 2.4 | 0.4L |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 07 1357 | | | .3 | 1 | 0.007 | 0.003 | 0.005 | 0.190 | 0.002 | 2.400 | 2.407 | 0.185 | 2.592 | 274.0 |
| 80 02 06 1130 | | | .3 | 1 | 0.002 | 0.002 | 0.010 | 0.140 | 0.005 | 2.100 | 2.115 | 0.130 | 2.245 | 282.0 |
| 80 03 04 1153 | | | .3 | 1 | 0.003 | 0.002 | 0.005 | 0.140 | 0.004 | 2.150 | 2.159 | 0.135 | 2.294 | 314.0 |
| 80 04 09 1205 | | | .3 | 1 | 0.020 | 0.002 | 0.010 | 0.330 | 0.004 | 1.340 | 1.354 | 0.320 | 1.674 | 216.0 |
| 80 05 07 1210 | | | .3 | 1 | 0.022 | 0.006 | 0.015 | 0.370 | 0.005 | 1.400 | 1.420 | 0.355 | 1.775 | 278.0 |
| 80 06 03 1120 | | | .3 | 1 | 0.016 | 0.008 | 0.005 | 0.320 | 0.005 | 1.360 | 1.370 | 0.315 | 1.685 | 288.0 |
| 80 07 09 1140 | | | .3 | 1 | 0.019 | 0.007 | 0.005 | 0.310 | 0.003 | 1.460 | 1.468 | 0.305 | 1.773 | 295.0 |
| 80 08 06 1250 | | | .3 | 1 | 0.021 | 0.008 | 0.005 | 0.330 | 0.002 | 1.060 | 1.067 | 0.325 | 1.392 | 241.6 |
| 80 09 04 1200 | | | .3 | 1 | 0.026 | 0.006 | 0.005 | 0.280 | 0.001 | 1.140 | 1.146 | 0.275 | 1.421 | 282.4 |
| 80 10 08 1235 | | | .3 | 1 | 0.008 | 0.006 | 0.005 | 0.230 | 0.001 | 1.450 | 1.456 | 0.225 | 1.681 | 285.0 |
| 80 11 04 1415 | | | .3 | 1 | 0.008 | 0.003 | 0.005 | 0.210 | 0.002 | 1.730 | 1.737 | 0.205 | 1.942 | 283.2 |
| 80 12 17 1155 | | | .3 | 1 | 0.009 | 0.005 | 0.010 | 0.200 | 0.003 | 1.960 | 1.973 | 0.190 | 2.163 | 294.8 |
| MAXIMUM | | | | | 0.025 | 0.008 | 0.015 | 0.370 | 0.005 | 2.400 | 2.407 | 0.355 | 2.592 | 314.0 |
| ARITH MEAN | | | | | 0.013 | 0.005 | 0.007 | 0.254 | 0.003 | 1.629 | 1.639 | 0.247 | 1.886 | 277.8 |
| GEOM MEAN | | | | | 0.010 | 0.004 | 0.007 | 0.242 | 0.003 | 1.579 | 1.589 | 0.235 | 1.855 | 276.8 |
| MINIMUM | | | | | 0.002 | 0.002 | 0.005 | 0.140 | 0.001 | 1.060 | 1.067 | 0.130 | 1.392 | 216.0 |
| STD DEV | | | | | 0.008 | 0.002 | 0.003 | 0.079 | 0.002 | 0.431 | 0.431 | 0.078 | 0.388 | 25.7 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 07 1357 | | | .3 | 1 | 4.0 | 270.0 | 496.0 | 1.80 | 2.500 | 8.01 | 7.6 |
| 80 02 06 1130 | | | .3 | 1 | 3.0 | 279.0 | 500.0 | 0.70 | 2.500 | 8.01 | 8.7 |
| 80 03 04 1153 | | | .3 | 1 | 5.0 | 309.0 | 488.0 | 0.25 | 1.500 | 8.04 | 7.3 |
| 80 04 09 1205 | | | .3 | 1 | 7.5 | 244.000 | 375.0 | 1.40 | 2.000 | 8.06 | |
| 80 05 07 1210 | | | .3 | 1 | 3.5 | 274.5 | 462.0 | 0.10 | 2.000 | 8.19 | 7.7 |
| 80 06 03 1120 | | | .3 | 1 | 11.0 | 277.0 | 459.0 | 1.00 | 2.000 | 8.23 | |
| 80 07 09 1140 | | | .3 | 1 | 2.5 | 292.0 | 474 | 0.85 | 1.5 | 8.23 | 8.1 |
| 80 08 06 1250 | | | .3 | 1 | 2.8 | 238.8 | 476.0 | 0.70 | 2.500 | 8.27 | |
| 80 09 04 1200 | | | .3 | 1 | 0.1< | | 477.0 | 0.40 | 2.000 | 8.29 | |
| 80 10 08 1235 | | | .3 | 1 | 1.3 | 283.7 | 484.0 | 0.50 | 3.000 | 8.20 | |
| 80 11 04 1415 | | | .3 | 1 | 0.5 | 282.7 | 492.0 | 0.35 | 2.000 | 8.14 | 7.8 |
| 80 12 17 1155 | | | .3 | 1 | 4.1 | 290.7 | 505.0 | 0.65 | 2.500 | 7.94 | |
| MAXIMUM | | | | | 11.0 | 309.0 | 505.0 | 1.80 | 3.000 | 8.29 | 8.7 |
| ARITH MEAN | | | | | 3.8L | 276.4 | 474 | 0.72 | 2.1 | 8.13 | 7.9 |
| GEOM MEAN | | | | | 2.4L | 275.7 | 472 | 0.57 | 2.1 | 8.13 | 7.9 |
| MINIMUM | | | | | 0.1< | 238.8 | 375.0 | 0.10 | 1.500 | 7.94 | 7.3 |
| STD DEV | | | | | 3.0L | 20.2 | 34 | 0.49 | 0.4 | 0.12 | 0.5 |
| NO OF SAMPLES | | | | | 12 | 11 | 12 | 12 | 12 | 12 | 8 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

|  |  |  |
|---|---|---|
| B.O.W./ SITE: **BEAVER RIVER**<br>SAMPLE POINT: **AT COUNTY ROAD NO.8 OSPREY TOWNSHIP**<br>STATION TYPE: **RIVER** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE HURON**<br>TERM STREAM: **BEAVER RIVER** | STATION ID: **03-0036-008-02**<br>STORET CODE: **02**<br>**002**<br>**2250** |
| LAT: LONG: | U T M: **17 0550700.0 4909150.0 4** | REGION: **01** DISTANCE: **58.257** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 07 1410 | | | .3 | 1 | 30303 | 6 | 10I | 100 | 28 | 184 | 4< | 1.0 | 11.2 | 0.3 |
| 80 02 06 1135 | | | .3 | 1 | 30318 | 6 | 140 | 424 | 88 | 24 | 4< | 2.0 | 11.4 | 0.6 |
| 80 03 04 1205 | | | .3 | 1 | 30330 | 6 | 40 | 720 | 16 | 4< | 4< | 2.5 | 12.8 | 1.0 |
| 80 04 09 1220 | | | .3 | 1 | 30346 | | 120 | 1220 | 24 | 28 | 4< | | | 0.4 |
| 80 05 07 1220 | | | .3 | 1 | 30362 | 6 | 272 | 520 | 72 | 244 | 4< | 11.0 | 12.6 | 1.0 |
| 80 06 03 1140 | | | .3 | 1 | 30378 | 6 | 110 | 2700 | 48 | 12 | 4< | 11.8 | 13.2 | 0.7 |
| 80 07 09 1200 | | | .3 | 1 | 30394 | 6 8 | 1600 | 5400 | 312 | 128 | 4< | 12.8 | 9.0 | 0.1< |
| 80 08 06 1305 | | | .3 | 1 | 30410 | 6 8 | 1600 | 14000 | 208 | 600> | 4< | 15.4 | 8.7 | 0.8 |
| 80 09 04 1215 | | | .3 | 1 | 30425 | 6 | 260 | 1680 | 84 | 68 | 4< | 15.0 | 9.8 | 0.2 |
| 80 10 08 1255 | | | .3 | 1 | 30440 | 6 | 170 | 1120 | 24 | 4 | 4< | 10.0 | 10.8 | 0.6 |
| 80 11 04 1430 | | | .3 | 1 | 30455 | 6 | 200 | 1280 | 16 | 60 | 4< | 7.0 | 16.4 | 0.7 |
| 80 12 17 1159 | | | .3 | 1 | 30472 | 6 | 90I | 470 | 20 | 4< | 4< | 1.0 | 14.4 | 1.7 |
| MAXIMUM | | | | | | | 1600 | 14000 | 312 | 600> | 4 | 15.4 | 16.4 | 1.7 |
| ARITH MEAN | | | | | | | 384 | 2469 | 78 | 1138 | 4L | 8.1 | 11.8 | 0.7L |
| GEOM MEAN | | | | | | | 165 | 1133 | 48 | 378 | 4L | 5.5 | 11.6 | 0.6L |
| MINIMUM | | | | | | | 10 | 100 | 16 | 4< | 4< | 1.0 | 8.7 | 0.1< |
| STD DEV | | | | | | | 573 | 3904 | 92 | 1728 | 0L | 5.7 | 2.3 | 0.4L |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 12 | 11 | 11 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 07 1410 | | | .3 | 1 | 0.022 | 0.018 | 0.010 | 0.210 | 0.004 | 1.530 | 1.544 | 0.200 | 1.744 | 284.0 |
| 80 02 06 1135 | | | .3 | 1 | 0.031 | 0.016 | 0.010 | 0.240 | 0.003 | 1.640 | 1.653 | 0.230 | 1.883 | 294.0 |
| 80 03 04 1205 | | | .3 | 1 | 0.024 | 0.013 | 0.005 | 0.210 | 0.004 | 1.640 | 1.649 | 0.205 | 1.854 | 298.0 |
| 80 04 09 1220 | | | .3 | 1 | 0.029 | 0.005 | 0.010 | 0.380 | 0.003 | 0.400 | 0.413 | 0.370 | 0.783 | 184.0 |
| 80 05 07 1220 | | | .3 | 1 | 0.071 | 0.002 | 0.015 | 0.450 | 0.004 | 0.490 | 0.509 | 0.435 | 0.944 | 284.0 |
| 80 06 03 1140 | | | .3 | 1 | 0.040 | 0.003 | 0.010 | 0.350 | 0.003 | 0.500 | 0.513 | 0.340 | 0.853 | 290.0 |
| 80 07 09 1200 | | | .3 | 1 | 0.025 | 0.016 | 0.010 | 0.29 | 0.002 | 1.32 | 1.332 | 0.280 | 1.612 | 338 |
| 80 08 06 1305 | | | .3 | 1 | 0.042 | 0.019 | 0.010 | 0.440 | 0.002 | 1.240 | 1.252 | 0.430 | 1.682 | 286.6 |
| 80 09 04 1215 | | | .3 | 1 | 0.040 | 0.024 | 0.005 | 0.410 | 0.002 | 1.050 | 1.057 | 0.405 | 1.462 | 290.6 |
| 80 10 08 1255 | | | .3 | 1 | 0.031 | 0.022 | 0.005 | 0.340 | 0.001 | 0.490 | 0.496 | 0.335 | 0.831 | 261.6 |
| 80 11 04 1430 | | | .3 | 1 | 0.017 | 0.008 | 0.005 | 0.260 | 0.001 | 1.160 | 1.166 | 0.255 | 1.421 | 243.6 |
| 80 12 17 1159 | | | .3 | 1 | 0.025 | 0.015 | 0.010 | 0.290 | 0.004 | 1.300 | 1.314 | 0.280 | 1.594 | 299.4 |
| MAXIMUM | | | | | 0.071 | 0.024 | 0.015 | 0.450 | 0.004 | 1.640 | 1.653 | 0.435 | 1.883 | 338 |
| ARITH MEAN | | | | | 0.033 | 0.013 | 0.009 | 0.32 | 0.003 | 1.08 | 1.075 | 0.314 | 1.389 | 279 |
| GEOM MEAN | | | | | 0.031 | 0.011 | 0.008 | 0.31 | 0.002 | 0.94 | 0.959 | 0.303 | 1.323 | 276 |
| MINIMUM | | | | | 0.017 | 0.002 | 0.005 | 0.210 | 0.001 | 0.400 | 0.413 | 0.200 | 0.783 | 184.0 |
| STD DEV | | | | | 0.014 | 0.007 | 0.003 | 0.08 | 0.001 | 0.47 | 0.473 | 0.084 | 0.419 | 37 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 07 1410 | | | .3 | 1 | 0.5 | 283.5 | 510.0 | 0.60 | 4.000 | 7.97 | 7.7 |
| 80 02 06 1135 | | | .3 | 1 | 22.0 | 272.0 | 505.0 | 3.60 | 4.500 | 7.97 | 8.8 |
| 80 03 04 1205 | | | .3 | 1 | 5.5 | 292.0 | 498.0 | 0.65 | 4.500 | 8.06 | 7.5 |
| 80 04 09 1220 | | | .3 | 1 | 6.5 | 204.000 | 314.0 | 1.50 | 3.000 | 8.00 | |
| 80 05 07 1220 | | | .3 | 1 | 3.0 | 281.0 | 454.0 | 0.10 | 4.000 | 8.13 | 7.7 |
| 80 06 03 1140 | | | .3 | 1 | 3.0 | 287.0 | 466.0 | 0.95 | 3.500 | 8.08 | |
| 80 07 09 1200 | | | .3 | 1 | 10.6 | 327 | 490 | 1.9 | 5.0 | 7.99 | 8.2 |
| 80 08 06 1305 | | | .3 | 1 | 7.5 | 279.1 | 488.0 | 1.00 | 5.500 | 7.95 | |
| 80 09 04 1215 | | | .3 | 1 | 1.1 | 289.5 | 480.0 | 0.40 | 5.000 | 8.13 | |
| 80 10 08 1255 | | | .3 | 1 | 2.8 | 258.8 | 436.0 | 0.50 | 4.000 | 8.22 | |
| 80 11 04 1430 | | | .3 | 1 | 3.4 | 240.2 | 482.0 | 0.70 | 5.000 | 8.00 | 7.8 |
| 80 12 17 1159 | | | .3 | 1 | 5.2 | 294.2 | 479.0 | 0.60 | 5.000 | 7.86 | |
| MAXIMUM | | | | | 22.0 | 327 | 510.0 | 3.60 | 5.500 | 8.22 | 8.8 |
| ARITH MEAN | | | | | 6.9 | 275 | 466 | 1.0 | 4.4 | 8.03 | 7.9 |
| GEOM MEAN | | | | | 4.0 | 273 | 463 | 0.7 | 4.3 | 8.03 | 7.9 |
| MINIMUM | | | | | 0.5 | 204.000 | 314.0 | 0.10 | 3.000 | 7.86 | 7.5 |
| STD DEV | | | | | 5.8 | 30 | 52 | 0.9 | 0.7 | 0.10 | 0.5 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 6 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **BEAVER RIVER**
SAMPLE POINT: **AT COUNTY ROAD NO.30 SOUTH OF KIMBERLEY**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **BEAVER RIVER**

STATION ID: **03-0036-009-02**

STORET CODE: **02**
**002**
**2250**

LAT:
LONG:
UTM: **17 0536700.0 4910200.0 4**
REGION: **01**
DISTANCE: **37.175**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 07 1445 | | | .3 | 1 | 30304 | 6 | 50I | 200 | 10< | 10< | 4< | 1.5 | 10.6 | 0.2 |
| 80 02 06 1020 | | | .3 | 1 | 30314 | 6 | 28 | 178 | 4< | 4< | 4< | 2.0 | 10.6 | 0.6 |
| 80 03 04 1045 | | | .3 | 1 | 30326 | 6 | 80 | 168 | 12 | 4< | 4< | 2.0 | 11.8 | 0.8 |
| 80 04 09 1100 | | | .3 | 1 | 30342 | 3 | 50I | 380 | 4 | 40 | 4< | 7.0 | 12.0 | 0.4 |
| 80 05 07 1130 | | | .3 | 1 | 30359 | 3 | 220 | 700 | 8 | 4< | 4< | 11.8 | 12.0 | 0.9 |
| 80 06 03 1015 | | | .3 | 1 | 30375 | 6 | 480C | 2900 | 4 | 12 | 4< | 15.3 | 11.3 | 1.2 |
| 80 07 09 1045 | | | .3 | 1 | 30391 | 6 | 310C | 3200 | 40 | 44 | 4< | 18.3 | 8.7 | 0.1< |
| 80 08 06 1145 | | | .3 | 1 | 30407 | 6 | 1100 | 8000 | 4 | 16 | 4< | 23.6 | 8.2 | 0.8 |
| 80 09 04 1120 | | | .3 | 1 | 30422 | 6 | 1900 | 3800 | 32 | 44 | 4< | 20.5 | 9.8 | 0.5 |
| 80 10 08 1340 | | | .3 | 1 | 30441 | 6 | 280 | 1670 | 12 | 40 | 4< | 13.0 | 10.8 | |
| 80 11 04 1300 | | | .3 | 1 | 30457 | 6 | 130 | 1470 | 28 | 440 | 4< | 6.0 | 16.8 | 0.8 |
| 80 12 17 1240 | | | .3 | 1 | 30473 | 6 | 30I | 240 | 4 | 20I | 4< | 0.3 | 15.3 | 1.5 |
| MAXIMUM | | | | | | | 1900 | 8000 | 40 | 440 | 4 | 23.6 | 16.8 | 1.5 |
| ARITH MEAN | | | | | | | 388 | 1909 | 13L | 56L | 4L | 10.1 | 11.5 | 0.7L |
| GEOM MEAN | | | | | | | 165 | 895 | 9L | 20L | 4L | 5.8 | 11.3 | 0.8L |
| MINIMUM | | | | | | | 28 | 168 | 4< | 4< | 4< | 0.3 | 8.2 | 0.1< |
| STD DEV | | | | | | | 564 | 2318 | 13L | 122L | 0L | 8.1 | 2.5 | 0.4L |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 11 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 07 1445 | | | .3 | 1 | 0.008 | 0.001 | 0.015 | 0.270 | 0.002 | 1.710 | 1.727 | 0.255 | 1.982 | 300.00 |
| 80 02 06 1020 | | | .3 | 1 | 0.004 | 0.001< | 0.025 | 0.280 | 0.003 | 1.410 | 1.438 | 0.255 | 1.693 | 306.00 |
| 80 03 04 1045 | | | .3 | 1 | 0.009 | 0.004 | 0.025 | 0.300 | 0.007 | 1.580 | 1.612 | 0.275 | 1.887 | 324.00 |
| 80 04 09 1100 | | | .3 | 1 | 0.013 | 0.003 | 0.005 | 0.280 | 0.003 | 0.990 | 0.998 | 0.275 | 1.273 | 226.00 |
| 80 05 07 1130 | | | .3 | 1 | 0.018 | 0.001 | 0.015 | 0.310 | 0.002 | 0.850 | 0.867 | 0.295 | 1.162 | 234.00 |
| 80 06 03 1015 | | | .3 | 1 | 0.008 | 0.001 | 0.020 | 0.320 | 0.004 | 0.560 | 0.584 | 0.300 | 0.884 | 226.00 |
| 80 07 09 1045 | | | .3 | 1 | 0.009 | 0.001 | 0.020 | 0.300 | 0.003 | 0.400 | 0.423 | 0.280 | 0.703 | 253.00 |
| 80 08 06 1145 | | | .3 | 1 | 0.011 | 0.001 | 0.015 | 0.360 | 0.003 | 0.190 | 0.208 | 0.345 | 0.553 | 145.6 |
| 80 09 04 1120 | | | .3 | 1 | 0.011 | 0.001 | 0.020 | 0.360 | 0.002 | 0.170 | 0.192 | 0.340 | 0.532 | 204.00 |
| 80 10 08 1340 | | | .3 | 1 | 0.005 | 0.001 | 0.020 | 0.350 | 0.001 | 0.240 | 0.261 | 0.330 | 0.591 | 222.20 |
| 80 11 04 1300 | | | .3 | 1 | 0.009 | 0.001 | 0.005 | 0.280 | 0.002 | 0.410 | 0.417 | 0.275 | 0.692 | 180.80 |
| 80 12 17 1240 | | | .3 | 1 | 0.010 | 0.002 | 0.010 | 0.320 | 0.002 | 0.740 | 0.752 | 0.310 | 1.062 | 264.00 |
| MAXIMUM | | | | | 0.018 | 0.004 | 0.025 | 0.360 | 0.007 | 1.710 | 1.727 | 0.345 | 1.982 | 324.00 |
| ARITH MEAN | | | | | 0.010 | 0.001L | 0.016 | 0.311 | 0.003 | 0.771 | 0.790 | 0.295 | 1.084 | 240.4 |
| GEOM MEAN | | | | | 0.009 | 0.001L | 0.014 | 0.309 | 0.003 | 0.587 | 0.613 | 0.293 | 0.976 | 234.9 |
| MINIMUM | | | | | 0.004 | 0.001< | 0.005 | 0.270 | 0.001 | 0.170 | 0.192 | 0.255 | 0.532 | 145.6 |
| STD DEV | | | | | 0.004 | 0.001L | 0.007 | 0.032 | 0.002 | 0.547 | 0.549 | 0.031 | 0.526 | 52.4 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | SIO3UR | ACDT | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | SILICATE UNF.REAC MG/L AS SI | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH |
| 80 01 07 1445 | | | .3 | 1 | 2.00 | 298.00 | 518.0 | 2.40 | 4.000 | 16.000 | 2.320 | 9.800 | 262 | 8.10 |
| 80 02 06 1020 | | | .3 | 1 | 3.50 | 302.00 | 490.0 | 2.20 | 6.500 | 14.500 | 2.240 | 6.000 | 245.0 | 8.13 |
| 80 03 04 1045 | | | .3 | 1 | 0.50< | | 505.0 | 0.70 | 6.000 | 13.000 | 2.360 | 26.300 | 249.0 | 8.10 |
| 80 04 09 1100 | | | .3 | 1 | 6.00 | 253.500 | 390.0 | 1.00 | 5.500 | 10.500 | 1.680 | 0.000 | 193.0 | 8.36 |
| 80 05 07 1130 | | | .3 | 1 | 6.00 | 228.00 | 416.0 | 1.00 | 5.000 | 10.500 | 0.960 | 0.000 | 211.0 | 8.43 |
| 80 06 03 1015 | | | .3 | 1 | 6.00 | 220.00 | 402.0 | 1.00 | 5.500 | 11.000 | 1.780 | 0.000 | 208.0 | 8.47 |
| 80 07 09 1045 | | | .3 | 1 | 2.00 | 256.000 | 392.0 | 1.10 | 5.500 | 10.000 | 1.220 | 0.000 | 200.0 | 8.45 |
| 80 08 06 1145 | | | .3 | 1 | 1.8 | 143.8 | 357 | 1.00 | 5.5 | 9.0 | 1.26 | 0.0 | 182 | 8.50 |
| 80 09 04 1120 | | | .3 | 1 | 0.90 | 203.10 | 352.0 | 0.90 | 5.500 | 7.500 | 1.760 | 5.800 | 180.0 | 8.28 |
| 80 10 08 1340 | | | .3 | 1 | 1.60 | 2405.000 | 370.0 | 0.65 | 5.000 | 8.500 | 1.840 | 0.000 | 189.0 | 8.45 |
| 80 11 04 1300 | | | .3 | 1 | 3.50 | 257.000 | 396.0 | 1.50 | 6.000 | 9.000 | 1.320 | | 201.0 | 8.35 |
| 80 12 17 1240 | | | .3 | 1 | 5.20 | 258.80 | 438.0 | 1.40 | 6.000 | 11.000 | 1.540 | 7.800 | 224.0 | 8.25 |
| MAXIMUM | | | | | 6.00 | 2405.000 | 518.0 | 2.40 | 6.500 | 16.000 | 2.360 | 26.300 | 262 | 8.50 |
| ARITH MEAN | | | | | 3.2 L | 438.6 | 418 | 1.24 | 5.6 | 10.8 | 1.69 | 5.0 | 212 | 8.32 |
| GEOM MEAN | | | | | 2.5 L | 293.0 | 415 | 1.14 | 5.4 | 10.6 | 1.63 | 2.7 | 210 | 8.32 |
| MINIMUM | | | | | 0.50< | 143.8 | 352.0 | 0.65 | 4.000 | 7.500 | 0.960 | 0.000 | 180.0 | 8.10 |
| STD DEV | | | | | 2.0 L | 663.6 | 57 | 0.55 | 0.6 | 2.5 | 0.45 | 7.9 | 27 | 0.15 |
| NO OF SAMPLES | | | | | 12 | 11 | 12 | 12 | 12 | 12 | 12 | 11 | 12 | 12 |

| TEST-NAME: | | | | | FWPH | PHNOL | FEUT | HARDT | CAUR | MGUR | COLAP | KKUR | NAUR | COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O |
| 80 01 07 1445 | | | .3 | 1 | 8.0 | 1.000< | 0.160 | 273.000 | 68.500 | 24.600 | 11.000 | 0.75 | 2.000 | 10 |
| 80 02 06 1020 | | | .3 | 1 | 8.2 | 1.000< | 0.270 | 263.000 | 62.500 | 26.000 | 12.000 | 0.85 | 2.800 | |
| 80 03 04 1045 | | | .3 | 1 | 7.5 | 1.000< | 0.040 | 277.000 | 67.000 | 26.600 | 9.000 | 1.00 | 2.600 | |
| 80 04 09 1100 | | | .3 | 1 | | 1.000< | 0.120 | 206.000 | 51.000 | 19.000 | 13.000 | 0.85 | 2.500 | |
| 80 05 07 1130 | | | .3 | 1 | 7.9 | 1.000 | 0.090 | | 53.500 | 22.000 | 16.000 | 0.90 | 2.500 | |
| 80 06 03 1015 | | | .3 | 1 | | 1.000< | 0.050 | | 51.000 | 22.600 | 13.000 | 0.90 | 2.400 | |
| 80 07 09 1045 | | | .3 | 1 | 8.4 | 1.000< | 0.060 | 213.000 | 45.000 | 24.400 | 1.000< | 0.80 | 2.900 | |
| 80 08 06 1145 | | | .3 | 1 | | 1.0 < | 0.040 | 197.0 | 39.50 | 23.80 | 13 | 0.75 | 2.60 | |
| 80 09 04 1120 | | | .3 | 1 | | 1.000< | 0.070 | 194.000 | 39.000 | 23.400 | 16.000 | 0.90 | 2.500 | |
| 80 10 08 1340 | | | .3 | 1 | 8.1 | | 0.070 | 193.000 | 41.000 | 22.000 | 11.000 | 1.10 | 2.700 | |
| 80 11 04 1300 | | | .3 | 1 | 8.4 | 1.000< | 0.140 | 215.000 | 47.500 | 23.400 | 19.000 | 1.10 | 2.800 | |
| 80 12 17 1240 | | | .3 | 1 | | 1.000< | 0.080 | 238.000 | 55.500 | 24.000 | 12.000 | 0.85 | 3.200 | |
| MAXIMUM | | | | | 8.4 | 1.000 | 0.270 | 277.000 | 68.500 | 26.600 | 19.000 | 1.10 | 3.200 | 10 |
| ARITH MEAN | | | | | 8.1 | 1.0 L | 0.099 | 226.9 | 51.75 | 23.48 | 12 L | 0.90 | 2.62 | 10 |
| GEOM MEAN | | | | | 8.1 | 1.0 L | 0.084 | 224.7 | 50.85 | 23.40 | 10 L | 0.89 | 2.60 | |
| MINIMUM | | | | | 7.5 | 1.000< | 0.040 | 193.000 | 39.000 | 19.000 | 1.000< | 0.75 | 2.000 | 10 |
| STD DEV | | | | | 0.3 | 0.0 L | 0.068 | 33.2 | 10.17 | 1.99 | 4 L | 0.12 | 0.29 | |
| NO OF SAMPLES | | | | | 7 | 11 | 12 | 10 | 12 | 12 | 12 | 12 | 12 | 1 |

SAMPLE INFORMATION SYSTEM
1980 WATER QUALITY DATA
DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **SILVER CREEK**
SAMPLE POINT: **AT HIGHWAY NO 26 COLLINGWOOD**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SILVER CREEK**

STATION ID: **03-0047-001-02**
STORET CODE: **02**
**002**
**2340**

LAT:
LONG:
U T M: **17 0557750.0 4929550.0 4**
REGION: **03**
DISTANCE: **[illegible]**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE: SAMPLE NUMBER | FWSTRC: STREAM COND. | TCMF: COLIFORM TOTAL MF CNT /100ML | TCMFBK: COLIFORM TOTAL MF BCKGRD CNT /100ML | FCMF: FECAL COLIFORM MF CNT /100ML | FSMF: FECAL STREPCUS MF CNT /100ML | FWTEMP: WATER TEMP DEG.C | DO: DISOLVED OXYGEN MG/L AS O | BOD5: BOD 5 DAY TOT.DEM. MG/L AS O | PPUT: PHOSPHOR UNF.TOT. MG/L AS P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 16 1255 | | | .3 | 1 | 22057 | 6 | 120 | 950 | 28 | 28 | 1.0 | 12.3 | 0.2 | 0.010 |
| 80 02 20 1425 | | | .3 | 1 | 22129 | 4 | 170 | 530 | 100I | 24 | 0.0 | 11.1 | 0.2 | 0.021 |
| 80 03 19 1435 | | | .3 | 1 | 22176 | 6 | 2400 | 15000 | 230 | 630 | 3.0 | 10.5 | 2.4 | 0.235 |
| 80 04 16 1350 | | | .3 | 1 | 22228 | 6 | 20I | 440 | 10< | 10< | 3.2 | 11.3 | 0.2 | 0.034 |
| 80 05 23 1350 | | | .3 | 1 | 22278 | 6 | 30C | 6900 | 28 | 332 | 19.0 | 8.9 | | |
| 80 06 25 1330 | | | .3 | 1 | 22328 | 6 | 2100 | 12000 | 780 | 160 | 20.1 | 7.7 | 0.4 | 0.019 |
| 80 07 23 1340 | | | .3 | 1 | 22368 | 6 | | | | | 20.1 | 7.5 | 0.2 | 0.022 |
| 80 08 14 1345 | | | .3 | 1 | 22428 | 6 | 8300 | 17000 | 1500> | 860 | 19.8 | 9.1 | | |
| 80 09 25 1410 | | | .3 | 1 | 22478 | 6 | | | | | 12.6 | 9.6 | 0.3 | 0.013 |
| 80 10 23 1410 | | | .3 | 1 | 22528 | 6 | 480 | 5800 | 300I | 380 | 5.1 | 11.1 | | |
| 80 11 24 1210 | | | .3 | 1 | 22544 | 6 | 260 | 2400 | 20I | 40I | 3.8 | 10.8 | 0.2 | 0.026 |
| 80 12 16 1240 | | | .3 | 1 | 22601 | 8 | 220 | 2600 | 10< | 40I | | | 0.9 | 0.084 |
| MAXIMUM | | | | | | | 8300 | 17000 | 1500> | 860 | 20.1 | 12.3 | 2.4 | 0.235 |
| ARITH MEAN | | | | | | | 1410 | 6362 | 301B | 250L | 9.8 | 10.0 | 0.6 | 0.052 |
| GEOM MEAN | | | | | | | 327 | 3333 | 81B | 102L | 6.0 | 9.9 | 0.4 | 0.030 |
| MINIMUM | | | | | | | 20 | 440 | 10< | 10< | 0.0 | 7.5 | 0.2 | 0.010 |
| STD DEV | | | | | | | 2673 | 6222 | 484B | 297L | 8.5 | 1.5 | 0.7 | 0.072 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 11 | 11 | 9 | 9 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PPO4FR: PO4 FIL.REAC MG/L AS P | NNHTFR: NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR: K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR: NO2-N FIL.REAC MG/L AS N | NNO3FR: NO3-N FIL.REAC MG/L AS N | NNTIFR: ORG N TOTAL FIL.REAC MG/L | NNKUR: KJELDAHL ORGANIC UNF.REAC MG/L | NNKI: TOTAL N MG/L AS N | RST: RESIDUE TOTAL MG/L | RSP: RESIDUE PARTIC. MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 16 1255 | | | .3 | 1 | 0.006 | 0.018 | 0.190 | 0.003 | 0.822 | 0.843 | 0.172 | 1.015 | 289.0 | 13.0 |
| 80 02 20 1425 | | | .3 | 1 | 0.008 | 0.012 | 0.170 | 0.004 | 1.100 | 1.116 | 0.158 | 1.274 | 285.0 | 24.0 |
| 80 03 19 1435 | | | .3 | 1 | 0.026 | 0.242 | 1.080 | 0.009 | 0.616 | 0.867 | 0.838 | 1.705 | 460.0 | 201.0 |
| 80 04 16 1350 | | | .3 | 1 | 0.018 | 0.020 | 0.190 | 0.005 | 0.575 | 0.600 | 0.170 | 0.770 | 288.0 | 12.0 |
| 80 06 25 1330 | | | .3 | 1 | 0.003 | 0.018 | 0.220 | 0.003 | 0.462 | 0.483 | 0.202 | 0.685 | 260.0 | 10.0 |
| 80 07 23 1340 | | | .3 | 1 | 0.008 | 0.012 | 0.240 | 0.004 | 0.376 | 0.392 | 0.228 | 0.620 | 284.0 | 11.0 |
| 80 09 25 1410 | | | .3 | 1 | 0.002 | 0.044 | 0.190 | 0.002 | 0.473 | 0.519 | 0.146 | 0.665 | 287.0 | 32.0 |
| 80 11 24 1210 | | | .3 | 1 | 0.020 | 0.010 | 0.160 | 0.002 | 0.593 | 0.605 | 0.150 | 0.755 | 292.0 | 4.0 |
| 80 12 16 1240 | | | .3 | 1 | 0.024 | 0.034 | 0.310 | 0.003 | 0.707 | 0.744 | 0.276 | 1.020 | 324.0 | 36.0 |
| MAXIMUM | | | | | 0.026 | 0.242 | 1.080 | 0.009 | 1.100 | 1.116 | 0.838 | 1.705 | 460.0 | 201.0 |
| ARITH MEAN | | | | | 0.013 | 0.046 | 0.306 | 0.004 | 0.636 | 0.685 | 0.260 | 0.945 | 307.7 | 38.1 |
| GEOM MEAN | | | | | 0.009 | 0.025 | 0.246 | 0.003 | 0.606 | 0.653 | 0.217 | 0.895 | 303.5 | 19.4 |
| MINIMUM | | | | | 0.002 | 0.010 | 0.160 | 0.002 | 0.376 | 0.392 | 0.146 | 0.620 | 260.0 | 4.0 |
| STD DEV | | | | | 0.009 | 0.075 | 0.294 | 0.002 | 0.219 | 0.228 | 0.221 | 0.356 | 59.4 | 62.0 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COND25: CONDUCT. 25C UMHO/CM AT 25 C | TURB: TURB'ITY FTU | CLIDUR: CHLORIDE UNF.REAC MG/L AS CL | PH: PH | FWPH: PH FIELD | ALUT: ALUMINUM UNF.TOT. MG/L AS AL | CRUT: CHROMIUM UNF.TOT. MG/L AS CR | CUUT: COPPER UNF.TOT. MG/L AS CU | PBUT: LEAD UNF.TOT. MG/L AS PB | CDUT: CADMIUM UNF.TOT. MG/L AS CD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 16 1255 | | | .3 | 1 | 470.0 | 5.30 | 4.450 | 8.23 | 8.2 | | | | | |
| 80 02 20 1425 | | | .3 | 1 | 450.0 | 5.90 | 4.250 | 8.27 | 7.8 | | | | | |
| 80 03 19 1435 | | | .3 | 1 | 435.0 | 52.00 | 11.000 | 8.09 | 7.6 | | | | | |
| 80 04 16 1350 | | | .3 | 1 | 425.0 | 18.00 | 6.250 | 8.33 | 7.5 | | | | | |
| 80 05 23 1350 | | | .3 | 1 | | | | | | 0.080 | 0.020< | 0.010< | 0.030< | 0.005< |
| 80 06 25 1330 | | | .3 | 1 | 385 | 4.6 | 3.0 | 8.47 | 7.9 | | | | | |
| 80 07 23 1340 | | | .3 | 1 | 420.0 | 7.30 | 5.400 | 8.36 | 7.8 | | | | | |
| 80 08 14 1345 | | | .3 | 1 | | | | | 8.0 | | | | | |
| 80 09 25 1410 | | | .3 | 1 | 425.0 | 3.10 | 4.700 | 8.20 | | | | | | |
| 80 10 23 1410 | | | .3 | 1 | | | | | 8.0 | | | | | |
| 80 11 24 1210 | | | .3 | 1 | 495.0 | 3.60 | 5.850 | 8.39 | 7.5 | | | | | |
| 80 12 16 1240 | | | .3 | 1 | 490.0 | 5.10 | 4.650 | 8.17 | | | | | | |
| MAXIMUM | | | | | 495.0 | 52.00 | 11.000 | 8.47 | 8.2 | 0.080 | 0.020 | 0.010 | 0.030 | 0.005 |
| ARITH MEAN | | | | | 443 | 11.6 | 5.5 | 8.28 | 7.8 | 0.080 | 0.020L | 0.010L | 0.030L | 0.005L |
| GEOM MEAN | | | | | 442 | 7.2 | 5.1 | 8.28 | 7.8 | | | | | |
| MINIMUM | | | | | 385 | 3.10 | 3.0 | 8.09 | 7.5 | 0.080 | 0.020< | 0.010< | 0.030< | 0.005< |
| STD DEV | | | | | 35 | 15.7 | 2.2 | 0.12 | 0.2 | | | | | |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | 1 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ZNUT: ZINC UNF.TOT. MG/L AS ZN | NIUT: NICKEL UNF.TOT. MG/L AS NI | COUT: COBALT UNF.TOT. MG/L AS CO |
|---|---|---|---|---|---|---|---|
| 80 05 23 1350 | | | .3 | 1 | 0.010< | 0.020< | 0.020< |
| MAXIMUM | | | | | 0.010 | 0.020 | 0.020 |
| ARITH MEAN | | | | | 0.010L | 0.020L | 0.020L |
| GEOM MEAN | | | | | | | |
| MINIMUM | | | | | 0.010< | 0.020< | 0.020< |
| STD DEV | | | | | | | |
| NO OF SAMPLES | | | | | 1 | 1 | 1 |

B.O.W./SITE: **PRETTY RIVER**
SAMPLE POINT: **AT PARKWAY BRIDGE COLLINGWOOD**
STATION TYPE: **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **PRETTY RIVER**

STATION ID: **03-0053-001-02**
STORET CODE **02**
**002**
**2430**

LAT
LONG
U T M: **17 0563999.0 4927875.0 4**
REGION: **03**
DISTANCE: **0.403**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 16 1315 | | | .3 | 1 | 22058 | 6 | 260 | 570 | 12 | 40 | 0.0 | 14.9 | 0.2 | 0.019 |
| 80 02 20 1445 | | | .3 | 1 | 22130 | 4 | 60I | 30 | 4 | 4 | 0.0 | 10.2 | 0.2 | 0.013 |
| 80 03 19 1500 | | | .3 | 1 | 22177 | 6 | 1500 | 17000 | 10< | 560 | 0.5 | 10.8 | 0.6 | 0.193 |
| 80 04 16 1415 | | | .3 | 1 | 22229 | 6 | 40I | 320 | 10< | 10I | 3.5 | 11.5 | 0.2 | 0.043 |
| 80 05 23 1415 | | | .3 | 1 | 22279 | 6 | 10< | 1500 | 4< | 8 | 22.0 | 8.5 | | |
| 80 06 25 1350 | | | .3 | 1 | 22329 | 6 | 92C | 2400 | 76 | 52 | 24.9 | 7.3 | 0.2 | 0.007 |
| 80 07 23 1400 | | | .3 | 1 | 22369 | 6 | | | | | 22.5 | 6.8 | 0.6 | 0.022 |
| 80 08 14 1405 | | | .3 | 1 | 22429 | 6 | 140C | 5150 | 110 | 1500> | 22.0 | 8.0 | | |
| 80 09 25 1430 | | | .3 | 1 | 22479 | 6 | | | | | 13.1 | 9.6 | 0.3 | 0.007 |
| 80 10 23 1430 | | | .3 | 1 | 22529 | 6 | 50I | 2800 | 10< | 30I | 7.3 | 11.0 | | |
| 80 11 24 1225 | | | .3 | 1 | 22545 | 6 | 520 | 2700 | 24 | 28 | 3.9 | 10.4 | 0.2< | 0.033 |
| 80 12 16 1300 | | | .3 | 1 | 22602 | 8 | 260 | 3400 | 20 | 16 | | | 1.0 | 0.006 |
| MAXIMUM | | | | | | | 1500 | 17000 | 110 | 1500> | 24.9 | 14.9 | 1.0 | 0.193 |
| ARITH MEAN | | | | | | | 293L | 3587 | 28L | 225G | 10.9 | 9.9 | 0.4L | 0.038 |
| GEOM MEAN | | | | | | | 123L | 1461 | 15L | 39G | 5.6 | 9.7 | 0.3L | 0.020 |
| MINIMUM | | | | | | | 10< | 30 | 4< | 4 | 0.0 | 6.8 | 0.2< | 0.006 |
| STD DEV | | | | | | | 461L | 4968 | 36L | 479G | 10.2 | 2.3 | 0.3L | 0.059 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 11 | 11 | 9 | 9 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 16 1315 | | | .3 | 1 | 0.005 | 0.018 | 0.180 | 0.004 | 1.200 | 1.222 | 0.162 | 1.384 | 302.0 | 19.0 |
| 80 02 20 1445 | | | .3 | 1 | 0.012 | 0.008 | 0.120 | 0.002 | 1.150 | 1.160 | 0.112 | 1.272 | 295.0 | 8.0 |
| 80 03 19 1500 | | | .3 | 1 | 0.030 | 0.048 | 0.530 | 0.012 | 1.040 | 1.100 | 0.482 | 1.582 | 468.0 | 221.0 |
| 80 04 16 1415 | | | .3 | 1 | 0.009 | 0.008 | 0.230 | 0.003 | 1.100 | 1.111 | 0.222 | 1.333 | 310.0 | 32.0 |
| 80 06 25 1350 | | | .3 | 1 | 0.001 | 0.012 | 0.220 | 0.005 | 0.475 | 0.492 | 0.208 | 0.700 | 254.0 | 4.0 |
| 80 07 23 1400 | | | .3 | 1 | 0.007 | 0.006 | 0.220 | 0.008 | 0.872 | 0.886 | 0.214 | 1.100 | 327.0 | 18.0 |
| 80 09 25 1430 | | | .3 | 1 | 0.001 | 0.022 | 0.200 | 0.003 | 0.767 | 0.792 | 0.178 | 0.970 | 295.0 | 7.0 |
| 80 11 24 1225 | | | .3 | 1 | 0.033 | 0.006 | 0.200 | 0.002 | 0.803 | 0.811 | 0.194 | 1.005 | 311.0 | 3.0 |
| 80 12 16 1300 | | | .3 | 1 | 0.001 | 0.014 | 0.180 | 0.006 | 1.240 | 1.260 | 0.166 | 1.426 | 312.0 | 6.0 |
| MAXIMUM | | | | | 0.033 | 0.048 | 0.530 | 0.012 | 1.240 | 1.260 | 0.482 | 1.582 | 468.0 | 221.0 |
| ARITH MEAN | | | | | 0.011 | 0.016 | 0.231 | 0.005 | 0.961 | 0.982 | 0.215 | 1.197 | 319.3 | 35.3 |
| GEOM MEAN | | | | | 0.005 | 0.012 | 0.213 | 0.004 | 0.926 | 0.947 | 0.199 | 1.166 | 315.2 | 12.9 |
| MINIMUM | | | | | 0.001 | 0.006 | 0.120 | 0.002 | 0.475 | 0.492 | 0.112 | 0.700 | 254.0 | 3.0 |
| STD DEV | | | | | 0.012 | 0.013 | 0.117 | 0.003 | 0.251 | 0.253 | 0.106 | 0.275 | 59.3 | 70.3 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | PH | FWPH | ALUT | CRUT | CUUT | PBUT | CDUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD |
| 80 01 16 1315 | | | .3 | 1 | 485.0 | 7.40 | 5.900 | 8.19 | 8.1 | | | | | |
| 80 02 20 1445 | | | .3 | 1 | 475.0 | 5.30 | 4.950 | 8.02 | 7.7 | | | | | |
| 80 03 19 1500 | | | .3 | 1 | 380.0 | 73.00 | 5.700 | 8.10 | 7.6 | | | | | |
| 80 04 16 1415 | | | .3 | 1 | 450.0 | 3.50 | 6.650 | 8.34 | 7.6 | | | | | |
| 80 05 23 1415 | | | .3 | 1 | | | | | 7.9 | 0.020< | 0.020< | 0.010< | 0.030< | 0.005< |
| 80 06 25 1350 | | | .3 | 1 | 385 | 2.4 | 4.55 | 8.46 | 7.9 | | | | | |
| 80 07 23 1400 | | | .3 | 1 | 475.0 | 12.00 | 8.050 | 8.36 | 7.9 | | | | | |
| 80 08 14 1405 | | | .3 | 1 | | | | | 7.9 | | | | | |
| 80 09 25 1430 | | | .3 | 1 | 470.0 | 3.50 | 6.950 | 8.09 | | | | | | |
| 80 10 23 1430 | | | .3 | 1 | | | | | 8.1 | | | | | |
| 80 11 24 1225 | | | .3 | 1 | 495.0 | 2.50 | 7.300 | 8.40 | 7.5 | | | | | |
| 80 12 16 1300 | | | .3 | 1 | 540.0 | 4.50 | 6.850 | 8.05 | | | | | | |
| MAXIMUM | | | | | 540.0 | 73.00 | 8.050 | 8.46 | 8.1 | 0.020 | 0.020 | 0.010 | 0.030 | 0.005 |
| ARITH MEAN | | | | | 461 | 12.6 | 6.32 | 8.22 | 7.8 | 0.020L | 0.020L | 0.010L | 0.030L | 0.005L |
| GEOM MEAN | | | | | 459 | 6.0 | 6.22 | 8.22 | 7.8 | | | | | |
| MINIMUM | | | | | 380.0 | 2.4 | 4.55 | 8.02 | 7.5 | 0.020< | 0.020< | 0.010< | 0.030< | 0.005< |
| STD DEV | | | | | 51 | 22.8 | 1.13 | 0.17 | 0.2 | | | | | |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 10 | 1 | 1 | 1 | 1 | 1 |

| TEST-NAME: | | | | | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 05 23 1415 | | | .3 | 1 | 0.010< | 0.020< | 0.020< |
| MAXIMUM | | | | | 0.010 | 0.020 | 0.020 |
| ARITH MEAN | | | | | 0.010L | 0.020L | 0.020L |
| GEOM MEAN | | | | | | | |
| MINIMUM | | | | | 0.010< | 0.020< | 0.020< |
| STD DEV | | | | | | | |
| NO OF SAMPLES | | | | | 1 | 1 | 1 |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./SITE: **BATTEAUX RIVER**
SAMPLE POINT: **AT HIGHWAY 26 COLLINGWOOD**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **BATTEAUX RIVER**

STATION ID: **03-0054-001-02**
STORET CODE: **02**
**002**
**2430**

LAT: LONG: U T M: **17 0566250.0 4926200.0 4** REGION: **03** DISTANCE: **0.322**

| | | | | TEST-NAME: | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 16 1330 | | | .3 | 1 | 22059 | 6 | 440 | 1750 | 150 | 1500> | 0.0 | 14.9 | 0.2 | 0.028 |
| 80 02 20 1500 | | | .3 | 1 | 22131 | 4 | 340 | 600 | 90I | 180I | 0.0 | 11.2 | 0.2 | 0.033 |
| 80 03 19 1520 | | | .3 | 1 | 22178 | 6 | 3200C | 33500 | 340 | 3000> | 1.0 | 11.2 | 4.3 | 0.395 |
| 80 04 16 1440 | | | .3 | 1 | 22230 | 6 | 180I | 860 | 20I | 3200 | 3.2 | 11.7 | 0.2 | 0.041 |
| 80 05 23 1435 | | | .3 | 1 | 22280 | 5 | 60I | 2800 | 4< | 8 | 24.1 | 8.8 | | |
| 80 06 25 1405 | | | .3 | 1 | 22330 | 6 | 430C | 7000 | 128 | 96 | 27.4 | 8.2 | 0.8 | 0.041 |
| 80 07 23 1415 | | | .3 | 1 | 22370 | 6 | | | | | 23.0 | 8.0 | 0.2 | 0.082 |
| 80 08 14 1420 | | | .3 | 1 | 22430 | 6 | | 31000 | 70I | 610 | 23.6 | 8.4 | | |
| 80 09 25 1445 | | | .3 | 1 | 22480 | 6 | | | | | 13.2 | 10.2 | 0.6 | 0.035 |
| 80 10 23 1445 | | | .3 | 1 | 22530 | 6 | 120I | 4800 | 30I | 140 | 7.0 | 11.8 | | |
| 80 11 24 1245 | | | .3 | 1 | 22546 | 6 | 500 | 2000 | 10< | 10I | 3.5 | 10.8 | 0.6 | 0.012 |
| 80 12 16 1315 | | | .3 | 1 | 22603 | 8 | 1540C | 7200 | 160 | 96 | | | 1.4 | 0.023 |
| MAXIMUM | | | | | | | 3200 | 33500 | 340 | 3200> | 27.4 | 14.9 | 4.3 | 0.395 |
| ARITH MEAN | | | | | | | 757 | 9151 | 100L | 884G | 11.5 | 10.5 | 0.9 | 0.077 |
| GEOM MEAN | | | | | | | 389 | 4078 | 52L | 210G | 6.0 | 10.3 | 0.5 | 0.043 |
| MINIMUM | | | | | | | 60 | 600 | 4< | 8 | 0.0 | 8.0 | 0.2 | 0.012 |
| STD DEV | | | | | | | 1016 | 12408 | 102L | 1252G | 11.0 | 2.1 | 1.3 | 0.121 |
| NO OF SAMPLES | | | | | | | 9 | 10 | 10 | 10 | 11 | 11 | 9 | 9 |

| | | | | TEST-NAME: | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 16 1330 | | | .3 | 1 | 0.019 | 0.042 | 0.310 | 0.007 | 1.390 | 1.439 | 0.268 | 1.707 | 319.0 | 5.0 |
| 80 02 20 1500 | | | .3 | 1 | 0.028 | 0.050 | 0.270 | 0.008 | 1.240 | 1.298 | 0.220 | 1.518 | 350.0 | 7.0 |
| 80 03 19 1520 | | | .3 | 1 | 0.135 | 0.400 | 1.850 | 0.021 | 1.180 | 1.601 | 1.450 | 3.051 | 395.0 | 164.0 |
| 80 04 16 1440 | | | .3 | 1 | 0.016 | 0.016 | 0.400 | 0.005 | 1.040 | 1.061 | 0.384 | 1.445 | 306.0 | 10.0 |
| 80 06 25 1405 | | | .3 | 1 | 0.008 | 0.024 | 0.610 | 0.003 | 0.007 | 0.034 | 0.586 | 0.620 | 232.0 | 4.0 |
| 80 07 23 1415 | | | .3 | 1 | 0.053 | 0.039 | 0.740 | 0.052 | 0.728 | 0.819 | 0.701 | 1.520 | 347.0 | 8.0 |
| 80 09 25 1445 | | | .3 | 1 | 0.021 | 0.050 | 0.470 | 0.008 | 0.542 | 0.600 | 0.420 | 1.020 | 342.0 | 5.0 |
| 80 11 24 1245 | | | .3 | 1 | 0.003 | 0.012 | 0.300 | 0.005 | 0.520 | 0.537 | 0.288 | 0.825 | 327.0 | 3.0 |
| 80 12 16 1315 | | | .3 | 1 | 0.017 | 0.050 | 0.360 | 0.012 | 1.240 | 1.302 | 0.310 | 1.612 | 359.0 | 1.0 |
| MAXIMUM | | | | | 0.135 | 0.400 | 1.850 | 0.052 | 1.390 | 1.601 | 1.450 | 3.051 | 395.0 | 164.0 |
| ARITH MEAN | | | | | 0.033 | 0.076 | 0.590 | 0.013 | 0.876 | 0.966 | 0.514 | 1.480 | 330.8 | 23.0 |
| GEOM MEAN | | | | | 0.020 | 0.042 | 0.483 | 0.009 | 0.538 | 0.693 | 0.430 | 1.347 | 327.7 | 6.7 |
| MINIMUM | | | | | 0.003 | 0.012 | 0.270 | 0.003 | 0.007 | 0.034 | 0.220 | 0.620 | 232.0 | 1.0 |
| STD DEV | | | | | 0.041 | 0.122 | 0.497 | 0.016 | 0.456 | 0.508 | 0.384 | 0.700 | 45.0 | 52.9 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| | | | | TEST-NAME: | COND25 | TURB | CLIDUR | PH | FWPH | ALUT | CRUT | CUUT | PBUT | CDUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD |
| 80 01 16 1330 | | | .3 | 1 | 540.0 | 3.80 | 13.500 | 8.16 | 8.1 | | | | | |
| 80 02 20 1500 | | | .3 | 1 | 570.0 | 5.00 | 17.000 | 8.03 | 7.6 | | | | | |
| 80 03 19 1520 | | | .3 | 1 | 355.0 | 52.50 | 12.000 | 7.96 | 7.5 | | | | | |
| 80 04 16 1440 | | | .3 | 1 | 465.0 | 35.00 | 12.000 | 8.39 | 7.7 | | | | | |
| 80 05 23 1435 | | | .3 | 1 | | | | | 7.9 | 0.040 | 0.020< | 0.010< | 0.030< | 0.005< |
| 80 06 25 1405 | | | .3 | 1 | 350 | 2.4 | 11.0 | 8.86 | 8.3 | | | | | |
| 80 07 23 1415 | | | .3 | 1 | 500.0 | 5.20 | 12.000 | 8.45 | 7.9 | | | | | |
| 80 08 14 1420 | | | .3 | 1 | | | | | 8.1 | | | | | |
| 80 09 25 1445 | | | .3 | 1 | 520.0 | 2.30 | 13.000 | 8.18 | | | | | | |
| 80 10 23 1445 | | | .3 | 1 | | | | | 8.2 | | | | | |
| 80 11 24 1245 | | | .3 | 1 | 530.0 | 3.00 | 14.500 | 8.25 | 7.7 | | | | | |
| 80 12 16 1315 | | | .3 | 1 | 600.0 | 2.50 | 14.000 | 7.99 | | | | | | |
| MAXIMUM | | | | | 600.0 | 52.50 | 17.000 | 8.86 | 8.3 | 0.040 | 0.020 | 0.010 | 0.030 | 0.005 |
| ARITH MEAN | | | | | 492 | 12.4 | 13.2 | 8.25 | 7.9 | 0.040 | 0.020L | 0.010L | 0.030L | 0.005L |
| GEOM MEAN | | | | | 484 | 5.8 | 13.1 | 8.25 | 7.9 | | | | | |
| MINIMUM | | | | | 350 | 2.30 | 11.0 | 7.96 | 7.5 | 0.040 | 0.020< | 0.010< | 0.030< | 0.005< |
| STD DEV | | | | | 88 | 18.3 | 1.8 | 0.28 | 0.3 | | | | | |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 10 | 1 | 1 | 1 | 1 | 1 |

| | | | | TEST-NAME: | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 05 23 1435 | | | .3 | 1 | 0.010< | 0.020< | 0.020< |
| MAXIMUM | | | | | 0.010 | 0.020 | 0.020 |
| ARITH MEAN | | | | | 0.010L | 0.020L | 0.020L |
| GEOM MEAN | | | | | | | |
| MINIMUM | | | | | 0.010< | 0.020< | 0.020< |
| STD DEV | | | | | | | |
| NO OF SAMPLES | | | | | 1 | 1 | 1 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B O W / SITE: **BOYNE RIVER**
SAMPLE POINT: **CONC.RD.6 EARL ROWE PROVINCIAL PARK**
STATION TYPE: **RIVER FLOW GAUGE FED 02ED102**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **NOTTAWASAGA RIVER**

STATION ID: **03-0057-003-02**
STORET CODE: **02**
**002**
**2470**

LAT
LONG:
U T M: **17 0588200.0 4889200.0 4**
REGION: **03**
DISTANCE: **07.224**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE<br>SAMPLE NUMBER | FWSTRC<br>STREAM COND. | FWFLOW<br>STREAM FLOW M3 /S | TCMF<br>COLIFORM TOTAL MF CNT /100ML | TCMFBK<br>COLIFORM TOTAL MF BCKGRD CNT /100ML | FCMF<br>FECAL COLIFORM MF CNT /100ML | FSMF<br>FECAL STREPCUS MF CNT /100ML | FWTEMP<br>WATER TEMP DEG.C | DO<br>DISOLVED OXYGEN MG/L AS O | BOD5<br>BOD 5 DAY TOT.DEM. MG/L AS O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 17 0910 | | | .3 | 1 | 22065 | 6 | 1.920 | 820C | | 20I | | 1.0 | 12.2 | |
| 80 02 21 1100 | | | .3 | 1 | 22137 | 6 | 0.994 | 50I | | 10< | | 0.0 | 11.2 | |
| 80 03 20 1110 | | | .3 | 1 | 22184 | 6 | 11.500 | | | | | 1.0 | 12.1 | |
| 80 04 17 1115 | | | .3 | 1 | 22237 | 6 | 3.930 | 450C | | 30I | | 3.0 | 11.4 | |
| 80 05 26 1310 | | | .3 | 1 | 22287 | 6 | 1.190 | 180< | | 30< | | 18.2 | 8.7 | |
| 80 06 26 1145 | | | .3 | 1 | 22337 | 6 | 0.951 | 460 | | 90I | | 24.0 | 6.9 | |
| 80 07 21 1245 | | | .3 | 1 | 22346 | 6 3 | 20.700 | 200000 | | 15000 | | 22.2 | 7.7 | |
| 80 08 15 1420 | | | .3 | 1 | 22438 | 6 | 1.200 | 110 | | 80I | | 21.5 | 8.3 | |
| 80 09 26 1320 | | | .3 | 1 | 22488 | 6 | 1.830 | 1700 | | 230 | | 11.4 | 9.8 | |
| 80 10 28 1320 | | | .3 | 1 | 22538 | 6 | 2.310 | 1400C | | 160 | | 4.6 | 10.8 | |
| 80 11 28 1300 | | | .3 | 1 | 22586 | 6 | 1.790 | 400I | | 10I | | 1.1 | 11.1 | |
| 80 12 16 1045 | | | .3 | 1 | 22594 | 8 | 1.890 | 1700 | 14000 | 140 | 36 | | | 1.3 |
| MAXIMUM | | | | | | | 20.700 | 200000 | 14000 | 15000 | 36 | 24.0 | 12.2 | 1.3 |
| ARITH MEAN | | | | | | | 4.184 | 18843L | 14000 | 1436L | 36 | 9.8 | 10.0 | 1.3 |
| GEOM MEAN | | | | | | | 2.390 | 767L | | 81L | | 4.9 | 9.9 | |
| MINIMUM | | | | | | | 0.951 | 50< | 14000 | 10< | 36 | 0.0 | 6.9 | 1.3 |
| STD DEV | | | | | | | 5.955 | 80096L | | 4499L | | 9.8 | 1.8 | |
| NO OF SAMPLES | | | | | | | 12 | 11 | 1 | 11 | 1 | 11 | 11 | 1 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PPUT<br>PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR<br>PO4 FIL.REAC MG/L AS P | NNHTFR<br>NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR<br>K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR<br>NO2-N FIL.REAC MG/L AS N | NNO3FR<br>NO3-N FIL.REAC MG/L AS N | NNTIFR<br>ORG N TOTAL FIL.REAC MG/L | NNKUR<br>KJELDAHL ORGANIC UNF.REAC MG/L | NNKI<br>TOTAL N MG/L AS N | RST<br>RESIDUE TOTAL MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 17 0910 | | | .3 | 1 | 0.026 | | 0.060 | | | | | | | |
| 80 02 21 1100 | | | .3 | 1 | 0.017 | | 0.048 | | | | | | | |
| 80 03 20 1110 | | | .3 | 1 | 0.193 | | 0.377 | | | | | | | |
| 80 04 17 1115 | | | .3 | 1 | 0.035 | | 0.036 | | | | | | | |
| 80 06 26 1145 | | | .3 | 1 | 0.040 | | 0.052 | | | | | | | |
| 80 07 21 1245 | | | .3 | 1 | 0.345 | | 0.060 | | | | | | | |
| 80 08 15 1420 | | | .3 | 1 | 0.036 | | 0.044 | | | | | | | |
| 80 09 26 1320 | | | .3 | 1 | 0.058 | | 0.066 | | | | | | | |
| 80 11 28 1300 | | | .3 | 1 | 0.012 | | 0.024 | | | | | | | |
| 80 12 16 1045 | | | .3 | 1 | 0.174 | 0.062 | 0.094 | 0.520 | 0.003 | 1.250 | 1.347 | 0.426 | 1.773 | 353.0 |
| MAXIMUM | | | | | 0.346 | 0.062 | 0.377 | 0.520 | 0.003 | 1.250 | 1.347 | 0.426 | 1.773 | 353.0 |
| ARITH MEAN | | | | | 0.094 | 0.062 | 0.086 | 0.520 | 0.003 | 1.250 | 1.347 | 0.426 | 1.773 | 353.0 |
| GEOM MEAN | | | | | 0.053 | | 0.062 | | | | | | | |
| MINIMUM | | | | | 0.012 | 0.062 | 0.024 | 0.520 | 0.003 | 1.250 | 1.347 | 0.426 | 1.773 | 353.0 |
| STD DEV | | | | | 0.109 | | 0.104 | | | | | | | |
| NO OF SAMPLES | | | | | 10 | 1 | 10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RSP<br>RESIDUE PARTIC. MG/L | RSF<br>RESIDUE FILTERED MG/L | COND25<br>CONDUCT. 25C UMHO/CM AT 25 C | TURB<br>TURB'ITY FTU | CLIDUR<br>CHLORIDE UNF.REAC MG/L AS CL | ALKT<br>ALK TOTAL MG/L AS CACO3 | PH<br>PH | FWPH<br>PH FIELD | PHNOL<br>PHENOLS UNF-REAC UG/L PHENOL | FEUT<br>IRON UNF.TOT. MG/L AS FE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 17 0910 | | | .3 | 1 | 3.0 | | 490.0 | 2.80 | | | 8.09 | 7.6 | | |
| 80 02 21 1100 | | | .3 | 1 | 5.00 | | 52.5 | 1.90 | | 230 | 7.64 | 7.5 | 1.000< | |
| 80 03 20 1110 | | | .3 | 1 | 63.00 | | 305.0 | 37.00 | | 112.0 | 7.82 | 7.5 | | 2.900 |
| 80 04 17 1115 | | | .3 | 1 | 11.00 | | 440.0 | 9.80 | | 187.0 | 8.28 | 7.5 | 1.000< | 0.660 |
| 80 05 26 1310 | | | .3 | 1 | | | | | | | | 7.2 | | |
| 80 06 26 1145 | | | .3 | 1 | 9.00 | | 445.0 | 5.90 | | 204.0 | 8.40 | 7.9 | 1.000 | 0.400 |
| 80 07 21 1245 | | | .3 | 1 | 165 | | 360 | 76 | | 146 | 7.95 | | 1 < | 1.2 |
| 80 08 15 1420 | | | .3 | 1 | 14.00 | | 450.0 | 6.90 | | 209.0 | 8.36 | 7.8 | 1.000< | 0.630 |
| 80 09 26 1320 | | | .3 | 1 | 24 | | 485 | 11 | | 0.218 | 8.16 | | | 0.94 |
| 80 10 28 1320 | | | .3 | 1 | | | | | | | | 7.9 | | |
| 80 11 28 1300 | | | .3 | 1 | 3.00 | | 540.0 | 2.30 | | 246.0 | 8.29 | 7.7 | 1.000< | 0.170 |
| 80 12 16 1045 | | | .3 | 1 | 2.0 | 1.000 | 580.0 | 2.80 | 18.000 | 256.0 | 8.06 | | 1.000< | |
| MAXIMUM | | | | | 165 | 1.000 | 580.0 | 76 | 18.000 | 256.0 | 8.40 | 7.9 | 1.000 | 2.900 |
| ARITH MEAN | | | | | 29 | 1.000 | 414 | 15 | 18.000 | 176 | 8.10 | 7.6 | 1 L | 0.9 |
| GEOM MEAN | | | | | 11 | | 381 | 7 | | 90 | 8.10 | 7.6 | 1 L | 0.7 |
| MINIMUM | | | | | 2.0 | 1.000 | 52.5 | 1.90 | 18.000 | 0.218 | 7.64 | 7.2 | 1.000< | 0.170 |
| STD DEV | | | | | 50 | | 150 | 23 | | 80 | 0.25 | 0.2 | 0 L | 0.9 |
| NO OF SAMPLES | | | | | 10 | 1 | 10 | 10 | 1 | 9 | 10 | 9 | 7 | 7 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ASUT<br>ARSENIC UNF.TOT. MG/L AS AS | CRUT<br>CHROMIUM UNF.TOT. MG/L AS CR | CUUT<br>COPPER UNF.TOT. MG/L AS CU | PBUT<br>LEAD UNF.TOT. MG/L AS PB | CDUT<br>CADMIUM UNF.TOT. MG/L AS CD | ZNUT<br>ZINC UNF.TOT. MG/L AS ZN | NIUT<br>NICKEL UNF.TOT. MG/L AS NI | CCNAUR<br>CYANIDE AVAIL UNF.REAC MG/L AS HCN | P1PCBT<br>PCB TOTAL UG/L | P3245T<br>2,4,5,T UG/l |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 02 21 1100 | | | .3 | 1 | 0.001 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< | | 0.020R | |
| 80 03 20 1110 | | | .3 | 1 | 0.002 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< | | 0.020R | |
| 80 04 17 1115 | | | .3 | 1 | 0.001< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< | 0.010< | 0.020R | |
| 80 05 26 1310 | | | .3 | 1 | 0.001< | 0.060 | 0.010 | 0.030< | 0.005 < | 0.010< | 0.020< | 0.010< | 0.020R | |
| 80 06 26 1145 | | | .3 | 1 | 0.001< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< | 0.010< | 0.020R | |
| 80 08 15 1420 | | | .3 | 1 | 0.001< | 0.002< | 0.001< | 0.003< | 0.0002< | 0.001< | 0.002< | 0.01 < | 0.020R | 0.050R |
| 80 09 26 1320 | | | .3 | 1 | 0.001< | 0.002< | 0.007 | 0.003< | 0.0002< | 0.005 | 0.002< | 0.01 < | 0.020R | 0.050R |
| 80 10 28 1320 | | | .3 | 1 | | | | | | | | | 0.020R | 0.050R |
| 80 11 28 1300 | | | .3 | 1 | 0.001< | | 0.006 | 0.003< | 0.0002< | 0.014 | 0.002< | 0.010< | 0.020R | 0.050R |
| 80 12 16 1045 | | | .3 | 1 | | | | | | | | | 0.020R | 0.050R |
| MAXIMUM | | | | | 0.002 | 0.060 | 0.010 | 0.030 | 0.005 | 0.014 | 0.020 | 0.010 | | 0.050 |
| ARITH MEAN | | | | | 0.001L | 0.021L | 0.008L | 0.020L | 0.003 L | 0.009L | 0.013L | 0.01 L | | 0.050B |
| GEOM MEAN | | | | | 0.001L | 0.012L | 0.007L | 0.013L | 0.001 L | 0.007L | 0.008L | 0.01 L | | 0.050B |
| MINIMUM | | | | | 0.001< | 0.002< | 0.001< | 0.003< | 0.0002< | 0.001< | 0.002< | 0.010< | | 0.050 |
| STD DEV | | | | | 0.000L | 0.019L | 0.003L | 0.014L | 0.002 L | 0.004L | 0.009L | 0.00 L | | 0.000B |
| NO OF SAMPLES | | | | | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 6 | | 5 |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **PINE RIVER**
SAMPLE POINT: **UPSTREAM FROM CAMP BORDEN STP**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **NOTTAWASAGA RIVER**

STATION ID: **03-0057-005-02**
STORET CODE: **02**
**002**
**2470**

LAT: LONG: U T M: **17 0587650.0 4905625.0 4** REGION: **03** DISTANCE: **54.555**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 17 1205 | | | .3 | 1 | 22067 | 6 | 320 | 1450 | 30I | 80I | 1.0 | 11.6 | 0.2 | 0.041 |
| 80 02 21 1135 | | | .3 | 1 | 22139 | 6 | 10I | 120 | 10< | 10< | 0.0 | 11.6 | 0.6 | 0.034 |
| 80 03 20 1145 | | | .3 | 1 | 22185 | 6 | 11200 | 4300 | 480 | 2560 | 1.0 | 11.4 | 2.8 | 0.380 |
| 80 04 17 1300 | | | .3 | 1 | 22239 | 6 | 100< | 1800 | 20I | 20I | 3.0 | 11.0 | 0.4 | 0.052 |
| 80 05 26 1350 | | | .3 | 1 | 22288 | 6 0 | 260 | 4800 | 30I | 10I | 14.6 | 9.1 | 0.6 | 0.021 |
| 80 06 26 1230 | | | .3 | 1 | 22338 | 6 | 540C | 10000 | 190 | 100 | 20.9 | 6.8 | 1.0 | 0.019 |
| 80 07 21 1400 | | | .3 | 1 | 22347 | 6 3 | | | | | 20.5 | 8.0 | 1.6 | 0.600 |
| 80 08 15 1300 | | | .3 | 1 | 22435 | 6 | 140 | 2600 | 10< | 90I | 17.8 | 8.3 | 0.4 | 0.008 |
| 80 09 26 1200 | | | .3 | 1 | 22485 | 6 | 4200 | 23500 | 1500 | 1490 | 9.9 | 9.3 | 0.5 | 0.030 |
| 80 10 28 1150 | | | .3 | 1 | 22535 | 6 | 80I | 2800 | 10I | 40I | 4.5 | 11.2 | | |
| 80 11 28 1130 | | | .3 | 1 | 22583 | 6 | 520 | 340 | 20I | 10< | 1.5 | 11.7 | 0.2 | 0.005 |
| 80 12 15 1200 | | | .3 | 1 | 22595 | 8 | 1170C | 3100 | 10< | 10I | | | 0.5 | 0.048 |
| MAXIMUM | | | | | | | 11200 | 23500 | 1500 | 2560 | 20.9 | 11.7 | 2.8 | 0.600 |
| ARITH MEAN | | | | | | | 1686L | 4983 | 210L | 402L | 8.6 | 10.0 | 0.8 | 0.113 |
| GEOM MEAN | | | | | | | 383L | 2343 | 41L | 67L | 4.7 | 9.8 | 0.6 | 0.040 |
| MINIMUM | | | | | | | 10< | 120 | 10< | 10< | 0.0 | 6.8 | 0.2 | 0.005 |
| STD DEV | | | | | | | 3376L | 6711 | 451L | 838L | 8.4 | 1.8 | 0.8 | 0.194 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 17 1205 | | | .3 | 1 | 0.005 | 0.024 | 0.410 | 0.004 | 2.300 | 2.328 | 0.386 | 2.714 | 308.0 | 32.0 |
| 80 02 21 1135 | | | .3 | 1 | 0.004 | 0.042 | 0.280 | 0.008 | 2.190 | 2.240 | 0.238 | 2.478 | 298.0 | 16.0 |
| 80 03 20 1145 | | | .3 | 1 | 0.031 | 0.198 | 1.630 | 0.024 | 1.380 | 1.602 | 1.432 | 3.034 | 498.0 | 319.0 |
| 80 04 17 1300 | | | .3 | 1 | 0.009 | 0.024 | 0.500 | 0.007 | 1.640 | 1.671 | 0.476 | 2.147 | 321.0 | 51.0 |
| 80 05 26 1350 | | | .3 | 1 | 0.001 | 0.006 | 0.320 | 0.007 | 1.290 | 1.303 | 0.314 | 1.617 | 285.0 | 9.0 |
| 80 06 26 1230 | | | .3 | 1 | 0.003 | 0.022 | 0.330 | 0.009 | 1.140 | 1.171 | 0.308 | 1.479 | 275.0 | 8.0 |
| 80 07 21 1400 | | | .3 | 1 | 0.051 | 0.050 | 1.900 | 0.032 | 0.708 | 0.790 | 1.850 | 2.640 | 741.0 | 546.0 |
| 80 08 15 1300 | | | .3 | 1 | 0.001 | 0.006 | 0.290 | 0.005 | 1.290 | 1.301 | 0.284 | 1.585 | 291.0 | 8.0 |
| 80 09 26 1200 | | | .3 | 1 | 0.004 | 0.012 | 0.41 | 0.004 | 0.876 | 0.892 | 0.398 | 1.290 | 311 | 27 |
| 80 11 28 1130 | | | .3 | 1 | 0.001< | 0.006 | 0.240 | 0.004 | 1.550 | 1.560 | 0.234 | 1.794 | 293.0 | 4.0 |
| 80 12 15 1200 | | | .3 | 1 | 0.032 | 0.018 | 0.380 | 0.004 | 1.550 | 1.572 | 0.362 | 1.934 | 298.0 | 12.0 |
| MAXIMUM | | | | | 0.051 | 0.198 | 1.900 | 0.032 | 2.300 | 2.328 | 1.850 | 3.034 | 741.0 | 546.0 |
| ARITH MEAN | | | | | 0.013L | 0.037 | 0.60 | 0.010 | 1.447 | 1.494 | 0.571 | 2.065 | 356 | 93 |
| GEOM MEAN | | | | | 0.005L | 0.020 | 0.46 | 0.007 | 1.371 | 1.421 | 0.436 | 1.992 | 338 | 25 |
| MINIMUM | | | | | 0.001< | 0.006 | 0.240 | 0.004 | 0.708 | 0.790 | 0.234 | 1.290 | 275.0 | 4.0 |
| STD DEV | | | | | 0.017L | 0.055 | 0.58 | 0.009 | 0.486 | 0.484 | 0.542 | 0.577 | 141 | 175 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 17 1205 | | | .3 | 1 | 276.0 | 450.0 | 8.500 | 8.07 | 7.8 |
| 80 02 21 1135 | | | .3 | 1 | 282.0 | 445.0 | 8.250 | 8.05 | 7.6 |
| 80 03 20 1145 | | | .3 | 1 | 179.000 | 275.0 | 6.500 | 7.97 | 7.5 |
| 80 04 17 1300 | | | .3 | 1 | 270.0 | 415.0 | 7.300 | 8.20 | 7.3 |
| 80 05 26 1350 | | | .3 | 1 | 276.000 | 425.0 | 7.650 | 8.29 | 7.7 |
| 80 06 26 1230 | | | .3 | 1 | 267.000 | 410.0 | 7.700 | 8.29 | 7.8 |
| 80 07 21 1400 | | | .3 | 1 | 195.000 | 300.0 | 5.400 | 7.76 | 7.1 |
| 80 08 15 1300 | | | .3 | 1 | 283.000 | 735.0 | 8.350 | 8.25 | 7.8 |
| 80 09 26 1200 | | | .3 | 1 | 284 | 440 | 7.45 | 8.03 | |
| 80 10 28 1150 | | | .3 | 1 | | | | | 7.8 |
| 80 11 28 1130 | | | .3 | 1 | 289.0 | 460.0 | 7.800 | 8.20 | 7.8 |
| 80 12 15 1200 | | | .3 | 1 | 286.0 | 480.0 | 8.850 | 8.18 | |
| MAXIMUM | | | | | 289.0 | 735.0 | 8.850 | 8.29 | 7.8 |
| ARITH MEAN | | | | | 262 | 439 | 7.81 | 8.12 | 7.6 |
| GEOM MEAN | | | | | 259 | 426 | 7.55 | 8.12 | 7.6 |
| MINIMUM | | | | | 179.000 | 275.0 | 5.400 | 7.76 | 7.1 |
| STD DEV | | | | | 38 | 117 | 0.97 | 0.16 | 0.2 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 10 |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **NOTTAWASAGA RIVER**
SAMPLE POINT: **AT HIGHWAY NO 92 WASAGA BEACH**
STATION TYPE: **RIVER COMPOSITE**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **NOTTAWASAGA RIVER**

STATION ID: **03-0057-006-83**
STORET CODE: **02**
**002**
**2470**

LAT. LONG: U T M: **17 0578050.0 4930225.0 4** REGION: **03** DISTANCE: **0.322**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT | PPO4FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P |
| 80 01 16 1215 | | | .3 | 1 | 22056 | 4 | | | 84 | 352 | 0.0 | 9.7 | 0.044 | 0.016 |
| 80 02 07 1030 | | | .3 | 1 | 22071 | 4 | | | 4 | 36 | 0.0 | 7.9 | 0.033 | 0.005 |
| 80 02 20 1325 | | | .3 | 1 | 22128 | 4 | | | 10< | 30I | 0.0 | 7.2 | 0.036 | 0.008 |
| 80 03 06 1045 | | | .3 | 1 | 21061 | 4 | | | 30 | 16 | 0.0 | 9.2 | 0.035 | 0.013 |
| 80 03 19 1310 | | | .3 | 1 | 22175 | 4 | | | 88 | 3000> | 1.0 | 8.4 | 0.158 | 0.076 |
| 80 03 21 1200 | | | .3 | 1 | 21092 | 6 | | | 80I | 1100 | | | 0.955 | 0.460 |
| 80 03 27 1150 | | | .3 | 1 | 21130 | 4 | | | 20I | 1900 | 0.0 | 11.3 | 0.245 | 0.045 |
| 80 04 09 1200 | | | .3 | 1 | 21134 | 6 | | | 8 | 88 | 9.8 | 8.9 | 0.060 | 0.014 |
| 80 04 16 1300 | | | .3 | 1 | 22227 | 6 | | | 152 | 600> | 3.9 | 9.8 | 0.088 | 0.018 |
| 80 04 17 1004 | | | .3 | 1 | 21137 | 6 | | | 148 | 460 | 4.5 | 12.0 | 0.102 | 0.026 |
| 80 04 28 1020 | | | .3 | 1 | 21204 | 6 | | | 8 | 20< | 10.8 | 8.3 | 0.056 | 0.009 |
| 80 05 06 1015 | | | .3 | 1 | 21209 | 6 | | | 6300 | 8800 | 13.4 | 10.2 | 0.061 | 0.025 |
| 80 05 23 1300 | | | .3 | 1 | 22277 | 6 | | | 10I | 10< | 19.8 | 8.6 | 0.034 | 0.001 |
| 80 06 25 1235 | | | .3 | 1 | 22327 | 6 | | | 296 | 84 | 22.0 | 8.0 | 0.034 | 0.031 |
| 80 07 04 1230 | | | .3 | 1 | 21337 | | | | 372 | 284 | | | 0.027 | 0.003 |
| 80 07 23 1235 | | | .3 | 1 | 22367 | 6 | | | | | 21.5 | 6.3 | 0.170 | 0.044 |
| 80 08 14 1245 | | | .3 | 1 | 22427 | 6 | | | 70I | 180 | 21.2 | 6.9 | | |
| 80 09 25 1300 | | | .3 | 1 | 22477 | 6 | | | | | 13.9 | 8.0 | 0.075 | 0.030 |
| 80 10 02 0945 | | | .3 | 1 | 21524 | 6 | | | 100 | 100 | 12.0 | 8.2 | 0.042 | 0.016 |
| 80 10 23 1300 | | | .3 | 1 | 22527 | 6 | | | 10I | 70I | 6.6 | 9.6 | | |
| 80 11 07 0815 | | | .3 | 1 | 21587 | 6 | | | 30I | 30I | 3.0 | 8.3 | 0.029 | 0.013 |
| 80 11 24 1315 | | | .3 | 1 | 22547 | 6 | | | 10< | 10< | 2.9 | 9.5 | 0.041 | 0.023 |
| 80 12 05 0930 | | | .3 | 1 | 21652 | 4 | | | 10< | 30I | 0.0 | 12.6 | 0.011 | 0.001 |
| 80 12 16 1345 | | | .3 | 1 | 22604 | 8 | 1460C | 7800 | 32 | 40 | | | 0.021 | 0.007 |
| **MAXIMUM** | | | | | | | **1460** | **7800** | **6300** | **8800>** | **22.0** | **12.6** | **0.955** | **0.460** |
| **ARITH MEAN** | | | | | | | **1460** | **7800** | **358L** | **7848** | **7.9** | **9.0** | **0.107** | **0.040** |
| **GEOM MEAN** | | | | | | | | | **43L** | **1278** | **4.5** | **8.9** | **0.058** | **0.015** |
| **MINIMUM** | | | | | | | **1460** | **7800** | **4<** | **10<** | **0.0** | **6.3** | **0.011** | **0.001** |
| **STD DEV** | | | | | | | | | **1331L** | **19358** | **8.1** | **1.6** | **0.198** | **0.095** |
| **NO OF SAMPLES** | | | | | | | **1** | **1** | **22** | **22** | **21** | **21** | **22** | **22** |

| TEST-NAME: | | | | | NNTKUR | NNO2FR | NNO3FR | NNKI | RSP | RSF | COND25 | ALKT | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD |
| 80 01 16 1215 | | | .3 | 1 | 1.040 | 0.020 | 1.480 | 2.540 | 8.00 | 297.00 | | 51 | 7.68 | 7.5 |
| 80 02 07 1030 | | | .3 | 1 | 0.440 | 0.015 | 1.580 | 2.035 | 6.00 | 335.00 | | 244.0 | 7.59 | |
| 80 02 20 1325 | | | .3 | 1 | 0.390 | 0.013 | 1.540 | 1.943 | 7.00 | 313.00 | 510.0 | 234 | 7.61 | 7.2 |
| 80 03 06 1045 | | | .3 | 1 | 0.410 | 0.012 | 1.540 | 1.962 | 4.00 | 321.00 | 530.0 | 238 | 7.91 | |
| 80 03 19 1310 | | | .3 | 1 | 0.900 | 0.019 | 1.380 | 2.299 | 13.00 | 293.00 | | 200.0 | 7.69 | 7.1 |
| 80 03 21 1200 | | | .3 | 1 | 19.600 | 0.033 | 1.270 | 20.903 | 223.00 | 211.000 | | 127.0 | 7.51 | |
| 80 03 27 1150 | | | .3 | 1 | 1.250 | 0.036 | 1.410 | 2.696 | 112.00 | 229.00 | | 130.0 | 7.68 | 7.4 |
| 80 04 09 1200 | | | .3 | 1 | 0.500 | 0.012 | 0.990 | 1.502 | 1.00 | 270.000 | 415.0 | 180.0 | 8.03 | 7.8 |
| 80 04 16 1300 | | | .3 | 1 | 0.630 | 0.012 | 1.040 | 1.682 | 36.00 | 273.000 | 420.0 | 182.0 | 8.01 | 7.5 |
| 80 04 17 1004 | | | .3 | 1 | 0.425 | 0.014 | 1.140 | 1.579 | 50.00 | 260.000 | | 173.0 | 7.99 | 8.1 |
| 80 04 28 1020 | | | .3 | 1 | 0.610 | 0.009 | 0.631 | 1.250 | 17.00 | 279.00 | 455.0 | 204.0 | 7.98 | 7.7 |
| 80 05 06 1015 | | | .3 | 1 | 0.660 | 0.011 | 0.869 | 1.540 | 11.00 | 361.00 | 550.0 | 226.0 | 8.23 | 8.2 |
| 80 05 23 1300 | | | .3 | 1 | 0.650 | 0.008 | 0.362 | 1.020 | 8.00 | 309.00 | 465.0 | 222.0 | 8.31 | 7.6 |
| 80 06 25 1235 | | | .3 | 1 | 0.570 | 0.012 | 0.990 | 1.572 | 10.0 | 287 | | 215 | 8.18 | 7.7 |
| 80 07 04 1230 | | | .3 | 1 | 0.420 | 0.007 | 0.449 | 0.876 | 13.00 | 289.000 | | 209.0 | 8.29 | |
| 80 07 23 1235 | | | .3 | 1 | 0.900 | 0.051 | 1.400 | 2.351 | 80.00 | 237.000 | 365.0 | 155.0 | 7.78 | 7.2 |
| 80 08 14 1245 | | | .3 | 1 | | | | | | | | | | 7.4 |
| 80 09 25 1300 | | | .3 | 1 | 0.60 | 0.020 | 0.860 | 1.480 | 22 | 288 | 470 | 213 | 7.85 | |
| 80 10 02 0945 | | | .3 | 1 | 0.580 | 0.020 | 0.645 | 1.245 | 14.00 | 214.00 | 500.0 | 234.0 | 8.14 | 7.6 |
| 80 10 23 1300 | | | .3 | 1 | | | | | | | | | | 7.6 |
| 80 11 07 0815 | | | .3 | 1 | 0.490 | 0.008 | 0.767 | 1.265 | 6.00 | 301.00 | 520.0 | 230.0 | 8.01 | 7.9 |
| 80 11 24 1315 | | | .3 | 1 | | | | | 5.00 | 316.00 | 530.0 | 237.0 | 8.08 | 7.2 |
| 80 12 05 0930 | | | .3 | 1 | 0.370 | 0.003 | 0.557 | 0.930 | 14.00 | 320.00 | 520.0 | 240.0 | 8.23 | 6.9 |
| 80 12 16 1345 | | | .3 | 1 | | | | | 6.00 | 316.00 | | 237.0 | 7.52 | |
| **MAXIMUM** | | | | | **19.600** | **0.051** | **1.580** | **20.903** | **223.00** | **361.00** | **550.0** | **244.0** | **8.31** | **8.2** |
| **ARITH MEAN** | | | | | **1.57** | **0.017** | **1.045** | **2.633** | **30** | **287** | **480** | **199** | **7.92** | **7.5** |
| **GEOM MEAN** | | | | | **0.69** | **0.014** | **0.963** | **1.809** | **13** | **284** | **477** | **190** | **7.92** | **7.5** |
| **MINIMUM** | | | | | **0.370** | **0.003** | **0.362** | **0.876** | **1.00** | **211.000** | **365.0** | **51** | **7.51** | **6.9** |
| **STD DEV** | | | | | **4.25** | **0.011** | **0.393** | **4.332** | **50** | **38** | **55** | **48** | **0.26** | **0.3** |
| **NO OF SAMPLES** | | | | | **20** | **20** | **20** | **20** | **22** | **22** | **13** | **22** | **22** | **18** |

| TEST-NAME: | | | | | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT | P1PCBT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | PCB TOTAL UG/L |
| 80 01 16 1215 | | | .3 | 1 | 0.001< | 0.020< | 0.020< | 0.010 | 0.030< | 0.005 < | 0.010 | 0.030 |
| 80 02 07 1030 | | | .3 | 1 | 0.001< | 0.020< | 0.020< | 0.020 | 0.030< | 0.020 | 0.060 | 0.020R |
| 80 02 20 1325 | | | .3 | 1 | 0.005 | 0.026 | 0.020< | 0.010< | 0.040 | 0.005 < | 0.010< | 0.020R |
| 80 03 06 1045 | | | .3 | 1 | 0.001< | 0.110 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 03 19 1310 | | | .3 | 1 | 0.001< | 0.020 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 03 21 1200 | | | .3 | 1 | 0.001< | 0.030 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.020 | 0.020R |
| 80 03 27 1150 | | | .3 | 1 | 0.002 | 0.030 | 0.020< | 0.020 | 0.030< | 0.008 | 0.030 | 0.020R |
| 80 04 09 1200 | | | .3 | 1 | 0.001< | 0.020< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 04 16 1300 | | | .3 | 1 | 0.001< | 0.040 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 04 17 1004 | | | .3 | 1 | | | | | | | | 0.020R |
| 80 04 28 1020 | | | .3 | 1 | 0.002 | 0.020< | 0.020< | 0.020 | 0.030< | 0.005 < | 0.030 | 0.020R |
| 80 05 06 1015 | | | .3 | 1 | 0.001 | 0.030< | 0.020< | 0.020 | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 05 23 1300 | | | .3 | 1 | 0.001< | | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 06 25 1235 | | | .3 | 1 | 0.001< | | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 07 04 1230 | | | .3 | 1 | 0.001< | 0.06 | 0.02 < | 0.01 < | 0.04 | 0.005 < | 0.01 < | 0.020R |
| 80 07 23 1235 | | | .3 | 1 | 0.001< | | 0.020< | 0.010 | 0.030< | 0.005 < | 0.020 | 0.020R |
| 80 08 14 1245 | | | .3 | 1 | 0.001< | | 0.002< | 0.001< | 0.003< | 0.0002< | 0.001< | 0.020R |
| 80 09 25 1300 | | | .3 | 1 | 0.001< | | 0.004 | 0.009 | 0.004 | 0.0002< | 0.006 | 0.020R |
| 80 10 02 0945 | | | .3 | 1 | 0.003 | 0.04 | 0.010 | 0.014 | 0.020 | 0.0001 | 0.048 | 0.020R |
| 80 10 23 1300 | | | .3 | 1 | | | | | | | | 0.020R |
| 80 11 07 0815 | | | .3 | 1 | 0.001< | 0.040< | 0.039 | 0.005 | 0.007 | 0.0009 | 0.008 | 0.020R |
| 80 11 24 1315 | | | .3 | 1 | 0.001< | 0.640 | 0.002< | 0.006 | 0.003< | 0.0002< | 0.007 | 0.020R |
| 80 12 05 0930 | | | .3 | 1 | 0.001< | 0.04 | 0.091 | 0.006 | 0.003< | 0.0006 | 0.006 | 0.020R |
| 80 12 16 1345 | | | .3 | 1 | 0.001< | 0.260 | 0.002< | 0.003 | 0.003< | 0.0002< | 0.004 | 0.020R |

(CONTD)

| TEST-NAME: | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT | P1PCBT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT / STN DIST FEET / STN BRG / SAMP DEPTH MTRS / PJ | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. U G/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | PCB TOTAL UG/L |
| MAXIMUM | 0.005 | 0.840 | 0.091 | 0.020 | 0.04 | 0.020 | 0.060 | |
| ARITH MEAN | 0.001L | 0.08 L | 0.02 L | 0.01 L | 0.02 L | 0.004 L | 0.01 L | |
| GEOM MEAN | 0.001L | 0.04 L | 0.01 L | 0.00 L | 0.01 L | 0.002 L | 0.01 L | |
| MINIMUM | 0.001< | 0.020< | 0.002< | 0.001< | 0.003< | 0.0001< | 0.001< | |
| STD DEV | 0.001L | 0.18 L | 0.01 L | 0.00 L | 0.01 L | 0.004 L | 0.01 L | |
| NO OF SAMPLES | 22 | 17 | 22 | 22 | 22 | 22 | 22 | |

B.O.W./ SITE: **BOYNE RIVER**
SAMPLE POINT: **COUNTY ROAD 10, DOWNSTREAM FROM ALLISTON**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **NOTTAWASAGA RIVER**

STATION ID: **03-0057-007-02**
STORET CODE: **02**
**002**
**2470**

LAT: LONG: U T M: **17 0593590.0 4890500.0 4** REGION: **03** DISTANCE: **78.212**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET / STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 17 1130 | | .3 | 1 | 22066 | 6 | 690 | 1500 | 50I | 110 | 1.3 | 11.2 | 0.4 | 0.107 |
| 80 02 21 1220 | | .3 | 1 | 22141 | 6 | 1860 | 4600 | 20I | 30I | 1.0 | 11.6 | 1.6 | 0.126 |
| 80 03 20 1230 | | .3 | 1 | 22187 | 6 | 2900 | 26000 | 330 | 1500> | 2.5 | 11.8 | 4.2 | 0.295 |
| 80 04 17 1145 | | .3 | 1 | 22238 | 6 | 1700 | 6700 | 20I | 440 | 3.9 | 10.8 | 0.6 | 0.087 |
| 80 05 26 1250 | | .3 | 1 | 22286 | 6 | 5200C | 25000 | 470 | 80I | 16.5 | 8.6 | 1.0 | 0.190 |
| 80 06 26 1120 | | .3 | 1 | 22336 | 6 | 1300 | 16000 | 190 | 450 | 21.3 | 6.1 | 1.4 | 0.245 |
| 80 07 21 1225 | | .3 | 1 | 22345 | 6 3 0 | | | | | 22.8 | 7.2 | 1.8 | 0.730 |
| 80 08 15 1400 | | .3 | 1 | 22437 | 6 | 1300 | 13000 | 90I | 120 | 20.0 | 7.9 | 0.6 | 0.163 |
| 80 09 26 1300 | | .3 | 1 | 22487 | 6 | 3600C | 32500 | 460 | 610 | 11.1 | 9.1 | 0.8 | 0.117 |
| 80 10 28 1300 | | .3 | 1 | 22537 | 6 | 1800C | 44000 | 130 | 350 | 4.9 | 10.8 | | |
| 80 11 28 1230 | | .3 | 1 | 22585 | 6 | 3800 | 4700 | 40I | 70I | 1.9 | 10.9 | 0.6 | 0.134 |
| 80 12 15 1045 | | .3 | 1 | 22593 | 8 | 31000 | 42000 | 650 | 110 | | | 0.6 | 0.265 |
| MAXIMUM | | | | | | 31000 | 44000 | 650 | 1500> | 22.8 | 11.8 | 4.2 | 0.730 |
| ARITH MEAN | | | | | | 5014 | 19636 | 223 | 352G | 9.7 | 9.6 | 1.2 | 0.224 |
| GEOM MEAN | | | | | | 2635 | 12982 | 121 | 195G | 5.7 | 9.4 | 1.0 | 0.184 |
| MINIMUM | | | | | | 690 | 1500 | 20 | 30 | 1.0 | 6.1 | 0.4 | 0.087 |
| STD DEV | | | | | | 8722 | 15268 | 220 | 428G | 8.8 | 2.0 | 1.1 | 0.182 |
| NO OF SAMPLES | | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET / STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 17 1130 | | .3 | 1 | 0.084 | 0.070 | 0.500 | 0.011 | 1.840 | 1.921 | 0.430 | 2.351 | 318.0 | 3.0 |
| 80 02 21 1220 | | .3 | 1 | 0.102 | 0.052 | 0.320 | 0.014 | 2.590 | 2.656 | 0.268 | 2.924 | 374.0 | 4.0 |
| 80 03 20 1230 | | .3 | 1 | 0.068 | 0.377 | 1.530 | 0.030 | 1.420 | 1.827 | 1.153 | 2.980 | 310.0 | 105.0 |
| 80 04 17 1145 | | .3 | 1 | 0.042 | 0.054 | 0.640 | 0.011 | 1.290 | 1.355 | 0.586 | 1.941 | 357.0 | 11.0 |
| 80 05 26 1250 | | .3 | 1 | 0.110 | 0.016 | 0.660 | 0.015 | 1.280 | 1.311 | 0.644 | 1.955 | 356.0 | 8.0 |
| 80 06 26 1120 | | .3 | 1 | 0.220 | 0.046 | 0.640 | 0.025 | 1.270 | 1.341 | 0.594 | 1.935 | 364.0 | 22.0 |
| 80 07 21 1225 | | .3 | 1 | 0.086 | 0.068 | 2.200 | 0.066 | 1.490 | 1.624 | 2.132 | 3.756 | 679.0 | 461.0 |
| 80 08 15 1400 | | .3 | 1 | 0.135 | 0.038 | 0.500 | 0.018 | 0.677 | 0.733 | 0.462 | 1.195 | 337.0 | 7.0 |
| 80 09 26 1300 | | .3 | 1 | 0.062 | 0.046 | 0.61 | 0.016 | 0.799 | 0.861 | 0.564 | 1.425 | 273 | 16 |
| 80 11 28 1230 | | .3 | 1 | 0.140 | 0.032 | 0.440 | 0.015 | 1.580 | 1.627 | 0.408 | 2.035 | 365.0 | 3.0 |
| 80 12 15 1045 | | .3 | 1 | 0.165 | 0.146 | 0.650 | 0.030 | 1.870 | 2.046 | 0.504 | 2.550 | 367.0 | 5.0 |
| MAXIMUM | | | | 0.220 | 0.377 | 2.200 | 0.066 | 2.590 | 2.656 | 2.132 | 3.756 | 679.0 | 461.0 |
| ARITH MEAN | | | | 0.110 | 0.086 | 0.79 | 0.023 | 1.464 | 1.573 | 0.704 | 2.277 | 372 | 58 |
| GEOM MEAN | | | | 0.100 | 0.059 | 0.67 | 0.020 | 1.377 | 1.482 | 0.597 | 2.169 | 362 | 13 |
| MINIMUM | | | | 0.042 | 0.016 | 0.320 | 0.011 | 0.677 | 0.733 | 0.268 | 1.195 | 273 | 3.0 |
| STD DEV | | | | 0.052 | 0.102 | 0.58 | 0.016 | 0.525 | 0.545 | 0.524 | 0.740 | 106 | 136 |
| NO OF SAMPLES | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET / STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 17 1130 | | .3 | 1 | 315.0 | 530.0 | 21.500 | 7.89 | 7.6 |
| 80 02 21 1220 | | .3 | 1 | 370.0 | 585.0 | 22.500 | 7.94 | 7.5 |
| 80 03 20 1230 | | .3 | 1 | 205.000 | 315.0 | 18.500 | 7.89 | 7.5 |
| 80 04 17 1145 | | .3 | 1 | 346.0 | 470.0 | 18.500 | 8.16 | 7.3 |
| 80 05 26 1250 | | .3 | 1 | 348.0 | 500.0 | 22.500 | 8.29 | 7.6 |
| 80 06 26 1120 | | .3 | 1 | 342.0 | 550.0 | 24.000 | 8.08 | 7.6 |
| 80 07 21 1225 | | .3 | 1 | 218.000 | 335.0 | 13.500 | 7.91 | 7.6 |
| 80 08 15 1400 | | .3 | 1 | 330.0 | 500.0 | 22.500 | 8.14 | 7.6 |
| 80 09 26 1300 | | .3 | 1 | 257 | 520 | 22.0 | 8.02 | |
| 80 10 28 1300 | | .3 | 1 | | | | | 7.8 |
| 80 11 28 1230 | | .3 | 1 | 362.0 | 600.0 | 26.000 | 8.16 | 7.7 |
| 80 12 15 1045 | | .3 | 1 | 362.0 | 620.0 | 24.500 | 8.10 | |
| MAXIMUM | | | | 370.0 | 620.0 | 26.000 | 8.29 | 7.8 |
| ARITH MEAN | | | | 314 | 502 | 21.4 | 8.05 | 7.6 |
| GEOM MEAN | | | | 308 | 492 | 21.1 | 8.05 | 7.6 |
| MINIMUM | | | | 205.000 | 315.0 | 13.500 | 7.89 | 7.3 |
| STD DEV | | | | 59 | 98 | 3.4 | 0.13 | 0.1 |
| NO OF SAMPLES | | | | 11 | 11 | 11 | 11 | 10 |

STATION ID: **03-0057-009-02**

B.O.W./SITE: **LAMONT CREEK**
SAMPLE POINT: **HIGHWAY 26 STAYNER**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **NOTTAWASAGA RIVER**

STORET CODE: **02**
**002**
**2470**

LAT:
LONG:
U.T.M: **17 0571900.0 4918850.0 4**
REGION: **03**
DISTANCE: **18.024**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 16 1350 | | | .3 | 1 | 22060 | 4 | 640 | 1100 | 200 | 368 | 0.0 | 12.4 | 0.2 | 0.069 |
| 80 02 20 1525 | | | .3 | 1 | 22132 | 4 | 280 | 2300 | 130 | 60I | 0.0 | 11.2 | 0.2 | 0.053 |
| 80 03 19 1545 | | | .3 | 1 | 22179 | 6 | 5600C | 66500 | 1840 | 3000> | 1.0 | 10.2 | 10.0 | 1.760 |
| 80 04 16 1500 | | | .3 | 1 | 22231 | 6 | 90I | 1800 | 12 | 372 | 3.0 | 11.8 | 0.2 | 0.106 |
| 80 05 23 1500 | | | .3 | 1 | 22281 | 6 | 410C | 14000 | 36 | 80 | 22.9 | 8.6 | | |
| 80 06 25 1430 | | | .3 | 1 | 22331 | 5 8 | 340C | 12000 | 64 | 52 | 24.0 | 10.2 | 0.6 | 0.071 |
| 80 07 23 1440 | | | .3 | 1 | 22371 | 6 9 0 | | | | | 22.4 | 7.8 | 1.0 | 0.220 |
| 80 08 14 1440 | | | .3 | 1 | 22431 | 6 | 1400C | 51000 | 210 | 720 | 20.9 | 9.7 | | |
| 80 09 25 1515 | | | .3 | 1 | 22481 | 6 | | | | | 13.0 | 9.1 | 1.4 | 0.130 |
| 80 10 23 1515 | | | .3 | 1 | 22531 | 6 | 240C | 28000 | 60I | 270 | 6.1 | 12.8 | | |
| 80 11 24 1125 | | | .3 | 1 | 22543 | 6 | 260C | 60000 | 40I | 60I | 3.1 | 12.8 | 0.4 | 0.029 |
| 80 12 16 1145 | | | .3 | 1 | 22600 | 8 | 900C | 42000 | 30I | 20I | | | 1.4 | 0.073 |
| **MAXIMUM** | | | | | | | **5600** | **66500** | **1840** | **3000>** | **24.0** | **12.8** | **10.0** | **1.760** |
| **ARITH MEAN** | | | | | | | **1016** | **27870** | **262** | **500G** | **10.6** | **10.6** | **1.7** | **0.279** |
| **GEOM MEAN** | | | | | | | **501** | **13374** | **86** | **173G** | **5.7** | **10.5** | **0.7** | **0.113** |
| **MINIMUM** | | | | | | | **90** | **1100** | **12** | **20** | **0.0** | **7.8** | **0.2** | **0.029** |
| **STD DEV** | | | | | | | **1857** | **25284** | **559** | **906G** | **10.2** | **1.7** | **3.1** | **0.558** |
| **NO OF SAMPLES** | | | | | | | **10** | **10** | **10** | **10** | **11** | **11** | **9** | **9** |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 16 1350 | | | .3 | 1 | 0.041 | 0.120 | 0.610 | 0.013 | 2.000 | 2.133 | 0.490 | 2.623 | 420.0 | 5.0 |
| 80 02 20 1525 | | | .3 | 1 | 0.023 | 0.148 | 0.460 | 0.011 | 1.590 | 1.749 | 0.312 | 2.061 | 468.0 | 2.0 |
| 80 03 19 1545 | | | .3 | 1 | 0.880 | 1.900 | 5.250 | 0.038 | 1.160 | 3.098 | 3.350 | 6.448 | 410.0 | 192.0 |
| 80 04 16 1500 | | | .3 | 1 | 0.072 | 0.040 | 0.630 | 0.010 | 1.840 | 1.890 | 0.590 | 2.480 | 387.0 | 3.0 |
| 80 06 25 1430 | | | .3 | 1 | 0.031 | 0.016 | 0.630 | 0.012 | 0.990 | 1.018 | 0.614 | 1.632 | 445.0 | 2.0 |
| 80 07 23 1440 | | | .3 | 1 | 0.165 | 0.066 | 0.930 | 0.038 | 0.497 | 0.601 | 0.864 | 1.465 | 412.0 | 3.0 |
| 80 09 25 1515 | | | .3 | 1 | 0.035 | 0.192 | 1.000 | 0.007 | 0.043 | 0.242 | 0.808 | 1.050 | 430.0 | 4.0 |
| 80 11 24 1125 | | | .3 | 1 | 0.014 | 0.016 | 0.420 | 0.007 | 0.428 | 0.451 | 0.404 | 0.855 | 455.0 | 3.0 |
| 80 12 16 1145 | | | .3 | 1 | 0.026 | 0.104 | 0.510 | 0.004 | 1.900 | 2.008 | 0.406 | 2.414 | 448.0 | 3.0 |
| **MAXIMUM** | | | | | **0.880** | **1.900** | **5.250** | **0.038** | **2.000** | **3.098** | **3.350** | **6.448** | **468.0** | **192.0** |
| **ARITH MEAN** | | | | | **0.143** | **0.289** | **1.160** | **0.016** | **1.161** | **1.466** | **0.871** | **2.336** | **430.6** | **24.1** |
| **GEOM MEAN** | | | | | **0.054** | **0.092** | **0.787** | **0.012** | **0.788** | **1.127** | **0.652** | **1.971** | **429.9** | **4.8** |
| **MINIMUM** | | | | | **0.014** | **0.016** | **0.420** | **0.004** | **0.043** | **0.242** | **0.312** | **0.855** | **387.0** | **2.0** |
| **STD DEV** | | | | | **0.280** | **0.607** | **1.546** | **0.013** | **0.720** | **0.945** | **0.948** | **1.668** | **25.7** | **63.0** |
| **NO OF SAMPLES** | | | | | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** |

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 16 1350 | | | .3 | 1 | 415.0 | 700.0 | 43.000 | 7.98 | 8.0 |
| 80 02 20 1525 | | | .3 | 1 | 466.0 | 760.0 | 63.000 | 8.04 | 7.6 |
| 80 03 19 1545 | | | .3 | 1 | 218.000 | 335.0 | 21.000 | 7.64 | 7.3 |
| 80 04 16 1500 | | | .3 | 1 | 384.0 | 620.0 | 14.000 | 8.14 | 7.6 |
| 80 05 23 1500 | | | .3 | 1 | | | | | 7.8 |
| 80 06 25 1430 | | | .3 | 1 | 443 | 700 | | 8.48 | 8.0 |
| 80 07 23 1440 | | | .3 | 1 | 409.0 | 650.0 | 43.500 | 8.06 | 7.5 |
| 80 08 14 1440 | | | .3 | 1 | | | | | 8.0 |
| 80 09 25 1515 | | | .3 | 1 | 426.0 | 700.0 | 52.000 | 7.52 | |
| 80 10 23 1515 | | | .3 | 1 | | | | | 8.1 |
| 80 11 24 1125 | | | .3 | 1 | 452.0 | 740.0 | 62.000 | 8.36 | 7.7 |
| 80 12 16 1145 | | | .3 | 1 | 1.000 | 780.0 | 46.000 | 7.87 | |
| **MAXIMUM** | | | | | **466.0** | **780.0** | **63.000** | **8.48** | **8.1** |
| **ARITH MEAN** | | | | | **357** | **665** | **43.062** | **8.01** | **7.8** |
| **GEOM MEAN** | | | | | **202** | **648** | **38.802** | **8.00** | **7.8** |
| **MINIMUM** | | | | | **1.000** | **335.0** | **14.000** | **7.52** | **7.3** |
| **STD DEV** | | | | | **152** | **133** | **17.632** | **0.31** | **0.3** |
| **NO OF SAMPLES** | | | | | **9** | **9** | **8** | **9** | **10** |

STATION ID: **03-0057-010-02**

B.O.W./SITE: **PINE RIVER**
SAMPLE POINT: **UPSTREAM FROM NOTTAWASAGA RIVER ANGUS**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **NOTTAWASAGA RIVER**

STORET CODE: **02**
**002**
**2470**

LAT:
LONG:
U.T.M: **17 0588800.0 4907600.0 4**
REGION: **03**
DISTANCE: **51.819**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 17 1220 | | | .3 | 1 | 22068 | 6 | 360 | 1350 | 20I | 20I | 0.8 | 11.9 | 0.2 | 0.054 |
| 80 02 21 1150 | | | .3 | 1 | 22140 | 6 | 140I | 280 | 30I | 10< | 0.0 | 11.7 | 2.0 | 0.037 |
| 80 03 20 1200 | | | .3 | 1 | 22186 | 6 | 5800 | 21000 | 40I | 2640 | 1.0 | 11.2 | 3.0 | 0.335 |
| 80 04 17 1315 | | | .3 | 1 | 22240 | 6 | 900I | 2800 | 20I | 620 | 3.2 | 10.8 | 0.4 | 0.082 |
| 80 05 26 1405 | | | .3 | 1 | 22289 | 6 | 220C | 7800 | 20I | 20< | 15.0 | 8.9 | 0.6 | 0.069 |
| 80 06 26 1250 | | | .3 | 1 | 22339 | 6 | 680C | 18000 | 110 | 80I | 21.2 | 6.7 | 0.6 | 0.075 |
| 80 07 21 1415 | | | .3 | 1 | 22348 | 6 3 | | | | | 19.0 | 9.9 | 2.0 | 0.625 |
| 80 08 15 1315 | | | .3 | 1 | 22436 | 6 | 90I | 2500 | 40I | 60I | 17.8 | 8.3 | 0.6 | 0.029 |
| 80 09 26 1215 | | | .3 | 1 | 22486 | 6 | 1900 | 17500 | 360 | 700 | 9.9 | 9.3 | 1.2 | 0.050 |
| 80 10 28 1205 | | | .3 | 1 | 22536 | 6 | 100I | 2700 | 10I | 40I | 4.7 | 11.2 | | |
| 80 11 28 1145 | | | .3 | 1 | 22584 | 6 | 430 | 320 | 10< | 10I | 1.5 | 11.6 | 0.2 | 0.049 |
| 80 12 15 1220 | | | .3 | 1 | 22596 | 8 | 1030C | 4100 | 10< | 10< | | | 0.6 | 0.195 |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| MAXIMUM | | | | | | | 5800 | 21000 | 360 | 2840 | 21.2 | 11.9 | 3.0 | 0.626 |
| ARITH MEAN | | | | | | | 1059 | 7123 | 61L | 383L | 8.6 | 10.1 | 1.0 | 0.146 |
| GEOM MEAN | | | | | | | 478 | 3287 | 30L | 65L | 4.6 | 10.0 | 0.7 | 0.068 |
| MINIMUM | | | | | | | 90 | 280 | 10< | 10< | 0.0 | 6.7 | 0.2 | 0.029 |
| STD DEV | | | | | | | 1663 | 7837 | 103L | 790L | 8.3 | 1.7 | 0.9 | 0.183 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 17 1220 | | | .3 | 1 | 0.015 | 0.070 | 0.450 | 0.011 | 2.440 | 2.521 | 0.380 | 2.901 | 303.0 | 24.0 |
| 80 02 21 1150 | | | .3 | 1 | 0.021 | 0.118 | 0.390 | 0.014 | 2.240 | 2.372 | 0.272 | 2.644 | 296.0 | 14.0 |
| 80 03 20 1200 | | | .3 | 1 | 0.050 | 0.230 | 1.550 | 0.029 | 1.320 | 1.579 | 1.320 | 2.899 | 424.0 | 242.0 |
| 80 04 17 1315 | | | .3 | 1 | 0.038 | 0.040 | 0.500 | 0.015 | 1.680 | 1.735 | 0.460 | 2.195 | 325.0 | 52.0 |
| 80 05 26 1405 | | | .3 | 1 | 0.034 | 0.016 | 0.390 | 0.014 | 1.540 | 1.570 | 0.374 | 1.944 | 290.0 | 10.0 |
| 80 06 26 1250 | | | .3 | 1 | 0.042 | 0.034 | 0.430 | 0.015 | 1.380 | 1.429 | 0.396 | 1.825 | 279.0 | 9.0 |
| 80 07 21 1415 | | | .3 | 1 | 0.044 | 0.050 | 2.300 | 0.030 | 0.720 | 0.800 | 2.250 | 3.050 | 694.0 | 492.0 |
| 80 08 15 1315 | | | .3 | 1 | 0.019 | 0.022 | 0.310 | 0.007 | 1.540 | 1.569 | 0.288 | 1.857 | 291.0 | 8.0 |
| 80 09 26 1215 | | | .3 | 1 | 0.016 | 0.040 | 0.38 | 0.010 | 1.04 | 1.090 | 0.340 | 1.430 | 291 | 31 |
| 80 11 28 1145 | | | .3 | 1 | 0.036 | 0.012 | 0.300 | 0.008 | 1.840 | 1.860 | 0.288 | 2.148 | 293.0 | 5.0 |
| 80 12 15 1220 | | | .3 | 1 | 0.125 | 0.028 | 0.360 | 0.007 | 1.790 | 1.825 | 0.332 | 2.157 | 300.0 | 11.0 |
| MAXIMUM | | | | | 0.125 | 0.230 | 2.300 | 0.030 | 2.440 | 2.521 | 2.250 | 3.050 | 694.0 | 492.0 |
| ARITH MEAN | | | | | 0.040 | 0.060 | 0.66 | 0.015 | 1.59 | 1.668 | 0.609 | 2.277 | 344 | 81 |
| GEOM MEAN | | | | | 0.033 | 0.041 | 0.51 | 0.013 | 1.51 | 1.596 | 0.460 | 2.221 | 330 | 25 |
| MINIMUM | | | | | 0.015 | 0.012 | 0.300 | 0.007 | 0.720 | 0.800 | 0.272 | 1.430 | 279.0 | 5.0 |
| STD DEV | | | | | 0.031 | 0.064 | 0.64 | 0.008 | 0.49 | 0.496 | 0.620 | 0.525 | 122 | 152 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 17 1220 | | | .3 | 1 | 279.0 | 455.0 | 9.750 | 7.77 | 7.8 |
| 80 02 21 1150 | | | .3 | 1 | 282.0 | 445.0 | 9.300 | 7.71 | 7.6 |
| 80 03 20 1200 | | | .3 | 1 | 182.000 | 280.0 | 7.150 | 7.94 | 7.4 |
| 80 04 17 1315 | | | .3 | 1 | 273.000 | 420.0 | 8.300 | 8.19 | 7.3 |
| 80 05 26 1405 | | | .3 | 1 | 280.000 | 430.0 | 9.150 | 8.33 | 7.7 |
| 80 06 26 1250 | | | .3 | 1 | 270.000 | 415.0 | 10.000 | 8.30 | 7.8 |
| 80 07 21 1415 | | | .3 | 1 | 202.000 | 310.0 | 5.450 | 7.69 | 7.1 |
| 80 08 15 1315 | | | .3 | 1 | 283.000 | 435.0 | 10.000 | 8.24 | 7.8 |
| 80 09 26 1215 | | | .3 | 1 | 263 | 435 | 8.35 | 8.05 | |
| 80 10 28 1205 | | | .3 | 1 | | | | | 7.8 |
| 80 11 28 1145 | | | .3 | 1 | 288.0 | 470.0 | 11.000 | 8.19 | 7.9 |
| 80 12 15 1220 | | | .3 | 1 | 289.0 | 480.0 | 10.000 | 8.22 | |
| MAXIMUM | | | | | 289.0 | 480.0 | 11.000 | 8.33 | 7.9 |
| ARITH MEAN | | | | | 262 | 415 | 8.95 | 8.06 | 7.6 |
| GEOM MEAN | | | | | 260 | 410 | 8.80 | 8.05 | 7.6 |
| MINIMUM | | | | | 182.000 | 280.0 | 5.450 | 7.69 | 7.1 |
| STD DEV | | | | | 36 | 63 | 1.56 | 0.24 | 0.3 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 10 |

B.O.W./ SITE: **BOYNE RIVER**
SAMPLE POINT: **1ST.BR.ON HIGHWAY 24 N.OF HIGHWAY 10**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **NOTTAWASAGA RIVER**

STATION ID: **03-0057-011-02**
STORET CODE: **02**
**002**
**2470**

LAT.
LONG:
U T M: **17 0564875.0 4881425.0 4**
REGION: **02**
DISTANCE: **122.468**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 31 1355 | | | .3 | 1 | 28319 | 6 0 | 1200000 | 10000000 | 32000 | 12000 | 2.0 | 8.5 | 18.0 | 1.300 |
| 80 03 12 1315 | | | .3 | 1 | 28385 | 4 6 0 | 840000 | 740000 | 310000 | 13000 | 1.3 | 4.2 | 54.0 | 4.700 |
| 80 03 27 1140 | | | .3 | 1 | 28442 | 3 0 | 2700000 | 8000000 | 120000 | 21000 | 3.0 | 9.9 | 12.0 | 0.980 |
| 80 04 22 1300 | | | .3 | 1 | 28469 | 6 | 7000I | 34000 | 800I | 100< | 14.0 | 14.6 | 1.6 | 0.358 |
| 80 05 08 1350 | | | .3 | 1 | 28517 | 5 | 3900 | 18500 | 150I | 60I | 13.0 | 15.4 | 9.2 | 1.280 |
| 80 06 05 1525 | | | .3 | 1 | 28556 | 5 | 3000> | 3000> | 3000> | 3000> | 20.5 | 8.2 | 12.0 | 2.420 |
| 80 07 08 1350 | | | .3 | 1 | 80087 | 5 | | | | | 23.0 | 5.0 | | 2.000 |
| 80 07 09 0105 | | | .3 | 1 | 80086 | 5 | | | | | 19.5 | 4.7 | | 1.618 |
| 80 07 17 1400 | | | .3 | 1 | 28611 | 6 | 4000 | 335000 | 460 | 740 | 25.1 | 8.1 | 14.0 | 1.600 |
| 80 08 12 1435 | | | .3 | 1 | 28665 | 6 | 20000C | 690000 | 2700 | 15000> | 23.0 | 6.6 | 7.0 | 1.830 |
| 80 09 29 1235 | | | .3 | 1 | 28705 | 5 | 41000 | 97000 | 2100 | 240 | 12.1 | 12.6 | 15 | 1.54 |
| 80 10 21 1305 | | | .3 | 1 | 28766 | 6 | 4100 | 18000 | 380 | 90I | 7.5 | 11.2 | 13.0 | 0.815 |
| 80 11 25 1240 | | | .3 | 1 | 28808 | 5 | 30000 | 100000 | 2460 | 290 | 4.0 | 12.1 | 5.0 | 1.380 |
| 80 12 18 1140 | | | .3 | 1 | 28854 | 6 0 | 15000> | 15000> | 3000> | 3000> | 2.0 | 4.5 | 18.0 | 1.950 |
| MAXIMUM | | | | | | | 2700000> | 10000000> | 310000> | 21000> | 25.1 | 15.4 | 54.0 | 4.700 |
| ARITH MEAN | | | | | | | 405667G | 1670875G | 39754G | 5710B | 12.1 | 9.0 | 14 | 1.69 |
| GEOM MEAN | | | | | | | 32421G | 142072G | 3478G | 1233B | 8.1 | 8.2 | 11 | 1.46 |
| MINIMUM | | | | | | | 3000 | 3000 | 150 | 60< | 1.3 | 4.2 | 1.6 | 0.358 |
| STD DEV | | | | | | | 823746G | 3459578G | 91749G | 7425B | 8.9 | 3.8 | 13 | 1.01 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 14 | 14 | 12 | 14 |

(CONTD)

| | | | |
|---|---|---|---|
| B.O.W./SITE: **BOYNE RIVER** | | | STATION ID: **03-0057-011-02** |
| SAMPLE POINT: **1ST.BR.ON HIGHWAY 24 N.OF HIGHWAY 10** | MAJOR BASIN: **GREAT LAKES** | | STORET CODE: **02**<br>**002**<br>**2470** |
| STATION TYPE: **RIVER** | MINOR BASIN: **LAKE HURON** | | |
| | TERM STREAM: **NOTTAWASAGA RIVER** | | |
| LAT | LONG | U.T.M. **17 0564875.0 4881425.0 4** | REGION **02** DISTANCE **122.468** |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 31 1355 | | | .3 | 1 | 1.060 | 6.110 | 7.750 | 0.038 | 1.760 | 7.908 | 1.640 | 9.548 | 638.0 | 19.0 |
| 80 03 12 1315 | | | .3 | 1 | 4.300 | 4.400 | 27.500 | 0.034 | 0.177 | 4.611 | 23.100 | 27.711 | 872.0 | 18.0 |
| 80 03 27 1140 | | | .3 | 1 | 0.620 | 3.300 | 6.050 | 0.036 | 1.960 | 5.296 | 2.750 | 8.046 | 524.0 | 164.0 |
| 80 04 22 1300 | | | .3 | 1 | 0.260 | 1.550 | 2.770 | 0.026 | 2.220 | 3.796 | 1.220 | 5.016 | 518.0 | 5.0 |
| 80 05 08 1350 | | | .3 | 1 | 0.680 | 3.310 | 7.100 | 0.160 | 0.525 | 3.995 | 3.790 | 7.785 | 599.0 | 21.0 |
| 80 06 05 1525 | | | .3 | 1 | 0.010 | 0.140 | 9.550 | 0.010 | 0.733 | 0.883 | 9.410 | 10.293 | 688.0 | 22.0 |
| 80 07 08 1350 | | | .3 | 1 | 0.824 | 1.740 | 4.740 | 0.580 | 2.420 | 4.740 | 3.000 | 7.740 | | |
| 80 07 09 0105 | | | .3 | 1 | 0.260 | 3.500 | 6.670 | 0.410 | 1.040 | 4.950 | 3.170 | 8.120 | | |
| 80 07 17 1400 | | | .3 | 1 | 1.550 | 3.40 | 8.100 | 0.310 | 0.740 | 4.450 | 4.700 | 9.150 | 638.0 | 14.0 |
| 80 08 12 1435 | | | .3 | 1 | 1.240 | 3.600 | 7.450 | 0.295 | 0.076 | 3.971 | 3.850 | 7.821 | 526.0 | 15.0 |
| 80 09 29 1235 | | | .3 | 1 | 1.0 | 1.24 | 5.60 | 0.570 | 0.830 | 2.640 | 4.360 | 7.000 | 615 | 21 |
| 80 10 21 1305 | | | .3 | 1 | 0.390 | 0.264 | 3.250 | 0.029 | 1.670 | 1.963 | 2.986 | 4.949 | 567.0 | 26.0 |
| 80 11 25 1240 | | | .3 | 1 | 1.000 | 2.400 | 6.000 | 0.034 | 1.120 | 3.554 | 3.600 | 7.154 | 594.0 | 22.0 |
| 80 12 18 1140 | | | .3 | 1 | 1.600 | 8.600 | 10.700 | 0.015 | 1.080 | 9.695 | 2.100 | 11.795 | 649.0 | 20.0 |
| MAXIMUM | | | | | 4.300 | 8.600 | 27.500 | 0.580 | 2.420 | 9.695 | 23.100 | 27.711 | 872.0 | 164.0 |
| ARITH MEAN | | | | | 1.0 | 3.11 | 8.08 | 0.182 | 1.168 | 4.461 | 4.977 | 9.438 | 619 | 30 |
| GEOM MEAN | | | | | 0.6 | 2.09 | 6.88 | 0.079 | 0.861 | 3.905 | 3.658 | 8.555 | 612 | 20 |
| MINIMUM | | | | | 0.010 | 0.140 | 2.770 | 0.010 | 0.076 | 0.883 | 1.220 | 4.949 | 518.0 | 5.0 |
| STD DEV | | | | | 1.0 | 2.26 | 5.99 | 0.212 | 0.734 | 2.226 | 5.566 | 5.588 | 96 | 42 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 31 1355 | | | .3 | 1 | 619.0 | 1000.0 | 8.70 | 98.000 | 7.79 | |
| 80 03 12 1315 | | | .3 | 1 | 854.0 | 1550.0 | 28.00 | 190.000 | 7.48 | |
| 80 03 27 1140 | | | .3 | 1 | 360.0 | 580.0 | 60.00 | 60.000 | 7.69 | |
| 80 04 22 1300 | | | .3 | 1 | 513.0 | 800.0 | 4.40 | 76.000 | 8.36 | |
| 80 05 08 1350 | | | .3 | 1 | 578.0 | 900.0 | 6.70 | 114.000 | 8.79 | |
| 80 06 05 1525 | | | .3 | 1 | 666.0 | 1050.0 | 12.00 | 127.000 | 8.23 | |
| 80 07 08 1350 | | | .3 | 1 | | 600.0 | | | 7.46 | 7.80 |
| 80 07 09 0105 | | | .3 | 1 | | 900.0 | | | 7.74 | 7.70 |
| 80 07 17 1400 | | | .3 | 1 | 624.0 | 950.0 | 12.00 | 88.500 | 7.69 | 8.15 |
| 80 08 12 1435 | | | .3 | 1 | 511.0 | 850.0 | 8.00 | 93.500 | 8.05 | 8.3 |
| 80 09 29 1235 | | | .3 | 1 | 594 | 980 | 6.3 | 101.5 | 7.58 | 8.8 |
| 80 10 21 1305 | | | .3 | 1 | 541.0 | 900.0 | 6.00 | 74.000 | 8.34 | 8.1 |
| 80 11 25 1240 | | | .3 | 1 | 572.0 | 960.0 | 6.00 | 80.000 | 8.17 | 8.3 |
| 80 12 18 1140 | | | .3 | 1 | 629.0 | 1080.0 | 3.60 | 92.000 | 7.58 | 7.4 |
| MAXIMUM | | | | | 854.0 | 1550.0 | 60.00 | 190.000 | 8.79 | 8.8 |
| ARITH MEAN | | | | | 588 | 935 | 13.4 | 99.5 | 7.92 | 8.0 |
| GEOM MEAN | | | | | 577 | 911 | 9.2 | 95.3 | 7.92 | 8.0 |
| MINIMUM | | | | | 360.0 | 580.0 | 3.60 | 60.000 | 7.46 | 7.4 |
| STD DEV | | | | | 115 | 229 | 16.0 | 33.7 | 0.40 | 0.4 |
| NO OF SAMPLES | | | | | 12 | 14 | 12 | 12 | 14 | 8 |

| | | | |
|---|---|---|---|
| B.O.W./SITE: **BOYNE RIVER** | | | STATION ID: **03-0057-012-02** |
| SAMPLE POINT: **1ST.CONC.E.OF HWY.24 N.OF HWY 10** | MAJOR BASIN: **GREAT LAKES** | | STORET CODE: **02**<br>**002**<br>**2470** |
| STATION TYPE: **RIVER** | MINOR BASIN: **LAKE HURON** | | |
| | TERM STREAM: **NOTTAWASAGA RIVER** | | |
| LAT | LONG | U.T.M. **17 0565825.0 4883900.0 4** | REGION **02** DISTANCE **118.605** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 31 1345 | | | .3 | 1 | 28318 | 4 | 3020C | 6800 | 1310 | 180 | 1.0 | 11.4 | 2.0 | 0.338 |
| 80 03 12 1305 | | | .3 | 1 | 28384 | 4 | 12000 | 10000 | 2800 | 240 | 1.2 | 11.8 | 1.4 | 0.435 |
| 80 03 27 1130 | | | .3 | 1 | 28441 | 6 | 13500C | 24000 | 2400 | 740 | 3.0 | 11.6 | 1.2 | 0.099 |
| 80 04 22 1250 | | | .3 | 1 | 28468 | 6 | 80I | 2000 | 10< | 10< | 10.0 | 12.0 | 0.4 | 0.039 |
| 80 05 08 1330 | | | .3 | 1 | 28516 | 6 | 240 | 3300 | 4< | 24 | 9.5 | 13.4 | 1.2 | 0.088 |
| 80 06 05 1515 | | | .3 | 1 | 28555 | 6 | 2100C | 44000 | 212 | 148 | 19.5 | 8.2 | 0.8 | 0.176 |
| 80 07 08 1340 | | | .3 | 1 | 80085 | 6 | | | | | 21.0 | 6.8 | | 0.393 |
| 80 07 09 0055 | | | .3 | 1 | 80084 | 6 | | | | | 21.0 | 6.3 | | 0.285 |
| 80 07 17 1350 | | | .3 | 1 | 28610 | 6 | 860C | 14600 | 188 | 260 | 23.0 | 10.2 | 1.4 | 0.145 |
| 80 08 12 1445 | | | .3 | 1 | 28664 | 6 | 3600C | 90000 | 940 | 1000 | 20.0 | 10.0 | 1.2 | 0.170 |
| 80 09 29 1245 | | | .3 | 1 | 28704 | 7 | 1500 | 9000 | 40I | 60I | 11.0 | 15.8 | 1.1 | 0.095 |
| 80 10 21 1255 | | | .3 | 1 | 28765 | 6 | 440 | 3900 | 50I | 80I | 7.0 | 10.6 | 1.2 | 0.080 |
| 80 11 25 1235 | | | .3 | 1 | 28807 | 6 | 500 | 4200 | 40I | 30I | 3.5 | 12.6 | 0.4 | 0.097 |
| 80 12 18 1130 | | | .3 | 1 | 28853 | 4 | 1500> | 1500> | 600> | 600> | 1.5 | 9.1 | 1.2 | 0.111 |
| MAXIMUM | | | | | | | 13500> | 90000> | 2800> | 1000> | 23.0 | 15.8 | 2.0 | 0.435 |
| ARITH MEAN | | | | | | | 3278G | 17775G | 716B | 281B | 10.9 | 10.7 | 1.1 | 0.182 |
| GEOM MEAN | | | | | | | 1329G | 8477G | 171B | 131B | 6.9 | 10.4 | 1.0 | 0.146 |
| MINIMUM | | | | | | | 80 | 1500 | 4< | 10< | 1.0 | 6.3 | 0.4 | 0.039 |
| STD DEV | | | | | | | 4568G | 25781G | 977B | 323B | 8.4 | 2.6 | 0.4 | 0.128 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 14 | 14 | 12 | 14 |

(CONTD)

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 31 1345 | | | .3 | 1 | 0.320 | 1.880 | 2.280 | 0.023 | 2.280 | 4.183 | 0.400 | 4.583 | 414.0 | 1.0 |
| 80 03 12 1305 | | | .3 | 1 | 0.380 | 2.100 | 2.920 | 0.018 | 2.180 | 4.298 | 0.820 | 5.118 | 430.0 | 3.0 |
| 80 03 27 1130 | | | .3 | 1 | 0.057 | 0.342 | 1.080 | 0.020 | 1.180 | 1.542 | 0.738 | 2.280 | 271.0 | 11.0 |
| 80 04 22 1250 | | | .3 | 1 | 0.015 | 0.044 | 0.600 | 0.012 | 0.873 | 0.929 | 0.556 | 1.485 | 308.0 | 0.4 |
| 80 05 08 1330 | | | .3 | 1 | 0.050 | 0.056 | 0.720 | 0.023 | 1.030 | 1.109 | 0.664 | 1.773 | 341.0 | 4.0 |
| 80 06 05 1515 | | | .3 | 1 | 0.020 | 0.070 | 0.890 | 0.044 | 0.703 | 0.817 | 0.820 | 1.637 | 350.0 | 5.0 |
| 80 07 08 1340 | | | .3 | 1 | 0.211 | 0.300 | 1.630 | 0.083 | 0.687 | 1.070 | 1.330 | 2.400 | | |
| 80 07 09 0055 | | | .3 | 1 | 0.195 | 0.176 | 1.250 | 0.085 | 1.060 | 1.321 | 1.074 | 2.395 | | |
| 80 07 17 1350 | | | .3 | 1 | 0.102 | 0.096 | 0.980 | 0.049 | 0.526 | 0.671 | 0.884 | 1.555 | 338.0 | 6.0 |
| 80 08 12 1445 | | | .3 | 1 | 0.120 | 0.025 | 0.770 | 0.046 | 0.804 | 0.875 | 0.745 | 1.620 | 360.0 | 5.0 |
| 80 09 29 1245 | | | .3 | 1 | 0.053 | 0.022 | 0.78 | 0.010 | 0.710 | 0.742 | 0.758 | 1.500 | 385 | 12 |
| 80 10 21 1255 | | | .3 | 1 | 0.031 | 0.010 | 0.780 | 0.006 | 0.639 | 0.655 | 0.770 | 1.425 | 381.0 | 4.0 |
| 80 11 25 1235 | | | .3 | 1 | 0.063 | 0.152 | 0.710 | 0.013 | 1.240 | 1.405 | 0.558 | 1.963 | 742.0 | 18.0 |
| 80 12 18 1130 | | | .3 | 1 | 0.091 | 0.580 | 1.230 | 0.004 | 1.550 | 2.134 | 0.650 | 2.784 | 394.0 | 5.0 |
| MAXIMUM | | | | | 0.380 | 2.100 | 2.920 | 0.085 | 2.280 | 4.298 | 1.330 | 5.118 | 742.0 | 18.0 |
| ARITH MEAN | | | | | 0.122 | 0.418 | 1.18 | 0.031 | 1.104 | 1.554 | 0.769 | 2.323 | 392 | 6 |
| GEOM MEAN | | | | | 0.061 | 0.134 | 1.06 | 0.022 | 1.000 | 1.269 | 0.739 | 2.128 | 380 | 4 |
| MINIMUM | | | | | 0.015 | 0.010 | 0.600 | 0.004 | 0.526 | 0.655 | 0.400 | 1.425 | 271.0 | 0.4 |
| STD DEV | | | | | 0.114 | 0.686 | 0.67 | 0.027 | 0.552 | 1.207 | 0.229 | 1.154 | 118 | 5 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 31 1345 | | | .3 | 1 | 413.0 | 740.0 | 1.90 | 37.500 | 8.01 | |
| 80 03 12 1305 | | | .3 | 1 | 427.0 | 680.0 | 3.10 | 41.500 | 7.91 | |
| 80 03 27 1130 | | | .3 | 1 | 260.000 | 400.0 | 4.60 | 18.000 | 7.99 | |
| 80 04 22 1250 | | | .3 | 1 | 308.0 | 475.0 | 1.30 | 19.000 | 8.24 | |
| 80 05 08 1330 | | | .3 | 1 | 337.0 | 550.0 | 1.60 | 24.000 | 8.49 | |
| 80 06 05 1515 | | | .3 | 1 | 345.0 | 550.0 | 2.70 | 28.500 | 8.36 | |
| 80 07 08 1340 | | | .3 | 1 | | 405.0 | | | 7.73 | 7.65 |
| 80 07 09 0055 | | | .3 | 1 | | 490.0 | | | 7.79 | 8.00 |
| 80 07 17 1350 | | | .3 | 1 | 332.0 | 485.0 | 2.30 | 25.500 | 8.07 | 8.2 |
| 80 08 12 1445 | | | .3 | 1 | 355.0 | 550.0 | 2.10 | 28.000 | 8.35 | 8.5 |
| 80 09 29 1245 | | | .3 | 1 | 373 | 600 | 1.3 | 26.5 | 8.38 | 8.5 |
| 80 10 21 1255 | | | .3 | 1 | 377.0 | 620.0 | 1.50 | 27.500 | 8.28 | 7.8 |
| 80 11 25 1235 | | | .3 | 1 | 724.0 | 630.0 | 1.30 | 30.500 | 8.19 | 8.2 |
| 80 12 18 1130 | | | .3 | 1 | 389.0 | 630.0 | 2.20 | 25.000 | 7.93 | 7.8 |
| MAXIMUM | | | | | 724.0 | 740.0 | 4.60 | 41.500 | 8.49 | 8.5 |
| ARITH MEAN | | | | | 386 | 557 | 2.1 | 27.6 | 8.12 | 8.0 |
| GEOM MEAN | | | | | 374 | 549 | 2.0 | 26.9 | 8.12 | 8.0 |
| MINIMUM | | | | | 260.000 | 400.0 | 1.30 | 18.000 | 7.73 | 7.65 |
| STD DEV | | | | | 115 | 99 | 0.9 | 6.6 | 0.24 | 0.3 |
| NO OF SAMPLES | | | | | 12 | 14 | 12 | 12 | 14 | 8 |

B.O.W./SITE: **BEETON CREEK**
SAMPLE POINT: **SECOND CONCESSION RD NORTH OF BEETON**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **NOTTAWASAGA RIVER**

STATION ID: **03-0057-014-02**
STORET CODE: **02**
**002**
**2470**

LAT:
LONG:
U.T.M.: **17 0598325.0 4884400.0 4**
REGION: **03**
DISTANCE: **93.861**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 17 1010 | | | .3 | 1 | 22064 | 6 | 2600 | 8900 | 100 | 210 | 1.0 | 11.5 | 0.2 | 0.133 |
| 80 02 21 1025 | | | .3 | 1 | 22136 | 4 | 200I | 800 | 20I | 20I | 0.0 | 10.4 | 0.4 | 0.024 |
| 80 03 20 1000 | | | .3 | 1 | 22183 | 6 | 8300 | 20000 | 150 | 1500> | 1.0 | 11.2 | 7.8 | 0.629 |
| 80 04 17 1045 | | | .3 | 1 | 22236 | 6 | 150000> | 44000 | 3000> | 860 | 2.6 | 10.4 | 1.2 | 0.140 |
| 80 05 26 1230 | | | .3 | 1 | 22285 | 6 | 240 | 12000 | 130 | 10< | 16.9 | 8.8 | 1.0 | 0.049 |
| 80 06 26 1100 | | | .3 | 1 | 22335 | 6 | 580C | 10000 | 330 | 460 | 23.9 | 6.5 | 1.4 | 0.076 |
| 80 07 21 1130 | | | .3 | 1 | 22344 | 6 | | | | | 21.2 | 5.1 | 2.0 | 1.480 |
| 80 08 15 1500 | | | .3 | 1 | 22439 | 6 | 240C | 7250 | 230 | 360 | 22.7 | 8.9 | 0.8 | 0.044 |
| 80 09 26 1400 | | | .3 | 1 | 22489 | 6 | 3200C | 41000 | 1250 | 1290 | 10.8 | 9.6 | 1.0 | 0.072 |
| 80 10 28 1400 | | | .3 | 1 | 22539 | 6 | 1000 | 15000 | 160I | 200 | 5.6 | 10.1 | | |
| 80 11 28 1330 | | | .3 | 1 | 22587 | 6 | 1500 | 3900 | 10I | 20I | 1.2 | 9.9 | 1.0 | 0.027 |
| 80 12 15 1030 | | | .3 | 1 | 22592 | 8 | 6800 | 21000 | 10I | 40I | | | 0.4 | 0.051 |
| MAXIMUM | | | | | | | 150000> | 44000 | 3000> | 1500> | 23.9 | 11.5 | 7.8 | 1.480 |
| ARITH MEAN | | | | | | | 15878G | 16714 | 490G | 452B | 9.7 | 9.3 | 1.6 | 0.248 |
| GEOM MEAN | | | | | | | 1815G | 10962 | 130G | 161B | 4.9 | 9.1 | 1.0 | 0.097 |
| MINIMUM | | | | | | | 200 | 800 | 10 | 10< | 0.0 | 5.1 | 0.2 | 0.024 |
| STD DEV | | | | | | | 44567G | 14149 | 903G | 533B | 9.7 | 1.9 | 2.1 | 0.444 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 17 1010 | | | .3 | 1 | 0.021 | 0.178 | 0.800 | 0.015 | 1.280 | 1.473 | 0.622 | 2.095 | 417.0 | 75.0 |
| 80 02 21 1025 | | | .3 | 1 | 0.004 | 0.136 | 0.360 | 0.010 | 1.140 | 1.286 | 0.224 | 1.510 | 351.0 | 7.0 |
| 80 03 20 1000 | | | .3 | 1 | 0.029 | 0.350 | 2.650 | 0.042 | 1.910 | 2.302 | 2.300 | 4.602 | 588.0 | 416.0 |
| 80 04 17 1045 | | | .3 | 1 | 0.023 | 0.212 | 1.050 | 0.021 | 1.980 | 2.213 | 0.838 | 3.051 | 473.0 | 87.0 |
| 80 05 26 1230 | | | .3 | 1 | 0.007 | 0.085 | 0.690 | 0.027 | 0.218 | 0.330 | 0.605 | 0.935 | 360.0 | 6.0 |
| 80 06 26 1100 | | | .3 | 1 | 0.020 | 0.134 | 0.590 | 0.056 | 0.274 | 0.464 | 0.456 | 0.920 | 334.0 | 10.0 |
| 80 07 21 1130 | | | .3 | 1 | 0.055 | 0.086 | 3.300 | 0.079 | 1.520 | 1.685 | 3.214 | 4.899 | 1062.0 | 834.0 |
| 80 08 15 1500 | | | .3 | 1 | 0.007 | 0.050 | 0.550 | 0.011 | 0.199 | 0.260 | 0.500 | 0.760 | 350.0 | 11.0 |
| 80 09 26 1400 | | | .3 | 1 | 0.012 | 0.080 | 0.62 | 0.024 | 0.520 | 0.624 | 0.540 | 1.164 | 382 | 27 |
| 80 11 28 1330 | | | .3 | 1 | 0.003 | 0.246 | 0.610 | 0.017 | 0.838 | 1.101 | 0.364 | 1.465 | 403.0 | 10.0 |
| 80 12 15 1030 | | | .3 | 1 | 0.008 | 0.142 | 0.640 | 0.014 | 1.290 | 1.446 | 0.498 | 1.944 | 432.0 | 18.0 |
| MAXIMUM | | | | | 0.055 | 0.350 | 3.300 | 0.079 | 1.980 | 2.302 | 3.214 | 4.899 | 1062.0 | 834.0 |
| ARITH MEAN | | | | | 0.017 | 0.154 | 1.07 | 0.029 | 1.016 | 1.199 | 0.924 | 2.122 | 468 | 136 |
| GEOM MEAN | | | | | 0.012 | 0.134 | 0.83 | 0.023 | 0.770 | 0.961 | 0.667 | 1.750 | 440 | 33 |
| MINIMUM | | | | | 0.003 | 0.050 | 0.360 | 0.010 | 0.199 | 0.260 | 0.224 | 0.760 | 334.0 | 6.0 |
| STD DEV | | | | | 0.016 | 0.088 | 0.96 | 0.022 | 0.664 | 0.717 | 0.942 | 1.466 | 209 | 260 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

(CONTD)

B O W / SITE: **BEETON CREEK**
SAMPLE POINT: **SECOND CONCESSION RD NORTH OF BEETON**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **NOTTAWASAGA RIVER**

STATION ID: **03-0057-014-02**
STORET CODE: **02**
**002**
**2470**

LAT: LONG: U T M: **17 0598325.0 4884400.0 4** REGION: **03** DISTANCE: **93.861**

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 17 1010 | | | .3 | 1 | 342.0 | 560.0 | 21.000 | 7.88 | 7.4 |
| 80 02 21 1025 | | | .3 | 1 | 344.0 | 560.0 | 21.000 | 7.84 | 7.4 |
| 80 03 20 1000 | | | .3 | 1 | 172.000 | 265.0 | 10.000 | 7.83 | 7.4 |
| 80 04 17 1045 | | | .3 | 1 | 386.0 | 560.0 | 20.000 | 8.03 | 7.1 |
| 80 05 26 1230 | | | .3 | 1 | 354.0 | 550.0 | 30.000 | 8.11 | 7.5 |
| 80 06 26 1100 | | | .3 | 1 | 324.0 | 550.0 | 26.000 | 8.09 | 7.5 |
| 80 07 21 1130 | | | .3 | 1 | 228.000 | 350.0 | 11.000 | 7.69 | 7.4 |
| 80 08 15 1500 | | | .3 | 1 | 339.0 | 550.0 | 24.000 | 8.11 | 7.6 |
| 80 09 26 1400 | | | .3 | 1 | 355 | 580 | 24.5 | 8.10 | |
| 80 10 28 1400 | | | .3 | 1 | | | | | 7.7 |
| 80 11 26 1330 | | | .3 | 1 | 393.0 | 640.0 | 28.500 | 8.14 | 7.5 |
| 80 12 15 1030 | | | .3 | 1 | 414.0 | 680.0 | 22.500 | 7.90 | |
| MAXIMUM | | | | | 414.0 | 680.0 | 30.000 | 8.14 | 7.7 |
| ARITH MEAN | | | | | 331 | 531 | 21.6 | 7.97 | 7.4 |
| GEOM MEAN | | | | | 323 | 515 | 20.6 | 7.97 | 7.4 |
| MINIMUM | | | | | 172.000 | 265.0 | 10.000 | 7.69 | 7.1 |
| STD DEV | | | | | 71 | 119 | 6.3 | 0.15 | 0.2 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 10 |

B O W / SITE: **MAD RIVER**
SAMPLE POINT: **AT CONCESSION ROAD 2 TOSORONTIO TOWNSHIP**
STATION TYPE: **RIVER FLOW GAUGE FED 02ED005**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **NOTTAWASAGA RIVER**

STATION ID: **03-0057-021-02**
STORET CODE: **02**
**002**
**2470**

LAT: LONG: U T M: **17 0579600.0 4906025.0 4** REGION: **03** DISTANCE: **62.119**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 16 1430 | | | .3 | 1 | 22061 | 6 | 4.600 | 340 | 700 | 12 | 30I | 0.0 | 14.9 | 0.024 |
| 80 02 20 1600 | | | .3 | 1 | 22133 | 6 | 2.200 | 640 | | 132 | | 0.0 | 10.6 | 0.026 |
| 80 03 19 1620 | | | .3 | 1 | 22180 | 6 | 9.690 | 3800C | 27000 | 200 | 2200 | 2.0 | 12.0 | 0.338 |
| 80 04 16 1530 | | | .3 | 1 | 22232 | 6 | 20.000 | 140I | 580 | 40I | 200I | 3.1 | 11.4 | 0.043 |
| 80 05 23 1530 | | | .3 | 1 | 22282 | 6 | 3.420 | 90C | 4600 | 44 | 68 | 19.9 | 8.6 | |
| 80 06 25 1500 | | | .3 | 1 | 22332 | 6 | 2.280 | 330 | 1700 | 170 | 80I | 22.5 | 7.7 | 0.024 |
| 80 07 23 1500 | | | .3 | 1 | 22372 | 6 | 4.050 | | | | | 20.9 | 7.7 | 0.075 |
| 80 08 14 1500 | | | .3 | 1 | 22432 | 6 | 2.190 | 1000 | 12500 | 180I | 940 | 20.0 | 8.4 | |
| 80 09 25 1545 | | | .3 | 1 | 22482 | 6 | 3.420 | | | | | 11.7 | 9.6 | 0.021 |
| 80 10 23 1545 | | | .3 | 1 | 22532 | 6 | 2.850 | 200 | 4400 | 20< | 100I | 5.8 | 11.4 | |
| 80 11 24 1100 | | | .3 | 1 | 22542 | 6 | 3.340 | 480 | 1200 | 60I | 30I | 4.0 | 11.2 | 0.008 |
| 80 12 16 1120 | | | .3 | 1 | 22599 | 6 | 4.050 | 360 | 1880 | 40I | 80I | | | 0.034 |
| MAXIMUM | | | | | | | 20.000 | 3800 | 27000 | 200 | 2200 | 22.5 | 14.9 | 0.338 |
| ARITH MEAN | | | | | | | 5.174 | 738 | 6062 | 90L | 414 | 10.0 | 10.3 | 0.066 |
| GEOM MEAN | | | | | | | 4.021 | 405 | 2802 | 62L | 138 | 5.9 | 10.1 | 0.036 |
| MINIMUM | | | | | | | 2.190 | 90 | 580 | 12< | 30 | 0.0 | 7.7 | 0.008 |
| STD DEV | | | | | | | 5.082 | 1108 | 8667 | 73L | 729 | 9.2 | 2.2 | 0.104 |
| NO OF SAMPLES | | | | | | | 12 | 10 | 9 | 10 | 9 | 11 | 11 | 9 |

| TEST-NAME: | | | | | NNHTFR | COND25 | PH | FWPH |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NH3-N TOTAL FIL.REAC MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | PH | PH FIELD |
| 80 01 16 1430 | | | .3 | 1 | 0.010 | 485.0 | 8.21 | 8.1 |
| 80 02 20 1600 | | | .3 | 1 | 0.020 | 510.0 | 8.08 | 7.8 |
| 80 03 19 1620 | | | .3 | 1 | 0.310 | 365.0 | 8.08 | 7.5 |
| 80 04 16 1530 | | | .3 | 1 | 0.014 | 385.0 | 8.28 | 7.7 |
| 80 05 23 1530 | | | .3 | 1 | | | | 7.9 |
| 80 06 25 1500 | | | .3 | 1 | 0.010 | | | 7.9 |
| 80 07 23 1500 | | | .3 | 1 | 0.002< | 415.0 | 8.37 | 7.9 |
| 80 08 14 1500 | | | .3 | 1 | | | | 7.9 |
| 80 09 25 1545 | | | .3 | 1 | 0.038 | 445.0 | 8.01 | |
| 80 10 23 1545 | | | .3 | 1 | | | | 8.1 |
| 80 11 24 1100 | | | .3 | 1 | 0.012 | 495.0 | 8.35 | 7.6 |
| 80 12 16 1120 | | | .3 | 1 | 0.014 | 520.0 | 8.08 | |
| MAXIMUM | | | | | 0.310 | 520.0 | 8.37 | 8.1 |
| ARITH MEAN | | | | | 0.048L | 452.5 | 8.18 | 7.8 |
| GEOM MEAN | | | | | 0.017L | 449.0 | 8.18 | 7.8 |
| MINIMUM | | | | | 0.002< | 365.0 | 8.01 | 7.5 |
| STD DEV | | | | | 0.098L | 59.0 | 0.14 | 0.2 |
| NO OF SAMPLES | | | | | 9 | 8 | 8 | 10 |

SAMPLE INFORMATION SYSTEM　　1980 WATER QUALITY DATA　　DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **NOTTAWASAGA RIVER**
SAMPLE POINT: **AT HIGHWAY NO 26 EDENVALE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **NOTTAWASAGA RIVER**

STATION ID: **03-0057-023-02**
STORET CODE: **02**
**002**
**2470**

LAT:　LONG:　U T M: **17 0587600.0 4922450.0 4**　REGION: **03**　DISTANCE: **30.738**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 16 1130 | | | .3 | 1 | 22055 | 4 | 1440C | 6700 | 60 | 492 | 0.0 | 8.7 | 0.6 | 0.035 |
| 80 02 20 1245 | | | .3 | 1 | 22127 | 4 | 660 | 3200 | 70I | 40I | 0.0 | 8.6 | 0.8 | 0.035 |
| 80 03 19 1230 | | | .3 | 1 | 22174 | 4 | 10000C | 290000 | 520 | 15000> | 1.0 | 11.2 | 4.6 | 1.580 |
| 80 04 16 1225 | | | .3 | 1 | 22226 | 6 3 | 1600 | 6200 | 180I | 2400 | 2.0 | 10.2 | 0.4 | 0.113 |
| 80 05 23 1220 | | | .3 | 1 | 22276 | 6 | 300 | 4800 | 20I | 20I | 18.2 | 6.2 | | |
| 80 06 25 1150 | | | .3 | 1 | 22326 | 6 | 1200 | 4500 | 120 | 50I | 19.8 | 5.9 | 0.8 | 0.055 |
| 80 07 23 1150 | | | .3 | 1 | 22366 | 6 | | | | | 20.1 | 5.3 | 0.8 | 0.200 |
| 80 08 14 1150 | | | .3 | 1 | 22426 | 6 | 1000 | 17500 | 70I | 270 | 19.1 | 6.5 | | |
| 80 09 25 1215 | | | .3 | 1 | 22476 | 6 | | | | | 12.1 | 7.7 | 0.6 | 0.080 |
| 80 10 23 1215 | | | .3 | 1 | 22526 | 6 | 280C | 8200 | 20I | 80I | 4.9 | 9.5 | | |
| 80 11 24 1400 | | | .3 | 1 | 22548 | 6 | 620 | 4400 | 20I | 10< | 2.4 | 9.1 | 0.4 | 0.022 |
| 80 12 16 1430 | | | .3 | 1 | 22605 | 8 | 2100C | 9400 | 40I | 20I | | | 1.1 | 0.018 |
| MAXIMUM | | | | | | | 10000 | 290000 | 520 | 15000> | 20.1 | 11.2 | 4.6 | 1.580 |
| ARITH MEAN | | | | | | | 1920 | 35490 | 112 | 18388 | 9.1 | 8.1 | 1.1 | 0.238 |
| GEOM MEAN | | | | | | | 1072 | 9319 | 63 | 1418 | 4.9 | 7.9 | 0.8 | 0.075 |
| MINIMUM | | | | | | | 280 | 3200 | 20 | 10< | 0.0 | 5.3 | 0.4 | 0.018 |
| STD DEV | | | | | | | 2898 | 89519 | 152 | 46828 | 8.8 | 1.9 | 1.3 | 0.507 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 11 | 11 | 9 | 9 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 16 1130 | | | .3 | 1 | 0.013 | 0.048 | 0.520 | 0.017 | 1.480 | 1.545 | 0.472 | 2.017 | 308.0 | 7.0 |
| 80 02 20 1245 | | | .3 | 1 | 0.012 | 0.078 | 0.330 | 0.017 | 1.680 | 1.775 | 0.252 | 2.027 | 322.0 | 10.0 |
| 80 03 19 1230 | | | .3 | 1 | 0.072 | 0.410 | 6.710 | 0.045 | 1.650 | 2.105 | 6.300 | 8.405 | 477.0 | 269.0 |
| 80 04 16 1225 | | | .3 | 1 | 0.028 | 0.034 | 0.650 | 0.017 | 1.090 | 1.141 | 0.616 | 1.757 | 311.0 | 51.0 |
| 80 06 25 1150 | | | .3 | 1 | 0.011 | 0.042 | 0.630 | 0.011 | 0.544 | 0.597 | 0.588 | 1.185 | 317.0 | 16.0 |
| 80 07 23 1150 | | | .3 | 1 | 0.038 | 0.068 | 1.200 | 0.050 | 1.200 | 1.318 | 1.132 | 2.450 | 370.0 | 116.0 |
| 80 09 25 1215 | | | .3 | 1 | 0.021 | 0.050 | 0.600 | 0.013 | 0.640 | 0.703 | 0.550 | 1.253 | 327.0 | 23.0 |
| 80 11 24 1400 | | | .3 | 1 | 0.010 | 0.052 | 0.440 | 0.007 | 1.040 | 1.099 | 0.388 | 1.487 | 435.0 | 5.0 |
| 80 12 16 1430 | | | .3 | 1 | 0.004 | 0.030 | 0.510 | 0.018 | 1.080 | 1.128 | 0.480 | 1.608 | 326.0 | 5.0 |
| MAXIMUM | | | | | 0.072 | 0.410 | 6.710 | 0.050 | 1.680 | 2.105 | 6.300 | 8.405 | 477.0 | 269.0 |
| ARITH MEAN | | | | | 0.023 | 0.090 | 1.288 | 0.022 | 1.156 | 1.268 | 1.198 | 2.465 | 354.8 | 55.8 |
| GEOM MEAN | | | | | 0.017 | 0.061 | 0.761 | 0.018 | 1.086 | 1.182 | 0.681 | 2.006 | 350.6 | 21.6 |
| MINIMUM | | | | | 0.004 | 0.030 | 0.330 | 0.007 | 0.544 | 0.597 | 0.252 | 1.185 | 308.0 | 5.0 |
| STD DEV | | | | | 0.021 | 0.121 | 2.048 | 0.016 | 0.402 | 0.484 | 1.929 | 2.263 | 61.0 | 87.6 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 16 1130 | | | .3 | 1 | 490.0 | 6.60 | 14.500 | 7.61 | 7.4 |
| 80 02 20 1245 | | | .3 | 1 | 550.0 | 8.50 | 14.000 | 7.70 | 7.2 |
| 80 03 19 1230 | | | .3 | 1 | 320.0 | 150.00 | 13.000 | 7.88 | 7.2 |
| 80 04 16 1225 | | | .3 | 1 | 400.0 | 2.20 | 11.500 | 7.99 | 7.4 |
| 80 05 23 1220 | | | .3 | 1 | | | | | 7.4 |
| 80 06 25 1150 | | | .3 | 1 | 460 | 8.0 | 12.0 | 7.94 | 7.3 |
| 80 07 23 1150 | | | .3 | 1 | 390.0 | 52.00 | 10.500 | 7.70 | 7.1 |
| 80 08 14 1150 | | | .3 | 1 | | | | | 7.4 |
| 80 09 25 1215 | | | .3 | 1 | 475.0 | 8.60 | 14.500 | 7.75 | |
| 80 10 23 1215 | | | .3 | 1 | | | | | 7.5 |
| 80 11 24 1400 | | | .3 | 1 | 530.0 | 3.50 | 16.500 | 8.07 | 7.0 |
| 80 12 16 1430 | | | .3 | 1 | 540.0 | 3.60 | 16.000 | 7.76 | |
| MAXIMUM | | | | | 550.0 | 150.00 | 16.500 | 8.07 | 7.5 |
| ARITH MEAN | | | | | 461 | 27.0 | 13.6 | 7.82 | 7.3 |
| GEOM MEAN | | | | | 455 | 9.8 | 13.4 | 7.82 | 7.3 |
| MINIMUM | | | | | 320.0 | 2.20 | 10.500 | 7.61 | 7.0 |
| STD DEV | | | | | 77 | 48.6 | 2.0 | 0.15 | 0.2 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 10 |

B.O.W./ SITE: **BEETON CREEK**
SAMPLE POINT: **SIMCOE CO.RD.NO.10 NORTH OF TOTTENHAM**
STATION TYPE: **RIVER FLOW GAUGE FED 02ED100**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **NOTTAWASAGA RIVER**

STATION ID: **03-0057-024-02**
STORET CODE: **02**
**002**
**2470**

LAT:　LONG:　U T M: **17 0595250.0 4876950.0 4**　REGION: **03**　DISTANCE: **108.536**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 17 0945 | | | .3 | 1 | 22063 | 6 | 0.479 | 6800 | 4800 | 150 | 240 | 2.8 | 11.5 | 0.2 |
| 80 02 21 0945 | | | .3 | 1 | 22135 | 6 | 0.227 | 600I | 4200 | 360 | 10I | 0.0 | 11.6 | 0.6 |
| 80 03 20 0930 | | | .3 | 1 | 22182 | 6 | 2.490 | 1000C | 210000 | 310 | 1500> | 1.5 | 11.4 | 5.8 |
| 80 04 17 1020 | | | .3 | 1 | 22235 | 6 | 1.070 | 71000 | 170000 | 3000> | 2100 | 3.5 | 11.2 | 1.4 |
| 80 05 26 1200 | | | .3 | 1 | 22284 | 6 8 | 0.306 | 1000I | 53000 | 60I | 10I | 15.5 | 10.8 | 1.0 |
| 80 06 26 1030 | | | .3 | 1 | 22334 | 6 8 | 0.231 | 6700C | 26000 | 1260 | 480 | 21.0 | 8.0 | 1.6 |
| 80 07 21 1100 | | | .3 | 1 | 22343 | 6 8 | 3.340 | | | | | 22.5 | 7.4 | 2.6 |
| 80 08 15 1530 | | | .3 | 1 | 22440 | 6 8 | 0.259 | 220C | 7400 | 100 | 140 | 22.7 | 11.2 | 0.8 |
| 80 09 26 1430 | | | .3 | 1 | 22490 | 6 | 0.343 | 750C | 4900 | 140 | 160 | 11.3 | 11.9 | 0.7 |
| 80 10 28 1430 | | | .3 | 1 | 22540 | 6 | 0.644 | 460C | 7400 | 20I | 40I | 5.9 | 11.8 | |
| 80 11 28 1345 | | | .3 | 1 | 22588 | 6 | 0.512 | 1700 | 3700 | 80I | 40I | 2.2 | 10.1 | 1.4 |
| 80 12 15 0945 | | | .3 | 1 | 22591 | 8 | 0.541 | 800I | 4300 | 100 | 30I | | | 0.6 |

(CONTD)

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

| | | |
|---|---|---|
| B.O.W./SITE: **BEETON CREEK**<br>SAMPLE POINT: **SIMCOE CO.RD.NO.10 NORTH OF TOTTINGHAM**<br>STATION TYPE: **RIVER FLOW GAUGE FED 02ED100** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE HURON**<br>TERM STREAM: **NOTTAWASAGA RIVER** | STATION ID: **03-0057-024-02**<br>STORET CODE: **02**<br>**002**<br>**2470** |
| LAT: LONG: | U T M: **17 0595250.0 4876950.0 4** | REGION: **03** DISTANCE: **106.536** |

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| MAXIMUM | | | | | | 3.340 | 71000 | 210000 | 3000> | 2100> | 22.7 | 11.9 | 5.8 |
| ARITH MEAN | | | | | | 0.870 | 8275 | 45064 | 507G | 432G | 9.9 | 10.8 | 1.5 |
| GEOM MEAN | | | | | | 0.566 | 1619 | 14057 | 185G | 113G | 6.0 | 10.5 | 1.1 |
| MINIMUM | | | | | | 0.227 | 220 | 3700 | 20 | 10 | 0.0 | 7.4 | 0.2 |
| STD DEV | | | | | | 1.000 | 20942 | 73725 | 898G | 703G | 9.0 | 1.5 | 1.6 |
| NO OF SAMPLES | | | | | | 12 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 17 0945 | | .3 | 1 | 0.055 | 0.013 | 0.050 | 0.460 | 0.011 | 1.190 | 1.251 | 0.410 | 1.661 | 316.0 |
| 80 02 21 0945 | | .3 | 1 | 0.023 | 0.008 | 0.064 | 0.240 | 0.014 | 0.881 | 0.959 | 0.176 | 1.135 | 321.0 |
| 80 03 20 0930 | | .3 | 1 | 0.390 | 0.089 | 0.296 | 1.630 | 0.043 | 1.260 | 1.599 | 1.334 | 2.933 | 322.0 |
| 80 04 17 1020 | | .3 | 1 | 0.128 | 0.046 | 0.168 | 1.100 | 0.021 | 1.780 | 1.969 | 0.932 | 2.901 | 381.0 |
| 80 05 26 1200 | | .3 | 1 | 0.110 | 0.022 | 0.046 | 0.590 | 0.042 | 0.360 | 0.448 | 0.544 | 0.992 | 315.0 |
| 80 06 26 1030 | | .3 | 1 | 0.178 | 0.059 | 0.016 | 0.550 | 0.054 | 0.256 | 0.326 | 0.534 | 0.860 | 325.0 |
| 80 07 21 1100 | | .3 | 1 | 0.485 | 0.029 | 0.058 | 1.500 | 0.045 | 0.900 | 1.003 | 1.442 | 2.445 | 559.0 |
| 80 08 15 1530 | | .3 | 1 | 0.033 | 0.002 | 0.016 | 0.460 | 0.014 | 0.306 | 0.336 | 0.444 | 0.780 | 294.0 |
| 80 09 26 1430 | | .3 | 1 | 0.030 | 0.001< | 0.026 | 0.38 | 0.009 | 0.320 | 0.355 | 0.354 | 0.709 | 297 |
| 80 11 28 1345 | | .3 | 1 | 0.053 | 0.002 | 0.278 | 0.700 | 0.017 | 0.773 | 1.068 | 0.422 | 1.490 | 357.0 |
| 80 12 15 0945 | | .3 | 1 | 0.036 | 0.009 | 0.074 | 0.470 | 0.010 | 1.140 | 1.224 | 0.396 | 1.620 | 342.0 |
| MAXIMUM | | | | 0.485 | 0.089 | 0.296 | 1.630 | 0.054 | 1.780 | 1.969 | 1.442 | 2.933 | 559.0 |
| ARITH MEAN | | | | 0.138 | 0.025L | 0.099 | 0.73 | 0.025 | 0.833 | 0.958 | 0.635 | 1.593 | 348 |
| GEOM MEAN | | | | 0.082 | 0.012L | 0.063 | 0.62 | 0.021 | 0.690 | 0.800 | 0.533 | 1.413 | 342 |
| MINIMUM | | | | 0.023 | 0.001< | 0.016 | 0.240 | 0.009 | 0.256 | 0.326 | 0.176 | 0.709 | 294.0 |
| STD DEV | | | | 0.157 | 0.028L | 0.102 | 0.46 | 0.017 | 0.491 | 0.549 | 0.415 | 0.826 | 74 |
| NO OF SAMPLES | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | RSP | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 17 0945 | | .3 | 1 | 13.0 | 303.0 | 485.0 | 15.000 | 8.08 | 7.5 |
| 80 02 21 0945 | | .3 | 1 | 6.0 | 315.0 | 515.0 | 15.500 | 8.12 | 7.8 |
| 80 03 20 0930 | | .3 | 1 | 98.0 | 224.000 | 345.0 | 17.500 | 7.89 | 7.5 |
| 80 04 17 1020 | | .3 | 1 | 24.0 | 357.0 | 490.0 | 19.500 | 8.16 | 7.5 |
| 80 05 26 1200 | | .3 | 1 | 18.0 | 297.0 | 460.0 | 8.000 | 8.50 | 8.0 |
| 80 06 26 1030 | | .3 | 1 | 42.0 | 283.000 | 435.0 | 15.000 | 8.31 | 7.9 |
| 80 07 21 1100 | | .3 | 1 | 292.0 | 267.000 | 410.0 | 12.500 | 7.86 | 7.5 |
| 80 08 15 1530 | | .3 | 1 | 14.0 | 280.000 | 430.0 | 14.500 | 8.41 | 8.0 |
| 80 09 26 1430 | | .3 | 1 | 8 | 289 | 475 | 15.7 | 8.56 | |
| 80 10 28 1430 | | .3 | 1 | | | | | | 8.1 |
| 80 11 28 1345 | | .3 | 1 | 17.0 | 340.0 | 550.0 | 23.500 | 8.21 | 7.5 |
| 80 12 15 0945 | | .3 | 1 | 14.0 | 328.0 | 550.0 | 15.500 | 8.11 | |
| MAXIMUM | | | | 292.0 | 357.0 | 550.0 | 23.500 | 8.56 | 8.1 |
| ARITH MEAN | | | | 49 | 298 | 467 | 15.6 | 8.20 | 7.7 |
| GEOM MEAN | | | | 23 | 296 | 463 | 15.1 | 8.20 | 7.7 |
| MINIMUM | | | | 6.0 | 224.000 | 345.0 | 8.000 | 7.86 | 7.5 |
| STD DEV | | | | 84 | 36 | 61 | 3.8 | 0.23 | 0.3 |
| NO OF SAMPLES | | | | 11 | 11 | 11 | 11 | 11 | 10 |

| | | |
|---|---|---|
| B.O.W./SITE: **WYE RIVER**<br>SAMPLE POINT: **AT HIGHWAY 12 EAST OF MIDLAND**<br>STATION TYPE: **RIVER FLOW GAUGE FED 02ED011** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE HURON**<br>TERM STREAM: **WYE RIVER** | STATION ID: **03-0070-001-02**<br>STORET CODE: **02**<br>**002**<br>**2820** |
| LAT: LONG: | U T M: **17 0591350.0 4954050.0 4** | REGION: **03** DISTANCE: **1.448** |

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 16 1030 | | .3 | 1 | 22053 | 6 | 0.987 | 20I | 470 | 4 | 8 | 0.0 | 9.8 | 0.2 |
| 80 02 20 1050 | | .3 | 1 | 22125 | 4 | 0.811 | 110 | 270 | 12 | 36 | 0.0 | 6.2 | 1.0 |
| 80 03 19 1050 | | .3 | 1 | 22172 | 4 | 2.760 | 1300 | 16000 | 76 | 228 | 0.0 | 7.8 | 0.8 |
| 80 04 16 1040 | | .3 | 1 | 22224 | 6 | 6.780 | 120I | 1600 | 4< | 20 | 2.2 | 10.7 | 0.6 |
| 80 05 23 1030 | | .3 | 1 | 22274 | 6 8 | 1.230 | 680C | 2700 | 20 | 4 | 18.8 | 3.6 | |
| 80 06 25 1010 | | .3 | 1 | 22324 | 6 8 9 | 1.240 | 180I | 7000 | 12 | 8 | 22.9 | 4.3 | 1.4 |
| 80 07 23 1010 | | .3 | 1 | 22364 | 6 8 | 2.250 | | | | | 24.0 | 2.1 | 0.2 |
| 80 08 14 1020 | | .3 | 1 | 22424 | 5 8 | 0.893 | | 8600 | 40I | 350 | 19.9 | 1.4 | |
| 80 09 25 1030 | | .3 | 1 | 22474 | 6 8 | 1.660 | | | | | 13.2 | 4.4 | 0.8 |
| 80 10 23 1040 | | .3 | 1 | 22524 | 6 8 | 1.540 | 260C | 5800 | 40I | 160 | 4.1 | 9.3 | |
| 80 11 24 1520 | | .3 | 1 | 22550 | 6 8 | 1.880 | 220 | 2600 | 10I | 30I | 2.1 | 8.7 | 0.6 |
| 80 12 16 1550 | | .3 | 1 | 22607 | 8 | 2.400 | 1360C | 5000 | 4< | 20 | | | 1.4 |
| MAXIMUM | | | | | | 6.780 | 1360 | 16000 | 76 | 350 | 24.0 | 10.7 | 1.4 |
| ARITH MEAN | | | | | | 2.036 | 472 | 5004 | 22L | 86 | 9.7 | 6.2 | 0.8 |
| GEOM MEAN | | | | | | 1.686 | 246 | 2884 | 14L | 33 | 5.0 | 5.2 | 0.6 |
| MINIMUM | | | | | | 0.811 | 20 | 270 | 4< | 4 | 0.0 | 1.4 | 0.2 |
| STD DEV | | | | | | 1.618 | 521 | 4762 | 23L | 120 | 10.0 | 3.2 | 0.4 |
| NO OF SAMPLES | | | | | | 12 | 9 | 10 | 10 | 10 | 11 | 11 | 9 |

(CONTD)

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PPUT PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR PO4 FIL.REAC MG/L AS P | NNHTFR NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR NO2-N FIL.REAC MG/L AS N | NNO3FR NO3-N FIL.REAC MG/L AS N | NNTIFR ORG N TOTAL FIL.REAC MG/L | NNKUR KJELDAHL ORGANIC UNF.REAC MG/L | NNKI TOTAL N MG/L AS N | RST RESIDUE TOTAL MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 16 1030 | | | .3 | 1 | 0.017 | 0.006 | 0.048 | 0.390 | 0.006 | 0.734 | 0.788 | 0.342 | 1.130 | 276.0 |
| 80 02 20 1050 | | | .3 | 1 | 0.061 | 0.032 | 0.096 | 0.400 | 0.009 | 0.621 | 0.726 | 0.304 | 1.030 | 257.0 |
| 80 03 19 1050 | | | .3 | 1 | 0.042 | 0.009 | 0.094 | 0.490 | 0.010 | 0.730 | 0.834 | 0.396 | 1.230 | 238.0 |
| 80 04 16 1040 | | | .3 | 1 | 0.019 | 0.002 | 0.018 | 0.450 | 0.007 | 0.498 | 0.523 | 0.432 | 0.955 | 233.0 |
| 80 06 25 1010 | | | .3 | 1 | 0.037 | 0.016 | 0.046 | 0.570 | 0.007 | 0.013 | 0.066 | 0.524 | 0.590 | 223.0 |
| 80 07 23 1010 | | | .3 | 1 | 0.040 | 0.035 | 0.087 | 0.550 | 0.004 | 0.006 | 0.097 | 0.463 | 0.560 | 229.0 |
| 80 09 25 1030 | | | .3 | 1 | 0.022 | 0.007 | 0.080 | 0.470 | 0.006 | 0.044 | 0.130 | 0.390 | 0.520 | 244.0 |
| 80 11 24 1520 | | | .3 | 1 | 0.014 | 0.003 | 0.044 | 0.390 | 0.008 | 0.682 | 0.734 | 0.346 | 1.080 | 271.0 |
| 80 12 16 1550 | | | .3 | 1 | 0.019 | 0.007 | 0.096 | 0.520 | 0.016 | 1.140 | 1.252 | 0.424 | 1.676 | 259.0 |
| MAXIMUM | | | | | 0.061 | 0.035 | 0.096 | 0.570 | 0.016 | 1.140 | 1.252 | 0.524 | 1.676 | 276.0 |
| ARITH MEAN | | | | | 0.030 | 0.013 | 0.068 | 0.470 | 0.008 | 0.486 | 0.572 | 0.402 | 0.975 | 247.8 |
| GEOM MEAN | | | | | 0.027 | 0.009 | 0.060 | 0.466 | 0.008 | 0.197 | 0.386 | 0.397 | 0.909 | 247.1 |
| MINIMUM | | | | | 0.014 | 0.002 | 0.018 | 0.390 | 0.004 | 0.006 | 0.066 | 0.304 | 0.520 | 223.0 |
| STD DEV | | | | | 0.016 | 0.012 | 0.029 | 0.068 | 0.003 | 0.396 | 0.404 | 0.068 | 0.375 | 18.8 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RSP RESIDUE PARTIC. MG/L | COND25 CONDUCT. 25C UMHO/CM AT 25 C | TURB TURB'ITY FTU | CLIDUR CHLORIDE UNF.REAC MG/L AS CL | PH PH | FWPH PH FIELD |
|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 16 1030 | | | .3 | 1 | 3.0 | 420.0 | 3.10 | 10.100 | 7.50 | 7.1 |
| 80 02 20 1050 | | | .3 | 1 | 7.0 | 385.0 | 4.60 | 9.900 | 7.38 | 6.8 |
| 80 03 19 1050 | | | .3 | 1 | 7.0 | 355.0 | 5.90 | 10.500 | 7.63 | 6.7 |
| 80 04 16 1040 | | | .3 | 1 | 2.0 | 355.0 | 0.80 | 12.000 | 8.02 | 7.2 |
| 80 05 23 1030 | | | .3 | 1 | | | | | | 6.8 |
| 80 06 25 1010 | | | .3 | 1 | 2.0 | 340 | 1.2 | 6.5 | 7.52 | 7.0 |
| 80 07 23 1010 | | | .3 | 1 | 1.0 | 350.0 | 0.65 | 5.750 | 7.87 | 6.6 |
| 80 08 14 1020 | | | .3 | 1 | | | | | | 6.7 |
| 80 09 25 1030 | | | .3 | 1 | 3.0 | 370.0 | 1.20 | 7.350 | 7.60 | |
| 80 10 23 1040 | | | .3 | 1 | | | | | | 7.2 |
| 80 11 24 1520 | | | .3 | 1 | 3.0 | 435.0 | 1.50 | 8.800 | 7.87 | 6.8 |
| 80 12 16 1550 | | | .3 | 1 | 3.0 | 450.0 | 4.40 | 11.000 | 7.84 | |
| MAXIMUM | | | | | 7.0 | 450.0 | 5.90 | 12.000 | 8.02 | 7.2 |
| ARITH MEAN | | | | | 3.4 | 384 | 2.5 | 9.1 | 7.69 | 6.9 |
| GEOM MEAN | | | | | 2.9 | 382 | 1.9 | 8.8 | 7.69 | 6.9 |
| MINIMUM | | | | | 1.0 | 340 | 0.65 | 5.750 | 7.38 | 6.6 |
| STD DEV | | | | | 2.1 | 40 | 1.9 | 2.1 | 0.21 | 0.2 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 10 |

B.O.W./ SITE: **WYE RIVER**
SAMPLE POINT: **AT COUNTY ROAD NO.6 NORTH OF ELMVALE**
STATION TYPE: **RIVER FLOW GAUGE FED 02ED011**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **WYE RIVER**

STATION ID: **03-0070-002-02**
STORET CODE: **02**
**002**
**2620**

LAT: LONG: U T M: **17 0587600.0 4940800.0 4** REGION: **03** DISTANCE: **22.530**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE SAMPLE NUMBER | FWSTRC STREAM COND. | TCMF COLIFORM TOTAL MF CNT /100ML | TCMFBK COLIFORM TOTAL MF BCKGRD CNT /100ML | FCMF FECAL COLIFORM MF CNT /100ML | FSMF FECAL STREPCUS MF CNT /100ML | FWTEMP WATER TEMP DEG.C | DO DISOLVED OXYGEN MG/L AS O | BOD5 BOD 5 DAY TOT.DEM. MG/L AS O | PPUT PHOSPHOR UNF.TOT. MG/L AS P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 16 1100 | | | 3 | 1 | 22054 | 4 | 1500 | 3300 | 160 | 480 | 0.0 | 11.4 | 0.4 | 0.068 |
| 80 02 20 1200 | | | 3 | 1 | 22126 | 4 | 2980C | 6400 | 900 | 740 | 0.0 | 10.2 | 0.8 | 0.075 |
| 80 03 19 1145 | | | 3 | 1 | 22173 | 6 | 7000I | 140000 | 2200 | 15000> | 0.0 | 10.1 | 4.0 | 0.250 |
| 80 04 16 1140 | | | 3 | 1 | 22225 | 6 | 740C | 7600 | 72 | 800I | 1.9 | 11.1 | 0.6 | 0.075 |
| 80 05 23 1135 | | | 3 | 1 | 22275 | 6 | 1340C | 10800 | 112 | 50I | 17.9 | 9.2 | | |
| 80 06 25 1110 | | | 3 | 1 | 22325 | 6 | 1500 | 24000 | 620 | 100I | 20.9 | 7.2 | 0.8 | 0.106 |
| 80 07 23 1110 | | | 3 | 1 | 22365 | 6 | | | | | 21.0 | 6.4 | 0.6 | 0.153 |
| 80 08 14 1115 | | | 3 | 1 | 22425 | 6 | 2700 | 24000 | 520 | 700 | 18.1 | 8.7 | | |
| 80 09 25 1130 | | | .3 | 1 | 22475 | 6 | | | | | 11.5 | 8.9 | 0.7 | 0.095 |
| 80 10 23 1140 | | | .3 | 1 | 22525 | 6 | 2100 | 21000 | 280 | 340 | 3.9 | 11.3 | | |
| 80 11 24 1445 | | | .3 | 1 | 22549 | 6 | 6900C | 28000 | 240 | 140I | 3.8 | 9.3 | 0.4 | 0.045 |
| 80 12 16 1500 | | | .3 | 1 | 22606 | 8 | 2500 | 10000 | 540 | 180 | | | 1.5 | 0.068 |
| MAXIMUM | | | | | | | 7000 | 140000 | 2200 | 15000> | 21.0 | 11.4 | 4.0 | 0.250 |
| ARITH MEAN | | | | | | | 2926 | 27510 | 564 | 1853G | 9.0 | 9.4 | 1.1 | 0.104 |
| GEOM MEAN | | | | | | | 2322 | 15541 | 353 | 408G | 5.0 | 9.3 | 0.8 | 0.092 |
| MINIMUM | | | | | | | 740 | 3300 | 72 | 50 | 0.0 | 6.4 | 0.4 | 0.045 |
| STD DEV | | | | | | | 2228 | 40463 | 632 | 4628G | 8.9 | 1.6 | 1.1 | 0.063 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 11 | 11 | 9 | 9 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PPO4FR PO4 FIL.REAC MG/L AS P | NNHTFR NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR NO2-N FIL.REAC MG/L AS N | NNO3FR NO3-N FIL.REAC MG/L AS N | NNTIFR ORG N TOTAL FIL.REAC MG/L | NNKUR KJELDAHL ORGANIC UNF.REAC MG/L | NNKI TOTAL N MG/L AS N | RST RESIDUE TOTAL MG/L | RSP RESIDUE PARTIC. MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 16 1100 | | | .3 | 1 | 0.033 | 0.136 | 0.520 | 0.011 | 0.949 | 1.096 | 0.384 | 1.480 | 280.0 | 26.0 |
| 80 02 20 1200 | | | .3 | 1 | 0.036 | 0.168 | 0.450 | 0.009 | 0.896 | 1.073 | 0.282 | 1.355 | 281.0 | 27.0 |
| 80 03 19 1145 | | | .3 | 1 | 0.110 | 0.650 | 1.800 | 0.022 | 1.280 | 1.952 | 1.150 | 3.102 | 236.0 | 38.0 |
| 80 04 16 1140 | | | .3 | 1 | 0.023 | 0.070 | 0.630 | 0.011 | 2.240 | 2.321 | 0.560 | 2.881 | 315.0 | 32.0 |
| 80 06 25 1110 | | | .3 | 1 | 0.037 | 0.104 | 0.660 | 0.028 | 0.882 | 1.014 | 0.556 | 1.570 | 292.0 | 45.0 |
| 80 07 23 1110 | | | .3 | 1 | 0.063 | 0.105 | 0.900 | 0.039 | 1.610 | 1.754 | 0.795 | 2.549 | 360.0 | 62.0 |
| 80 09 25 1130 | | | .3 | 1 | 0.037 | 0.082 | 0.600 | 0.023 | 1.230 | 1.335 | 0.518 | 1.853 | 316.0 | 40.0 |
| 80 11 24 1445 | | | .3 | 1 | 0.018 | 0.048 | 0.430 | 0.006 | 1.200 | 1.254 | 0.382 | 1.636 | 301.0 | 19.0 |
| 80 12 16 1500 | | | .3 | 1 | 0.021 | 0.088 | 0.520 | 0.007 | 1.340 | 1.435 | 0.432 | 1.867 | 299.0 | 40.0 |
| MAXIMUM | | | | | 0.110 | 0.650 | 1.800 | 0.039 | 2.240 | 2.321 | 1.150 | 3.102 | 360.0 | 62.0 |
| ARITH MEAN | | | | | 0.042 | 0.181 | 0.723 | 0.017 | 1.292 | 1.470 | 0.562 | 2.033 | 297.8 | 36.8 |
| GEOM MEAN | | | | | 0.036 | 0.116 | 0.652 | 0.014 | 1.238 | 1.415 | 0.517 | 1.949 | 296.1 | 34.7 |
| MINIMUM | | | | | 0.018 | 0.048 | 0.430 | 0.006 | 0.882 | 1.014 | 0.282 | 1.365 | 236.0 | 19.0 |
| STD DEV | | | | | 0.029 | 0.187 | 0.427 | 0.011 | 0.427 | 0.448 | 0.265 | 0.646 | 33.5 | 12.8 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

(CONTD)

B.O.W./ SITE: **WYE RIVER**
SAMPLE POINT: **AT COUNTY ROAD NO.6 NORTH OF ELMVALE**
STATION TYPE: **RIVER FLOW GAUGE FED 02ED011**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **WYE RIVER**

STATION ID: **03-0070-002-02**
STORET CODE: **02**
**002**
**2020**

LAT: LONG: U T M: **17 0587600.0 4940800.0 4** REGION: **03** DISTANCE: **22.530**

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 16 1100 | | | .3 | 1 | 254.000 | 390.0 | 11.500 | 7.83 | 7.5 |
| 80 02 20 1200 | | | .3 | 1 | 254.000 | 390.0 | 12.500 | 7.89 | 7.3 |
| 80 03 19 1145 | | | .3 | 1 | 198.000 | 305.0 | 15.000 | 7.72 | 7.1 |
| 80 04 16 1140 | | | .3 | 1 | 283.000 | 435.0 | 14.500 | 7.82 | 7.3 |
| 80 05 23 1135 | | | .3 | 1 | | | | | 7.5 |
| 80 06 25 1110 | | | .3 | 1 | 247 | 380 | 10.5 | 8.00 | 7.5 |
| 80 07 23 1110 | | | .3 | 1 | 298.0 | 450.0 | 10.500 | 7.78 | 7.2 |
| 80 08 14 1115 | | | .3 | 1 | | | | | 7.5 |
| 80 09 25 1130 | | | .3 | 1 | 276.0 | 450.0 | 9.450 | 7.21 | |
| 80 10 23 1140 | | | .3 | 1 | | | | | 7.4 |
| 80 11 24 1445 | | | .3 | 1 | 282.0 | 470.0 | 12.000 | 7.97 | 7.0 |
| 80 12 16 1500 | | | .3 | 1 | 259.0 | 455.0 | 12.500 | 7.55 | |
| MAXIMUM | | | | | 298.0 | 470.0 | 15.000 | 8.00 | 7.5 |
| ARITH MEAN | | | | | 261 | 413 | 12.0 | 7.76 | 7.3 |
| GEOM MEAN | | | | | 259 | 410 | 11.9 | 7.75 | 7.3 |
| MINIMUM | | | | | 198.000 | 305.0 | 9.450 | 7.21 | 7.0 |
| STD DEV | | | | | 29 | 52 | 1.8 | 0.24 | 0.2 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 10 |

B.O.W./ SITE: **COLDWATER RIVER**
SAMPLE POINT: **AT CNR BRIDGE COLDWATER**
STATION TYPE: **RIVER FLOW GAUGE FED 02ED007**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **NORTH RIVER**

STATION ID: **03-0076-001-02**
STORET CODE: **02**
**002**
**2700**

LAT: LONG: U T M: **17 0607050.0 4952175.0 4** REGION: **03** DISTANCE: **2.736**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 16 0920 | | | .3 | 1 | 22051 | 4 | 1.730 | 400 | 1400 | 16 | 148 | 0.0 | 11.6 | 0.2 |
| 80 02 20 0930 | | | .3 | 1 | 22123 | 4 | 1.090 | 20I | 280 | 12 | 4< | 0.0 | 11.2 | 0.4 |
| 80 03 19 0930 | | | .3 | 1 | 22170 | 4 | 4.500 | 5100C | 53000 | 40 | 600> | 0.0 | 11.6 | 1.6 |
| 80 04 16 0915 | | | .3 | 1 | 22222 | 6 | 6.770 | 1020 | 2800 | 168 | 1540 | 2.5 | 12.0 | 0.8 |
| 80 05 23 0915 | | | .3 | 1 | 22272 | 6 | 1.650 | 460C | 9000 | 60 | 40I | 16.8 | 8.0 | |
| 80 06 25 0900 | | | .3 | 1 | 22322 | 6 | 1.580 | 300I | 2200 | 60I | 20I | 20.0 | 7.2 | 0.8 |
| 80 07 23 0900 | | | .3 | 1 | 22362 | 6 8 | 1.520 | | | | | 20.0 | 9.0 | 0.2 |
| 80 08 14 0900 | | | .3 | 1 | 22422 | 6 8 | 1.310 | 4000 | 22500 | 360 | 1440 | 17.0 | 7.6 | |
| 80 09 25 0915 | | | .3 | 1 | 22472 | 6 | 2.420 | | | | | 11.0 | 8.8 | 0.4 |
| 80 10 23 0920 | | | .3 | 1 | 22522 | 6 | 2.130 | 800C | 8000 | 80I | 320 | 3.9 | 11.6 | |
| 80 11 24 1630 | | | .3 | 1 | 22552 | 6 | 2.480 | 900 | 7500 | 30I | 20I | 3.7 | 9.3 | 0.6 |
| 80 12 16 1700 | | | .3 | 1 | 22609 | 8 | 2.250 | 1950 | 10500 | 30I | 40I | | | 1.1 |
| MAXIMUM | | | | | | | 6.770 | 5100 | 53000 | 380 | 1540> | 20.0 | 12.0 | 1.6 |
| ARITH MEAN | | | | | | | 2.452 | 1495 | 11718 | 86 | 4178 | 8.6 | 9.8 | 0.7 |
| GEOM MEAN | | | | | | | 2.127 | 709 | 5264 | 51 | 1058 | 5.0 | 9.7 | 0.5 |
| MINIMUM | | | | | | | 1.090 | 20 | 280 | 12 | 4< | 0.0 | 7.2 | 0.2 |
| STD DEV | | | | | | | 1.622 | 1713 | 15876 | 106 | 6968 | 8.4 | 1.8 | 0.5 |
| NO OF SAMPLES | | | | | | | 12 | 10 | 10 | 10 | 10 | 11 | 11 | 9 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 16 0920 | | | .3 | 1 | 0.020 | 0.007 | 0.042 | 0.230 | 0.004 | 0.736 | 0.782 | 0.188 | 0.970 | 265.0 |
| 80 02 20 0930 | | | .3 | 1 | 0.068 | 0.022 | 0.020 | 0.160 | 0.004 | 0.261 | 0.285 | 0.140 | 0.425 | 253.0 |
| 80 03 19 0930 | | | .3 | 1 | 0.059 | 0.020 | 0.152 | 0.630 | 0.014 | 1.090 | 1.256 | 0.478 | 1.734 | 228.0 |
| 80 04 16 0915 | | | .3 | 1 | 0.080 | 0.017 | 0.038 | 0.530 | 0.009 | 0.606 | 0.653 | 0.492 | 1.145 | 258.0 |
| 80 06 25 0900 | | | .3 | 1 | 0.024 | 0.007 | 0.002< | 0.360 | 0.006 | 0.444 | 0.452 | 0.358 | 0.810 | 264.0 |
| 80 07 23 0900 | | | .3 | 1 | 0.053 | 0.016 | 0.062 | 0.480 | 0.007 | 0.348 | 0.417 | 0.418 | 0.835 | 259.0 |
| 80 09 25 0915 | | | .3 | 1 | 0.035 | 0.008 | 0.040 | 0.420 | 0.008 | 0.552 | 0.600 | 0.380 | 0.980 | 273.0 |
| 80 11 24 1630 | | | .3 | 1 | 0.043 | 0.005 | 0.012 | 0.210 | 0.003 | 0.562 | 0.577 | 0.198 | 0.775 | 260.0 |
| 80 12 16 1700 | | | .3 | 1 | 0.048 | 0.004 | 0.012 | 0.380 | 0.003 | 0.724 | 0.739 | 0.368 | 1.107 | 283.0 |
| MAXIMUM | | | | | 0.080 | 0.022 | 0.152 | 0.630 | 0.014 | 1.090 | 1.256 | 0.492 | 1.734 | 283.0 |
| ARITH MEAN | | | | | 0.048 | 0.012 | 0.042L | 0.378 | 0.006 | 0.591 | 0.640 | 0.336 | 0.976 | 260.3 |
| GEOM MEAN | | | | | 0.044 | 0.010 | 0.025L | 0.348 | 0.006 | 0.547 | 0.591 | 0.309 | 0.919 | 259.9 |
| MINIMUM | | | | | 0.020 | 0.004 | 0.002< | 0.160 | 0.003 | 0.261 | 0.285 | 0.140 | 0.425 | 228.0 |
| STD DEV | | | | | 0.020 | 0.007 | 0.045L | 0.157 | 0.004 | 0.245 | 0.280 | 0.129 | 0.368 | 16.1 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | CLIDUR | PH | FWPH | ALUT | CRUT | CUUT | PBUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB |
| 80 01 16 0920 | | | .3 | 1 | 8.0 | 257.000 | 395.0 | 7.700 | 7.92 | 7.4 | | | | |
| 80 02 20 0930 | | | .3 | 1 | 6.0 | 247.000 | 380.0 | 7.100 | 7.92 | 7.2 | | | | |
| 80 03 19 0930 | | | .3 | 1 | 20.0 | 208.000 | 320.0 | 14.000 | 7.96 | 6.9 | | | | |
| 80 04 16 0915 | | | .3 | 1 | 53.0 | 205.000 | 315.0 | 9.050 | 7.94 | 7.2 | | | | |
| 80 05 23 0915 | | | .3 | 1 | | | | | | 7.4 | 0.380 | 0.020< | 0.010< | 0.030< |
| 80 06 25 0900 | | | .3 | 1 | 17.0 | 247 | 380 | 7.4 | 8.05 | 7.6 | | | | |
| 80 07 23 0900 | | | .3 | 1 | 18.0 | 241.000 | 370.0 | 6.000 | 7.42 | 7.3 | | | | |
| 80 08 14 0900 | | | .3 | 1 | | | | | | 7.6 | | | | |
| 80 09 25 0915 | | | .3 | 1 | 16.0 | 257.000 | 395.0 | 7.050 | 8.60 | | | | | |
| 80 10 23 0920 | | | .3 | 1 | | | | | | 7.5 | | | | |
| 80 11 24 1630 | | | .3 | 1 | 6.0 | 254.0 | 410.0 | 7.500 | 8.15 | 7.0 | | | | |
| 80 12 16 1700 | | | .3 | 1 | 32.0 | 251.0 | 430.0 | 9.000 | 7.97 | | | | | |
| MAXIMUM | | | | | 53.0 | 257.000 | 430.0 | 14.000 | 8.60 | 7.6 | 0.380 | 0.020 | 0.010 | 0.030 |
| ARITH MEAN | | | | | 19.8 | 240 | 377 | 8.3 | 7.99 | 7.3 | 0.380 | 0.020L | 0.010L | 0.030L |
| GEOM MEAN | | | | | 16.4 | 239 | 376 | 8.0 | 7.99 | 7.3 | | | | |
| MINIMUM | | | | | 6.0 | 205.000 | 315.0 | 6.000 | 7.42 | 6.9 | 0.380 | 0.020< | 0.010< | 0.030< |
| STD DEV | | | | | 16.0 | 20 | 38 | 2.3 | 0.30 | 0.2 | | | | |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 10 | 1 | 1 | 1 | 1 |

(CONTD)

| TEST-NAME: | | | | | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 05 23 0915 | | | .3 | 1 | 0 005< | 0 010< | 0 020< | 0 020< |
| MAXIMUM | | | | | 0.005 | 0.010 | 0.020 | 0.020 |
| ARITH MEAN | | | | | 0.005L | 0.010L | 0.020L | 0.020L |
| GEOM MEAN | | | | | | | | |
| MINIMUM | | | | | 0.005< | 0.010< | 0.020< | 0.020< |
| STD DEV | | | | | | | | |
| NO OF SAMPLES | | | | | 1 | 1 | 1 | 1 |

B.O.W./ SITE: **HOLLAND RIVER**
SAMPLE POINT: **QUEENSVILLE ROAD RIVER DRIVE PARK**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SEVERN RIVER**

STATION ID: **03-0077-001-02**
STORET CODE: **02**
**002**
**2720**

LAT: LONG: U T M: **17 0619650.0 4885250.0 4** REGION: **03** DISTANCE: **130.836**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 08 1300 | | | .3 | 1 | 28008 | 4 | 14300C | 26500 | 1140 | 50I | 1.0 | 11.8 | 1.6 | 0.613 |
| 80 02 04 1315 | | | .3 | 1 | 28021 | 4 | 1200 | 700 | 100I | 40I | 1.0 | 10.8 | 2.2 | 0.595 |
| 80 03 05 1330 | | | .3 | 1 | 28034 | 4 | 77000 | 51000 | 14000 | 2200 | 1.0 | 10.0 | 3.2 | 0.763 |
| 80 04 09 1230 | | | .3 | 1 | 28047 | 6 | 20000 | 59000 | 2000I | 4700 | 9.0 | 9.4 | 3.0 | 0.360 |
| 80 05 08 1145 | | | .3 | 1 | 28060 | 6 | 430C | 2800 | 10< | 30I | 12.0 | 7.5 | 2.8 | 0.280 |
| 80 05 23 | | | .3 | 1 | 28068 | 8 | | | | | | | | |
| 80 06 06 1030 | | | .3 | 1 | 28078 | 6 | 230C | 24000> | 10I | 130 | 17.5 | 5.0 | 3.4 | 0.098 |
| 80 07 03 1215 | | | .3 | 1 | 28091 | 6 | 400I | 18000 | 10< | 10< | 22.3 | 10.0 | 7.2 | 0.375 |
| 80 08 12 1300 | | | .3 | 1 | 28104 | 6 | | 54500 | 20< | 20< | 25.0 | 8.4 | 6.0 | 0.403 |
| 80 09 03 1330 | | | .3 | 1 | 28117 | 5 | 1500C | 88000 | 760 | 270 | 23.0 | 8.8 | 8.2 | 0.438 |
| 80 10 02 1345 | | | .3 | 1 | 28130 | 6 | 500I | 19000 | 40I | 20I | 18.0 | 12.0 | 4.0 | 0.292 |
| 80 10 27 | | | .3 | 1 | 28138 | 8 | | | | | | | | |
| 80 11 14 1200 | | | .3 | 1 | 28148 | 6 | 3800C | 27000 | 190 | 600 | 4.0 | 7.0 | 3.4 | 0.228 |
| 80 12 02 1315 | | | .3 | 1 | 28161 | 4 | 10700C | 44500 | 640 | 530 | 1.0 | 8.2 | 4.0 | 0.170 |
| MAXIMUM | | | | | | | 77000 | 88000> | 14000 | 4700 | 25.0 | 12.0 | 8.2 | 0.763 |
| ARITH MEAN | | | | | | | 11824 | 34583G | 1577L | 717L | 11.2 | 9.1 | 4.1 | 0.385 |
| GEOM MEAN | | | | | | | 2567 | 21009G | 158L | 132L | 5.9 | 8.8 | 3.7 | 0.336 |
| MINIMUM | | | | | | | 230 | 700 | 10< | 10< | 1.0 | 5.0 | 1.6 | 0.098 |
| STD DEV | | | | | | | 22647 | 25460G | 3960L | 1398L | 9.8 | 2.0 | 2.0 | 0.194 |
| NO OF SAMPLES | | | | | | | 11 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 08 1300 | | | .3 | 1 | 0.560 | 1.620 | 2.300 | 0.055 | 4.540 | 6.215 | 0.680 | 6.895 | 624.0 | 5.0 |
| 80 02 04 1315 | | | .3 | 1 | 0.440 | 4.700 | 5.800 | 0.062 | 5.540 | 10.302 | 1.100 | 11.402 | 665.0 | 7.0 |
| 80 03 05 1330 | | | .3 | 1 | 0.680 | 10.100 | 11.500 | 0.050 | 3.050 | 13.200 | 1.400 | 14.600 | 633.0 | 6.0 |
| 80 04 09 1230 | | | .3 | 1 | 0.090 | 0.630 | 1.850 | 0.057 | 1.490 | 2.177 | 1.220 | 3.397 | 530.0 | 143.0 |
| 80 05 08 1145 | | | .3 | 1 | 0.068 | 0.360 | 1.480 | 0.105 | 1.900 | 2.365 | 1.120 | 3.485 | 539.0 | 53.0 |
| 80 06 06 1030 | | | .3 | 1 | 0.078 | 1.360 | 2.720 | 0.285 | 0.005 | 1.650 | 1.360 | 3.010 | 601.0 | 38.0 |
| 80 07 03 1215 | | | .3 | 1 | 0.049 | 1.82 | 4.05 | 0.380 | 2.17 | 4.370 | 2.230 | 6.600 | 550 | 26 |
| 80 08 12 1300 | | | .3 | 1 | 0.230 | 0.460 | 3.000 | 0.068 | 1.220 | 1.748 | 2.540 | 4.288 | 499.0 | 18.0 |
| 80 09 03 1330 | | | .3 | 1 | 0.140 | 0.840 | 3.600 | 0.265 | 2.370 | 3.475 | 2.760 | 6.235 | 464.0 | 28.0 |
| 80 10 02 1345 | | | .3 | 1 | 0.270 | 0.450 | 1.65 | 0.049 | 0.550 | 1.049 | 1.200 | 2.249 | 504 | 15 |
| 80 11 14 1200 | | | .3 | 1 | 0.160 | 1.42 | 2.12 | 0.045 | 2.5 | 3.965 | 0.700 | 4.665 | 516 | 9 |
| 80 12 02 1315 | | | .3 | 1 | 0.104 | 1.050 | 1.780 | 0.034 | 2.120 | 3.204 | 0.730 | 3.934 | 560.0 | 30.0 |
| MAXIMUM | | | | | 0.680 | 10.100 | 11.500 | 0.380 | 5.540 | 13.200 | 2.760 | 14.600 | 665.0 | 143.0 |
| ARITH MEAN | | | | | 0.239 | 2.06 | 3.48 | 0.121 | 2.2 | 4.477 | 1.420 | 5.897 | 557 | 31 |
| GEOM MEAN | | | | | 0.170 | 1.22 | 2.86 | 0.085 | 1.2 | 3.418 | 1.276 | 5.084 | 554 | 19 |
| MINIMUM | | | | | 0.049 | 0.360 | 1.480 | 0.034 | 0.005 | 1.049 | 0.680 | 2.249 | 464.0 | 5.0 |
| STD DEV | | | | | 0.210 | 2.78 | 2.81 | 0.118 | 1.5 | 3.728 | 0.709 | 3.684 | 61 | 38 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH | ASUT | HGUT | ALUT | CRUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU |
| 80 01 08 1300 | | | .3 | 1 | 619.0 | 990.0 | 108.000 | 7.73 | 7.9 | | 0.060 | | | |
| 80 02 04 1315 | | | .3 | 1 | 658.0 | 1090.0 | 133.000 | 7.69 | 7.6 | | | | | |
| 80 03 05 1330 | | | .3 | 1 | 627.0 | 1120.0 | 140.000 | 7.78 | 7.2 | | | | | |
| 80 04 09 1230 | | | .3 | 1 | 387.0 | 590.0 | 44.500 | 7.93 | | | 0.030 | | | |
| 80 05 08 1145 | | | .3 | 1 | 486.0 | 750.0 | 72.000 | 8.05 | 7.9 | | 0.020< | | | |
| 80 05 23 | | | .3 | 1 | | | | | | 0.001< | | 0.390 | 0.040 | 0.010< |
| 80 06 06 1030 | | | .3 | 1 | 563.0 | 900.0 | 119.000 | 7.82 | 7.7 | | 0.050< | | | |
| 80 07 03 1215 | | | .3 | 1 | 524 | 850 | 111 | 7.91 | 8.5 | | 0.02 | | | |
| 80 08 12 1300 | | | .3 | 1 | 481.0 | 750.0 | 95.000 | 7.85 | 8.4 | | 0.200 | | | |
| 80 09 03 1330 | | | .3 | 1 | 436.0 | 710.0 | 88.000 | 7.62 | 8.1 | | 0.030< | | | |
| 80 10 02 1345 | | | .3 | 1 | 489 | 840 | 103 | 7.80 | 8.5 | | 0.03 < | | | |
| 80 10 27 | | | .3 | 1 | | | | | | 0.001< | | 0.990 | 0.020 | 0.001< |
| 80 11 14 1200 | | | .3 | 1 | 507 | 860 | 85 | | 8.0 | | 0.31 | | | |
| 80 12 02 1315 | | | .3 | 1 | 530.0 | 840.0 | 74.000 | 7.80 | | | 0.04 | | | |
| MAXIMUM | | | | | 658.0 | 1120.0 | 140.000 | 8.05 | 8.5 | 0.001 | 0.31 | 0.990 | 0.040 | 0.010 |
| ARITH MEAN | | | | | 525 | 857 | 97 | 7.82 | 8.0 | 0.001L | 0.07 L | 0.690 | 0.030 | 0.005L |
| GEOM MEAN | | | | | 520 | 844 | 93 | 7.82 | 8.0 | 0.001L | 0.04 L | 0.621 | 0.028 | 0.003L |
| MINIMUM | | | | | 387.0 | 590.0 | 44.500 | 7.62 | 7.2 | 0.001< | 0.020< | 0.390 | 0.020 | 0.001< |
| STD DEV | | | | | 80 | 153 | 27 | 0.12 | 0.4 | 0.000L | 0.09 L | 0.424 | 0.014 | 0.006L |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 11 | 10 | 2 | 10 | 2 | 2 | 2 |

(CONTD)

B.O.W./ SITE: **HOLLAND RIVER**
SAMPLE POINT: **QUEENSVILLE ROAD RIVER DRIVE PARK**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SEVERN RIVER**

STATION ID: **03-0077-001-02**
STORET CODE: **02**
**002**
**2720**

LAT:
LONG:
U T M: **17 0619650.0 4885250.0 4**
REGION: **03**
DISTANCE: **130.836**

| TEST-NAME: | | | | | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 05 23 | | | .3 | 1 | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020< |
| 80 10 27 | | | .3 | 1 | 0.003< | 0.0002< | 0.016 | 0.002< | 0.002< |
| MAXIMUM | | | | | 0.030 | 0.005 | 0.016 | 0.020 | 0.020 |
| ARITH MEAN | | | | | 0.016L | 0.002 L | 0.013L | 0.011L | 0.011L |
| GEOM MEAN | | | | | 0.009L | 0.001 L | 0.013L | 0.006L | 0.006L |
| MINIMUM | | | | | 0.003< | 0.0002< | 0.010< | 0.002< | 0.002< |
| STD DEV | | | | | 0.019L | 0.003 L | 0.004L | 0.013L | 0.013L |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 |

B.O.W./ SITE: **SCHOMBERG RIVER**
SAMPLE POINT: **HIGHWAY 11 BRADFORD**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SEVERN RIVER**

STATION ID: **03-0077-002-02**
STORET CODE: **02**
**002**
**2720**

LAT:
LONG:
U T M: **17 0616325.0 4885250.0 4**
REGION: **03**
DISTANCE: **131.802**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 08 1315 | | | .3 | 1 | 28009 | 4 | 60I | 800 | 8 | 20 | 1.0 | 10.2 | 0.6 | 0.160 |
| 80 02 04 1330 | | | .3 | 1 | 28022 | 4 | | | | | 1.0 | 7.6 | 0.4 | 0.078 |
| 80 03 05 1345 | | | .3 | 1 | 28035 | 4 | 220 | 570 | 4< | 4< | 1.0 | 8.0 | 1.6 | 0.155 |
| 80 04 09 1245 | | | .3 | 1 | 28048 | 6 | 1300C | 74000 | 10I | 290 | 7.0 | 6.0 | 1.6 | 0.156 |
| 80 05 08 1200 | | | .3 | 1 | 28061 | 6 | 240 | 2600 | 8 | 10< | 13.0 | 8.0 | 2.0 | 0.090 |
| 80 06 06 1045 | | | .3 | 1 | 28079 | 6 | | 8200 | 4 | 128 | 17.0 | 7.8 | 3.6 | 0.240 |
| 80 07 03 1230 | | | .3 | 1 | 28092 | 6 | 340 | 8400 | 32 | 4< | 22.0 | 8.8 | 4.0 | 0.550 |
| 80 07 23 | | | .3 | 1 | 28069 | 8 | | | | | | | | |
| 80 08 12 1315 | | | .3 | 1 | 28105 | 9 5 | | 36500 | 100I | 180I | 25.0 | 5.0 | 2.2 | 0.228 |
| 80 09 03 1345 | | | .3 | 1 | 28118 | 5 9 | 950C | 18000 | 170 | 360 | 22.0 | 4.0 | 2.4 | 0.200 |
| 80 10 02 1400 | | | .3 | 1 | 28131 | 6 | 750 | 12500 | 10< | 320 | 17.0 | 9.0 | 4.6 | 0.295 |
| 80 10 27 | | | .3 | 1 | 28139 | 8 | | | | | | | | |
| 80 11 14 0845 | | | .3 | 1 | 28149 | 6 | 350I | 6500 | 60I | 390 | 4.0 | 10.0 | 0.6 | 0.085 |
| 80 12 02 1330 | | | .3 | 1 | 28162 | 4 | 5400 | 22000 | 650 | 220 | 1.0 | 6.9 | 1 1 | 0.095 |
| MAXIMUM | | | | | | | 5400 | 74000 | 650 | 390 | 25.0 | 10.2 | 4.6 | 0.550 |
| ARITH MEAN | | | | | | | 1068 | 17279 | 96L | 175L | 10.9 | 7.6 | 2.1 | 0.194 |
| GEOM MEAN | | | | | | | 498 | 7862 | 25L | 70L | 5.7 | 7.4 | 1.8 | 0.164 |
| MINIMUM | | | | | | | 80 | 570 | 4< | 4< | 1.0 | 4.0 | 0.4 | 0.078 |
| STD DEV | | | | | | | 1673 | 21624 | 191L | 161L | 9.4 | 1.9 | 1.4 | 0.132 |
| NO OF SAMPLES | | | | | | | 9 | 11 | 11 | 11 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 08 1315 | | | .3 | 1 | 0.120 | 0.178 | 1.100 | 0.028 | 5.720 | 5.926 | 0.922 | 6.848 | 657.0 | 4.0 |
| 80 02 04 1330 | | | .3 | 1 | 0.037 | 0.231 | 0.840 | 0.026 | 1.250 | 1.507 | 0.609 | 2.116 | 460.0 | 12.0 |
| 80 03 05 1345 | | | .3 | 1 | 0.029 | 0.344 | 1.070 | 0.026 | 1.070 | 1.440 | 0.726 | 2.166 | 459.0 | 6.0 |
| 80 04 09 1245 | | | .3 | 1 | 0.055 | 0.128 | 0.910 | 0.016 | 0.879 | 1.023 | 0.782 | 1.805 | 424.0 | 39.0 |
| 80 05 08 1200 | | | .3 | 1 | 0.002 | 0.026 | 0.900 | 0.024 | 0.891 | 0.941 | 0.874 | 1.815 | 462.0 | 19.0 |
| 80 06 06 1045 | | | .3 | 1 | 0.185 | 0.008 | 0.970 | 0.003 | 0.092 | 0.103 | 0.962 | 1.065 | 459.0 | 12.0 |
| 80 07 03 1230 | | | .3 | 1 | 0.380 | 0.012 | 1.08 | 0.010 | 0.015 | 0.037 | 1.068 | 1.105 | 411 | 13 |
| 80 08 12 1315 | | | .3 | 1 | 0.160 | 0.060 | 1.200 | 0.070 | 0.224 | 0.354 | 1.140 | 1.494 | 464.0 | 6.0 |
| 80 09 03 1345 | | | .3 | 1 | 0.115 | 0.150 | 1.100 | 0.056 | 0.524 | 0.730 | 0.950 | 1.680 | 343.0 | 9.0 |
| 80 10 02 1400 | | | .3 | 1 | 0.270 | 0.138 | 1.08 | 0.005 | 0.005 | 0.148 | 0.942 | 1.090 | 397 | 17 |
| 80 11 14 0845 | | | .3 | 1 | 0.046 | 0.106 | 0.60 | 0.011 | 0.719 | 0.836 | 0.494 | 1.330 | 618 | 9 |
| 80 12 02 1330 | | | .3 | 1 | 0.037 | 0.054 | 0.820 | 0.019 | 2.230 | 2.303 | 0.766 | 3.069 | 451.0 | 15.0 |
| MAXIMUM | | | | | 0.380 | 0.344 | 1.200 | 0.070 | 5.720 | 5.926 | 1.140 | 6.848 | 657.0 | 39.0 |
| ARITH MEAN | | | | | 0.120 | 0.120 | 0.97 | 0.024 | 1.136 | 1.279 | 0.853 | 2.132 | 467 | 13 |
| GEOM MEAN | | | | | 0.067 | 0.076 | 0.96 | 0.018 | 0.375 | 0.624 | 0.832 | 1.823 | 460 | 11 |
| MINIMUM | | | | | 0.002 | 0.008 | 0.60 | 0.003 | 0.005 | 0.037 | 0.494 | 1.065 | 343.0 | 4.0 |
| STD DEV | | | | | 0.113 | 0.099 | 0.16 | 0.020 | 1.577 | 1.608 | 0.186 | 1.591 | 87 | 9 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH | ASUT | HGUT | ALUT | CRUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU |
| 80 01 08 1315 | | | .3 | 1 | 653.0 | 890.0 | 60.000 | 7.44 | 7.6 | | | | | |
| 80 02 04 1330 | | | .3 | 1 | 448.0 | 710.0 | 44.000 | 7.56 | 7.6 | | | | | |
| 80 03 05 1345 | | | .3 | 1 | 453.0 | 710.0 | 41.500 | 7.56 | 7.0 | | | | | |
| 80 04 09 1245 | | | .3 | 1 | 385.0 | 580.0 | 39.500 | 7.82 | | | 0.020 | | | |
| 80 05 08 1200 | | | .3 | 1 | 443.0 | 650.0 | 36.500 | 8.13 | 8.0 | | 0.020< | | | |
| 80 06 06 1045 | | | .3 | 1 | 447.0 | 650.0 | 44.500 | 8.24 | 8.1 | | 0.050< | | | |
| 80 07 03 1230 | | | .3 | 1 | 398 | 600 | 34.5 | 8.14 | 8.4 | | 0.02 < | | | |
| 80 07 23 | | | .3 | 1 | | | | | | 0.001< | | 0.130 | 0.050 | 0 010< |
| 80 08 12 1315 | | | .3 | 1 | 458.0 | 650.0 | 38.000 | 7.84 | 8.0 | | 0.050 | | | |
| 80 09 03 1345 | | | .3 | 1 | 334.0 | 600.0 | 34.000 | 7.72 | 8.0 | | 0.030< | | | |
| 80 10 02 1400 | | | .3 | 1 | 380 | 650 | 40.0 | 8.18 | 8.6 | | 0.03 < | | | |
| 80 10 27 | | | .3 | 1 | | | | | | 0.001< | | 0.210 | 0.002< | 0.007 |
| 80 11 14 0845 | | | .3 | 1 | 609 | 700 | 42.0 | | 8.6 | | | | | |
| 80 12 02 1330 | | | .3 | 1 | 436.0 | 680.0 | 42.500 | 7.64 | | | 0.04 < | | | |
| MAXIMUM | | | | | 653.0 | 890.0 | 60.000 | 8.24 | 8.6 | 0.001 | 0.050 | 0.210 | 0.050 | 0.010 |
| ARITH MEAN | | | | | 453 | 672 | 41.4 | 7.84 | 8.0 | 0.001L | 0.03 L | 0.170 | 0.026L | 0.008L |
| GEOM MEAN | | | | | 446 | 668 | 40.9 | 7.84 | 8.0 | 0.001L | 0.03 L | 0.165 | 0.010L | 0.008L |
| MINIMUM | | | | | 334.0 | 580.0 | 34.000 | 7.44 | 7.0 | 0.001< | 0.020< | 0.130 | 0.002< | 0.007< |
| STD DEV | | | | | 91 | 80 | 6.7 | 0.29 | 0.5 | 0.000L | 0.01 L | 0.057 | 0.034L | 0.002L |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 11 | 10 | 2 | 8 | 2 | 2 | 2 |

(CONTD)

| TEST-NAME: | | | | | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 07 23 | | | .3 | 1 | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020< |
| 80 10 27 | | | .3 | 1 | 0.003< | 0.0002< | 0.005 | 0.004 | 0.002< |
| MAXIMUM | | | | | 0.030 | 0.006 | 0.010 | 0.020 | 0.020 |
| ARITH MEAN | | | | | 0.016L | 0.002 L | 0.007L | 0.012L | 0.011L |
| GEOM MEAN | | | | | 0.009L | 0.001 L | 0.007L | 0.009L | 0.006L |
| MINIMUM | | | | | 0.003< | 0.0002< | 0.005< | 0.004< | 0.002< |
| STD DEV | | | | | 0.019L | 0.003 L | 0.004L | 0.011L | 0.013L |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 |

B.O.W./ SITE: **HOLLAND RIVER**
SAMPLE POINT: **AT HERALD ROAD NEWMARKET**
STATION TYPE: **RIVER FLOW GAUGE FED 02EC009**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SEVERN RIVER**

STATION ID: **03-0077-003-02**
STORET CODE: **02**
**002**
**2720**

LAT:
LONG:
U T M: **17 0623700.0 4881725.0 4**
REGION: **03**
DISTANCE: **140.170**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 08 1000 | | | .3 | 1 | 28002 | 6 | 0.729 | 10000 | 35000 | 2600 | 3000> | 1.0 | 10.0 | 4.2 |
| 80 02 04 1000 | | | .3 | 1 | 28015 | 6 | 0.390 | 22000 | 31000 | 2100 | 800I | 1.0 | 11.2 | 4.6 |
| 80 03 05 1030 | | | .3 | 1 | 28028 | 6 | 0.460 | 56000 | 129000 | 26000 | 4000I | 1.0 | 6.0 | 5.2 |
| 80 04 09 0945 | | | .3 | 1 | 28041 | 6 | 11.500 | 68000 | 155000 | 6000I | 3700 | 6.0 | 5.4 | 3.8 |
| 80 05 08 0945 | | | .3 | 1 | 28054 | 6 | 1.220 | 90I | 330 | 10< | 10I | 9.0 | 9.2 | 3.8 |
| 80 06 06 0800 | | | .3 | 1 | 28072 | 6 | 0.594 | 600I | 13300 | 120 | 500 | 16.0 | 7.2 | 4.6 |
| 80 07 03 0930 | | | .3 | 1 | 28085 | 5 | 0.616 | 1800C | 41000 | 310 | 70I | 18.0 | 6.4 | 6.4 |
| 80 08 12 1000 | | | .3 | 1 | 28098 | 5 | 0.557 | 55000C | 900000 | 3050 | 1900 | 23.0 | 6.6 | 5.4 |
| 80 09 03 0945 | | | .3 | 1 | 28111 | 6 | 1.120 | 39000C | 395000 | 4950 | 3250 | 20.0 | 6.8 | 3.6 |
| 80 10 02 1045 | | | .3 | 1 | 28124 | 6 | 0.765 | 1500000> | 1500000 | 15000> | 15000> | 15.0 | 7.4 | 5.5 |
| 80 11 14 0930 | | | .3 | 1 | 28142 | 6 | 2.330 | 18000 | 60000 | 4000I | 3000I | 5.0 | 7.0 | 11.0 |
| 80 12 02 1030 | | | .3 | 1 | 28155 | 6 | 4.450 | 83000 | 230000 | 6100 | 1500 | 3.0 | 11.9 | 6.2 |
| MAXIMUM | | | | | | | 11.500 | 1500000> | 1500000 | 26000> | 15000> | 23.0 | 11.9 | 11.0 |
| ARITH MEAN | | | | | | | 2.061 | 154457G | 290802 | 5853B | 3061G | 9.8 | 7.9 | 5.4 |
| GEOM MEAN | | | | | | | 1.106 | 16446G | 74392 | 1863B | 1147G | 5.9 | 7.7 | 5.1 |
| MINIMUM | | | | | | | 0.390 | 90 | 330 | 10< | 10 | 1.0 | 5.4 | 3.6 |
| STD DEV | | | | | | | 3.188 | 424673G | 457507 | 7533B | 4018G | 8.1 | 2.1 | 2.0 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 08 1000 | | | .3 | 1 | 1.330 | 1.320 | 3.780 | 4.900 | 0.036 | 6.360 | 10.176 | 1.120 | 11.296 | 711.0 |
| 80 02 04 1000 | | | .3 | 1 | 0.880 | 0.730 | 7.050 | 8.500 | 0.145 | 8.100 | 15.295 | 1.450 | 16.745 | 698.0 |
| 80 03 05 1030 | | | .3 | 1 | 1.120 | 0.710 | 8.300 | 10.100 | 0.080 | 3.570 | 11.950 | 1.800 | 13.750 | 628.0 |
| 80 04 09 0945 | | | .3 | 1 | 0.774 | 0.150 | 0.870 | 2.830 | 0.069 | 1.530 | 2.469 | 1.960 | 4.429 | 744.0 |
| 80 05 08 0945 | | | .3 | 1 | 0.280 | 0.155 | 1.620 | 2.750 | 0.170 | 2.280 | 4.070 | 1.130 | 5.200 | 536.0 |
| 80 06 06 0800 | | | .3 | 1 | 0.321 | 0.030 | 2.250 | 3.620 | 0.365 | 3.400 | 6.015 | 1.370 | 7.385 | 537.0 |
| 80 07 03 0930 | | | 3 | 1 | 0.535 | 0.320 | 1.62 | 2.88 | 0.570 | 4.13 | 6.320 | 1.260 | 7.580 | 533 |
| 80 08 12 1000 | | | 3 | 1 | 0.440 | 0.280 | 0.850 | 2.280 | 0.630 | 4.020 | 5.500 | 1.430 | 6.930 | 624.0 |
| 80 09 03 0945 | | | 3 | 1 | 0.398 | 0.230 | 0.380 | 1.280 | 0.150 | 1.750 | 2.280 | 0.900 | 3.180 | 464.0 |
| 80 10 02 1045 | | | .3 | 1 | 0.405 | 0.250 | 0.73 | 3.80 | 0.042 | 13 | 13.772 | 3.070 | 16.842 | 565 |
| 80 11 14 0930 | | | 3 | 1 | 0.675 | 0.023 | 4.2 | 5.50 | 0.058 | 2.44 | 6.698 | 1.300 | 7.998 | 672 |
| 80 12 02 1030 | | | 3 | 1 | 0.342 | 0.270 | 1.940 | 3.050 | 0.075 | 3.370 | 5.385 | 1.110 | 6.495 | 607.0 |
| MAXIMUM | | | | | 1.330 | 1.320 | 8.300 | 10.100 | 0.630 | 13 | 15.295 | 3.070 | 16.842 | 744.0 |
| ARITH MEAN | | | | | 0.625 | 0.372 | 2.7 | 4.29 | 0.199 | 4 | 7.494 | 1.492 | 8.988 | 609 |
| GEOM MEAN | | | | | 0.552 | 0.223 | 1.8 | 3.68 | 0.127 | 3 | 6.365 | 1.414 | 7.959 | 604 |
| MINIMUM | | | | | 0.280 | 0.023 | 0.380 | 1.280 | 0.036 | 1.530 | 2.280 | 0.900 | 3.180 | 464.0 |
| STD DEV | | | | | 0.339 | 0.373 | 2.5 | 2.61 | 0.208 | 3 | 4.308 | 0.578 | 4.619 | 86 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | CLIDUR | PH | FWPH | HGUT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | MERCURY UNF.TOT. UG/L AS HG |
| 80 01 08 1000 | | | .3 | 1 | 12.0 | 699.0 | 1130.0 | 148.000 | 7.89 | 7.4 | 0.040 |
| 80 02 04 1000 | | | .3 | 1 | 14.0 | 684.0 | 1170.0 | 150.000 | 7.75 | 7.5 | |
| 80 03 05 1030 | | | .3 | 1 | 25.0 | 603.0 | 1090.0 | 158.000 | 7.87 | 8.2 | |
| 80 04 09 0945 | | | .3 | 1 | 374.0 | 370.0 | 570.0 | 45.500 | 7.91 | | |
| 80 05 08 0945 | | | .3 | 1 | 24.0 | 512.0 | 800.0 | 86.000 | 8.12 | 7.7 | |
| 80 06 06 0800 | | | .3 | 1 | 12.0 | 525.0 | 850.0 | 109.000 | 8.01 | 7.9 | |
| 80 07 03 0930 | | | .3 | 1 | 34 | 499 | 800 | 94.0 | 7.82 | 7.9 | |
| 80 08 12 1000 | | | .3 | 1 | 39.0 | 585.0 | 900.0 | 117.000 | 7.86 | 7.9 | |
| 80 09 03 0945 | | | .3 | 1 | 96.0 | 368.0 | 580.0 | 52.000 | 7.81 | 7.3 | |
| 80 10 02 1045 | | | .3 | 1 | 90 | 475 | 780 | 96.0 | 7.38 | 8.0 | |
| 80 11 14 0930 | | | .3 | 1 | 118 | 554 | 950 | 120 | 7.70 | 7.0 | |
| 80 12 02 1030 | | | .3 | 1 | 25.0 | 582.0 | 930.0 | 108.000 | 7.86 | | |
| MAXIMUM | | | | | 374.0 | 699.0 | 1170.0 | 158.000 | 8.12 | 8.2 | 0.040 |
| ARITH MEAN | | | | | 71 | 538 | 879 | 106 | 7.83 | 7.7 | 0.040 |
| GEOM MEAN | | | | | 39 | 528 | 858 | 100 | 7.83 | 7.7 | |
| MINIMUM | | | | | 12.0 | 368.0 | 570.0 | 45.500 | 7.38 | 7.0 | 0.040 |
| STD DEV | | | | | 101 | 104 | 192 | 35 | 0.18 | 0.4 | |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 10 | 1 |

SAMPLE INFORMATION SYSTEM | 1980 WATER QUALITY DATA | DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **DRAINAGE CANAL**
SAMPLE POINT: **S-E CONC.AND NEWMARKET TOWNLINE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SEVERN RIVER**

STATION ID: **03-0077-004-02**
STORET CODE: **02**
**002**
**2720**

LAT:
LONG:
U T M: **17 0611750.0 4875575.0 4**
REGION: **03**
DISTANCE: **144.998**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 08 1445 | | | .3 | 1 | 28011 | 4 | 7500 | 16000 | 44 | 4< | 1.0 | 8.4 | 0.6 | 0.025 |
| 80 02 04 1415 | | | .3 | 1 | 28024 | 4 | 140I | 220 | 50I | 100< | 1.0 | 4.4 | 1.2 | 0.355 |
| 80 03 05 1430 | | | .3 | 1 | 28037 | 4 | 4300 | 1700 | 280 | 40I | 1.0 | 3.0 | 2.4 | 0.083 |
| 80 04 09 1330 | | | .3 | 1 | 28050 | 6 | 660C | 10000 | 10< | 10I | 8.0 | 8.6 | 1.0 | 0.050 |
| 80 05 08 1320 | | | .3 | 1 | 28063 | 6 | 450I | 2500 | 10I | 10< | 13.0 | 8.4 | 2.8 | 0.061 |
| 80 06 06 1115 | | | .3 | 1 | 28081 | 6 | 300 | 4700 | 8 | 16 | 16.0 | 7.2 | 2.8 | 0.055 |
| 80 07 03 1330 | | | .3 | 1 | 28094 | 6 | 60 | 780 | 8 | 12 | 24.0 | 8.0 | 2.2 | 0.037 |
| 80 08 12 1400 | | | .3 | 1 | 28107 | 9 | 400I | 14900 | 20I | 20I | 24.0 | 8.4 | 1.4 | 0.051 |
| 80 09 03 1415 | | | .3 | 1 | 28120 | 6 | 380C | 18000 | 100 | 310 | 24.0 | 9.2 | 2.6 | 0.060 |
| 80 10 02 1445 | | | .3 | 1 | 28133 | 6 | 1500 | 15600 | 110 | 60I | 16.0 | 8.8 | 2.4 | 0.032 |
| 80 11 14 1315 | | | .3 | 1 | 28151 | 6 | 600I | 6000 | 10I | 90I | 4.0 | 6.0 | 0.4 | 0.022 |
| 80 12 02 1400 | | | .3 | 1 | 28164 | 4 | 15000> | 15000> | 380 | 1220 | 1.0 | 5.5 | 0.5 | 0.030 |
| MAXIMUM | | | | | | | 15000> | 18000> | 380 | 1220 | 24.0 | 9.2 | 2.8 | 0.355 |
| ARITH MEAN | | | | | | | 2607G | 8783G | 86L | 158L | 11.1 | 7.2 | 1.7 | 0.072 |
| GEOM MEAN | | | | | | | 778G | 4931G | 35L | 39L | 5.8 | 6.8 | 1.4 | 0.051 |
| MINIMUM | | | | | | | 60 | 220 | 8< | 4< | 1.0 | 3.0 | 0.4 | 0.022 |
| STD DEV | | | | | | | 4491G | 6026G | 121L | 345L | 9.6 | 2.0 | 0.9 | 0.091 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | KJELDAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 08 1445 | | | .3 | 1 | 0.003 | 0.066 | 0.420 | 0.006 | 0.424 | 0.496 | 0.354 | 0.850 | 448.0 | 4.0 |
| 80 02 04 1415 | | | .3 | 1 | 0.031 | 0.138 | 3.350 | 0.010 | 0.128 | 0.276 | 3.212 | 3.488 | 543.0 | 136.0 |
| 80 03 05 1430 | | | .3 | 1 | 0.001 | 0.272 | 1.130 | 0.011 | 0.114 | 0.397 | 0.858 | 1.255 | 421.0 | 18.0 |
| 80 04 09 1330 | | | .3 | 1 | 0.008 | 0.070 | 0.610 | 0.009 | 0.391 | 0.470 | 0.540 | 1.010 | 320.0 | 10.0 |
| 80 05 08 1320 | | | .3 | 1 | 0.001 | 0.044 | 0.780 | 0.004 | 0.001 | 0.049 | 0.736 | 0.785 | 377.0 | 14.0 |
| 80 06 06 1115 | | | .3 | 1 | 0.001 | 0.008 | 0.740 | 0.002 | 0.003 | 0.013 | 0.732 | 0.745 | 351.0 | 9.0 |
| 80 07 03 1330 | | | .3 | 1 | 0.004 | 0.026 | 0.60 | 0.002 | 0.003 | 0.031 | 0.574 | 0.605 | 352 | 7 |
| 80 08 12 1400 | | | .3 | 1 | 0.002 | 0.002< | 0.900 | 0.004 | 0.006 | 0.012 | 0.898 | 0.910 | 433.0 | 5.0 |
| 80 09 03 1415 | | | .3 | 1 | 0.004 | 0.002 | 0.920 | 0.003 | 0.007 | 0.012 | 0.918 | 0.930 | 411.0 | 4.0 |
| 80 10 02 1445 | | | .3 | 1 | 0.009 | 0.080 | 0.65 | 0.004 | 0.006 | 0.090 | 0.570 | 0.660 | 381 | 8 |
| 80 11 14 1315 | | | .3 | 1 | 0.005 | 0.142 | 0.58 | 0.005 | 0.050 | 0.197 | 0.438 | 0.635 | 423 | 5 |
| 80 12 02 1400 | | | .3 | 1 | 0.007 | 0.030 | 0.480 | 0.002 | 0.063 | 0.095 | 0.450 | 0.545 | 389.0 | 17.0 |
| MAXIMUM | | | | | 0.031 | 0.272 | 3.350 | 0.011 | 0.424 | 0.496 | 3.212 | 3.488 | 543.0 | 136.0 |
| ARITH MEAN | | | | | 0.006 | 0.073L | 0.93 | 0.005 | 0.100 | 0.178 | 0.857 | 1.035 | 404 | 19 |
| GEOM MEAN | | | | | 0.004 | 0.034L | 0.77 | 0.004 | 0.023 | 0.084 | 0.705 | 0.893 | 400 | 10 |
| MINIMUM | | | | | 0.001 | 0.002< | 0.420 | 0.002 | 0.001 | 0.012 | 0.354 | 0.545 | 320.0 | 4.0 |
| STD DEV | | | | | 0.008 | 0.079L | 0.78 | 0.003 | 0.151 | 0.186 | 0.785 | 0.798 | 57 | 38 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 08 1445 | | | .3 | 1 | 444.0 | 680.0 | 53.000 | 7.51 | 7.6 |
| 80 02 04 1415 | | | .3 | 1 | 407.0 | 690.0 | 58.000 | 7.41 | 7.6 |
| 80 03 05 1430 | | | .3 | 1 | 403.0 | 695.0 | 78.000 | 7.55 | 7.1 |
| 80 04 09 1330 | | | .3 | 1 | 310.0 | 480.0 | 32.500 | 7.61 | |
| 80 05 08 1320 | | | .3 | 1 | 363.0 | 550.0 | 35.000 | 8.06 | 8.0 |
| 80 06 06 1115 | | | .3 | 1 | 342.0 | 600.0 | 41.000 | 8.29 | 7.6 |
| 80 07 03 1330 | | | .3 | 1 | 345 | 550 | 44.0 | 8.35 | 8.7 |
| 80 08 12 1400 | | | .3 | 1 | 428.0 | 650.0 | 50.000 | 8.25 | 8.4 |
| 80 09 03 1415 | | | .3 | 1 | 407.0 | 640.0 | 51.000 | 7.86 | 8.4 |
| 80 10 02 1445 | | | .3 | 1 | 373 | 660 | 70.5 | 8.18 | 8.5 |
| 80 11 14 1315 | | | .3 | 1 | 418 | 700 | 68 | | 8.4 |
| 80 12 02 1400 | | | .3 | 1 | 372.0 | 600.0 | 44.500 | 7.67 | |
| MAXIMUM | | | | | 444.0 | 700 | 78.000 | 8.35 | 8.7 |
| ARITH MEAN | | | | | 384 | 624 | 52 | 7.89 | 8.0 |
| GEOM MEAN | | | | | 382 | 620 | 50 | 7.88 | 8.0 |
| MINIMUM | | | | | 310.0 | 480.0 | 32.500 | 7.41 | 7.1 |
| STD DEV | | | | | 40 | 69 | 14 | 0.35 | 0.5 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 11 | 10 |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **DRAINAGE CANAL**
SAMPLE POINT: **AT N-S RD.WEST GWILLIMBURY TOWNSHIP**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SEVERN RIVER**

STATION ID: **03-0077-005-02**
STORET CODE: **02**
**002**
**2720**

LAT:
LONG:
U T M: **17 0613450.0 4876925.0 4**
REGION: **03**
DISTANCE: **142.745**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 08 1500 | | | .3 | 1 28012 | 4 | 240 | 1500 | 4< | 12 | 1.0 | 8.2 | 1.2 | 0.070 |
| 80 02 04 1430 | | | .3 | 1 28025 | 4 | 760 | 840 | 10< | 100< | 1.0 | 4.1 | 0.8 | 0.170 |
| 80 03 05 1445 | | | .3 | 1 28038 | 4 | 120I | 500 | 10< | 10< | 1.0 | 4.4 | 2.6 | 0.079 |
| 80 04 09 1345 | | | .3 | 1 28051 | 6 | 610 | 900 | 4< | 8 | 8.0 | 8.4 | 1.0 | 0.085 |
| 80 05 08 1330 | | | .3 | 1 28064 | 6 | 140 | 2200 | 4 | 12 | 13.0 | 7.6 | 2.2 | 0.074 |
| 80 06 06 1130 | | | .3 | 1 28082 | 6 | 220C | 4500 | 28 | 68 | 17.0 | 8.0 | 2.6 | 0.070 |
| 80 07 03 1345 | | | .3 | 1 28095 | 6 | 260I | 6700 | 56 | 132 | 24.0 | 8.0 | 3.0 | 0.059 |
| 80 08 12 1415 | | | .3 | 1 28108 | 9 | 600I | 14000 | 160I | 520 | 24.0 | 8.0 | 1.4 | 0.044 |
| 80 09 03 1430 | | | .3 | 1 28121 | 6 9 | 480C | 18400 | 150 | 380 | 24.0 | 5.6 | 1.8 | 0.058 |
| 80 10 02 1500 | | | .3 | 1 28134 | 6 9 | 3500 | 15000> | 1010 | 1090 | 15.0 | 8.4 | 2.2 | 0.028 |
| 80 11 14 1330 | | | .3 | 1 28152 | 6 | 100I | 16000 | 20< | 20I | 4.0 | 9.2 | 0.4 | 0.018 |
| 80 12 02 1415 | | | .3 | 1 28165 | 4 | 380C | 5700 | 10I | 50I | 1.0 | 4.7 | 0.5 | 0.058 |
| MAXIMUM | | | | | | 3500 | 18400> | 1010 | 1090 | 24.0 | 9.2 | 3.0 | 0.170 |
| ARITH MEAN | | | | | | 617 | 7187G | 122L | 200L | 11.1 | 7.0 | 1.6 | 0.068 |
| GEOM MEAN | | | | | | 356 | 3922G | 25L | 60L | 5.8 | 6.8 | 1.4 | 0.059 |
| MINIMUM | | | | | | 100 | 500 | 4< | 8< | 1.0 | 4.1 | 0.4 | 0.018 |
| STD DEV | | | | | | 933 | 6757G | 286L | 324L | 9.6 | 1.8 | 0.9 | 0.038 |
| NO OF SAMPLES | | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 08 1500 | | | .3 | 1 | 0.003 | 0.048 | 0.580 | 0.007 | 0.538 | 0.593 | 0.532 | 1.125 | 474.0 | 17.0 |
| 80 02 04 1430 | | | .3 | 1 | 0.022 | 0.223 | 1.170 | 0.015 | 0.246 | 0.484 | 0.947 | 1.431 | 479.0 | 66.0 |
| 80 03 05 1445 | | | .3 | 1 | 0.004 | 0.238 | 0.860 | 0.011 | 0.229 | 0.478 | 0.622 | 1.100 | 600.0 | 18.0 |
| 80 04 09 1345 | | | .3 | 1 | 0.012 | 0.078 | 0.780 | 0.011 | 0.560 | 0.649 | 0.702 | 1.351 | 388.0 | 28.0 |
| 80 05 08 1330 | | | .3 | 1 | 0.001 | 0.020 | 0.910 | 0.009 | 0.126 | 0.155 | 0.890 | 1.045 | 393.0 | 19.0 |
| 80 06 06 1130 | | | .3 | 1 | 0.002 | 0.008 | 0.850 | 0.003 | 0.012 | 0.023 | 0.842 | 0.865 | 373.0 | 11.0 |
| 80 07 03 1345 | | | .3 | 1 | 0.001 | 0.014 | 0.66 | 0.006 | 0.004 | 0.024 | 0.646 | 0.670 | 368 | 10 |
| 80 08 12 1415 | | | .3 | 1 | 0.006 | 0.008 | 0.800 | 0.003 | 0.007 | 0.018 | 0.792 | 0.810 | 367.0 | 4.0 |
| 80 09 03 1430 | | | .3 | 1 | 0.011 | 0.006 | 0.750 | 0.003 | 0.007 | 0.016 | 0.744 | 0.760 | 332.0 | 3.0 |
| 80 10 02 1500 | | | .3 | 1 | 0.013 | 0.044 | 0.58 | 0.018 | 0.097 | 0.159 | 0.536 | 0.695 | 374 | 36 |
| 80 11 14 1330 | | | .3 | 1 | 0.005 | 0.056 | 0.48 | 0.009 | 0.111 | 0.176 | 0.424 | 0.600 | 420 | 2 |
| 80 12 02 1415 | | | .3 | 1 | 0.008 | 0.046 | 0.730 | 0.005 | 0.185 | 0.236 | 0.684 | 0.920 | 448.0 | 44.0 |
| MAXIMUM | | | | | 0.022 | 0.238 | 1.170 | 0.018 | 0.560 | 0.649 | 0.947 | 1.431 | 600.0 | 66.0 |
| ARITH MEAN | | | | | 0.007 | 0.066 | 0.76 | 0.008 | 0.177 | 0.251 | 0.697 | 0.948 | 418 | 21 |
| GEOM MEAN | | | | | 0.005 | 0.034 | 0.74 | 0.007 | 0.068 | 0.125 | 0.680 | 0.915 | 412 | 13 |
| MINIMUM | | | | | 0.001 | 0.006 | 0.48 | 0.003 | 0.004 | 0.016 | 0.424 | 0.600 | 332.0 | 2 |
| STD DEV | | | | | 0.006 | 0.080 | 0.18 | 0.005 | 0.194 | 0.237 | 0.156 | 0.267 | 73 | 19 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 08 1500 | | | .3 | 1 | 457.0 | 690.0 | | 110.000 | 7.57 | 7.6 |
| 80 02 04 1430 | | | .3 | 1 | 413.0 | 710.0 | | 60.000 | 7.51 | 7.7 |
| 80 03 05 1445 | | | .3 | 1 | 582.0 | 1010.0 | | 170.000 | 7.74 | 7.2 |
| 80 04 09 1345 | | | .3 | 1 | 360.0 | 540.0 | | 46.000 | 7.58 | |
| 80 05 08 1330 | | | .3 | 1 | 374.0 | 600.0 | | 42.500 | 8.04 | 7.9 |
| 80 06 06 1130 | | | .3 | 1 | 362.0 | 600.0 | | 32.000 | 8.13 | 7.5 |
| 80 07 03 1345 | | | .3 | 1 | 358 | 600 | 5.7 | 119 | 8.24 | 8.4 |
| 80 08 12 1415 | | | .3 | 1 | 363.0 | 550.0 | 1.70 | 49.500 | 8.02 | 8.3 |
| 80 09 03 1430 | | | .3 | 1 | 329.0 | 540.0 | 1.10 | 58.000 | 7.69 | 8.3 |
| 80 10 02 1500 | | | .3 | 1 | 338 | 600 | 1.5 | 83.0 | 8.11 | 8.4 |
| 80 11 14 1330 | | | .3 | 1 | 418 | 700 | | 70 | | 8.4 |
| 80 12 02 1415 | | | .3 | 1 | 404.0 | 650.0 | 8.00 | 63.000 | 7.71 | |
| MAXIMUM | | | | | 582.0 | 1010.0 | 8.00 | 170.000 | 8.24 | 8.4 |
| ARITH MEAN | | | | | 396 | 649 | 3.6 | 75 | 7.85 | 8.0 |
| GEOM MEAN | | | | | 391 | 639 | 2.6 | 67 | 7.85 | 8.0 |
| MINIMUM | | | | | 329.0 | 540.0 | 1.10 | 32.000 | 7.51 | 7.2 |
| STD DEV | | | | | 69 | 128 | 3.0 | 39 | 0.26 | 0.4 |
| NO OF SAMPLES | | | | | 12 | 12 | 5 | 12 | 11 | 10 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

| | | | |
|---|---|---|---|
| B O W / SITE: **HOLLAND RIVER** | | STATION ID: **03-0077-006-02** | |
| SAMPLE POINT: **MULOCK DRIVE NEWMARKET** | MAJOR BASIN: **GREAT LAKES** | STORET CODE: **02**<br>**002**<br>**2720** | |
| STATION TYPE: **RIVER** | MINOR BASIN: **LAKE HURON** | | |
| | TERM STREAM: **SEVERN RIVER** | | |
| LAT | LONG | U T M: **17 0623425.0 4877350.0 4** | REGION **03** | DISTANCE: **144.998** |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
| 80 01 08 0930 | | | .3 | 1 | 28001 | 4 | 8600 | 20000 | 5600 | 3000> | 1.0 | 9.8 | 5.6 | 0.700 |
| 80 02 04 0945 | | | .3 | 1 | 28014 | 4 | | | | | 1.0 | 10.8 | 9.2 | 0.425 |
| 80 03 05 0945 | | | .3 | 1 | 28027 | 4 | 27000 | 43000 | 4200 | 900I | 1.0 | 9.6 | 4.8 | 0.482 |
| 80 04 09 0930 | | | .3 | 1 | 28040 | 3 | 26000 | 50000 | 1900 | 2600 | 5.5 | 9.6 | 3.6 | 0.865 |
| 80 05 08 0920 | | | .3 | 1 | 28053 | 6 | 1200 | 23000 | 280 | 750 | 8.0 | 8.3 | 1.0 | 0.188 |
| 80 06 06 0745 | | | .3 | 1 | 28071 | 6 | 41000 | 150000 | 3200 | 180 | 16.0 | 6.2 | 5.0 | 0.160 |
| 80 07 03 0915 | | | .3 | 1 | 28084 | 5 | 14000 | 63000 | 1000 | 500 | 17.0 | 4.0 | 7.4 | 0.355 |
| 80 08 12 0930 | | | .3 | 1 | 28097 | 5 | 10000 | 110000 | 900 | 650 | 20.0 | 4.0 | 7.8 | 0.178 |
| 80 09 03 0930 | | | .3 | 1 | 28110 | 6 | 38000C | 265000 | 11000 | 3550 | 17.0 | 6.4 | 5.8 | 0.838 |
| 80 10 02 1015 | | | .3 | 1 | 28123 | 6 | 3000I | 73000 | 700I | 800I | 15.0 | 4.0 | 6.5 | 0.312 |
| 80 11 14 0915 | | | .3 | 1 | 28141 | 6 | 82000 | 24000 | 7500> | 7500> | 6.0 | 6.4 | 10.0 | 0.775 |
| 80 12 02 0930 | | | .3 | 1 | 28154 | 6 4 | 27000 | 56000 | 5100 | 1000 | 1.0 | 10.3 | 4.5 | 0.288 |
| MAXIMUM | | | | | | | 82000 | 265000 | 11000> | 7500> | 20.0 | 10.8 | 10.0 | 0.865 |
| ARITH MEAN | | | | | | | 25255 | 79727 | 3762G | 1948G | 9.0 | 7.4 | 5.9 | 0.464 |
| GEOM MEAN | | | | | | | 15266 | 58357 | 2323G | 1186G | 5.2 | 7.0 | 5.2 | 0.393 |
| MINIMUM | | | | | | | 1200 | 20000 | 280 | 180 | 1.0 | 4.0 | 1.0 | 0.160 |
| STD DEV | | | | | | | 23125 | 72933 | 3359G | 2158G | 7.5 | 2.6 | 2.5 | 0.265 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 12 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
| 80 01 08 0930 | | | .3 | 1 | 0.640 | 5.400 | 6.130 | 0.044 | 2.660 | 8.104 | 0.730 | 8.834 | 626.0 | 18.0 |
| 80 02 04 0945 | | | .3 | 1 | 0.330 | 11.300 | 13.400 | 0.021 | 1.030 | 12.351 | 2.100 | 14.451 | 677.0 | 11.0 |
| 80 03 05 0945 | | | .3 | 1 | 0.350 | 8.700 | 9.600 | 0.030 | 0.875 | 9.605 | 0.900 | 10.505 | 687.0 | 22.0 |
| 80 04 09 0930 | | | .3 | 1 | 0.115 | 0.660 | 2.830 | 0.045 | 1.110 | 1.815 | 2.170 | 3.985 | 782.0 | 454.0 |
| 80 05 08 0920 | | | .3 | 1 | 0.135 | 2.910 | 3.950 | 0.115 | 1.130 | 4.155 | 1.040 | 5.195 | 518.0 | 11.0 |
| 80 06 06 0745 | | | .3 | 1 | 0.056 | 7.700 | 23.000 | 0.210 | 1.170 | 9.080 | 15.300 | 24.380 | 648.0 | 21.0 |
| 80 07 03 0915 | | | .3 | 1 | 0.220 | 5.60 | 5.70 | 0.430 | 3.32 | 9.350 | 0.100 | 9.450 | 569 | 36 |
| 80 08 12 0930 | | | .3 | 1 | 0.051 | 1.620 | 3.050 | 1.150 | 3.950 | 6.720 | 1.430 | 8.150 | 628.0 | 48.0 |
| 80 09 03 0930 | | | .3 | 1 | 0.620 | 1.110 | 2.480 | 0.215 | 2.040 | 3.365 | 1.370 | 4.735 | 487.0 | 72.0 |
| 80 10 02 1015 | | | .3 | 1 | 0.200 | 9.7 | | 0.530 | 3.07 | 13.300 | | | 672 | 52 |
| 80 11 14 0915 | | | .3 | 1 | 0.042 | 4.3 | 5.65 | 0.038 | 0.097 | 4.435 | 1.350 | 5.785 | 601 | 139 |
| 80 12 02 0930 | | | .3 | 1 | 0.230 | 4.400 | 5.500 | 0.022 | 1.380 | 5.802 | 1.100 | 6.902 | 549.0 | 17.0 |
| MAXIMUM | | | | | 0.640 | 11.300 | 23.000 | 1.150 | 3.950 | 13.300 | 15.300 | 24.380 | 782.0 | 454.0 |
| ARITH MEAN | | | | | 0.249 | 5.2 | 7.39 | 0.237 | 1.81 | 7.340 | 2.508 | 9.307 | 620 | 75 |
| GEOM MEAN | | | | | 0.176 | 3.9 | 5.84 | 0.103 | 1.36 | 6.405 | 1.270 | 8.101 | 615 | 37 |
| MINIMUM | | | | | 0.042 | 0.660 | 2.480 | 0.021 | 0.097 | 1.815 | 0.100 | 3.985 | 487.0 | 11.0 |
| STD DEV | | | | | 0.205 | 3.4 | 6.09 | 0.333 | 1.17 | 3.581 | 4.282 | 5.840 | 81 | 124 |
| NO OF SAMPLES | | | | | 12 | 12 | 11 | 12 | 12 | 12 | 11 | 11 | 12 | 12 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH |
| 80 01 08 0930 | | | .3 | 1 | 608.0 | 1000.0 | 108.000 | 7.81 | 7.6 |
| 80 02 04 0945 | | | .3 | 1 | 666.0 | 1180.0 | 153.000 | 7.71 | 7.5 |
| 80 03 05 0945 | | | .3 | 1 | 665.0 | 1200.0 | 190.000 | 7.81 | 7.7 |
| 80 04 09 0930 | | | .3 | 1 | 328.0 | 540.0 | 39.000 | 7.78 | |
| 80 05 08 0920 | | | .3 | 1 | 507.0 | 800.0 | 76.000 | 8.03 | 7.5 |
| 80 06 06 0745 | | | .3 | 1 | 627.0 | 1050.0 | 117.000 | 7.85 | 7.9 |
| 80 07 03 0915 | | | .3 | 1 | 533 | 900 | 113 | 7.88 | 7.9 |
| 80 08 12 0930 | | | .3 | 1 | 580.0 | 950.0 | 127.000 | 7.74 | 7.8 |
| 80 09 03 0930 | | | .3 | 1 | 415.0 | 640.0 | 53.000 | 7.71 | 7.5 |
| 80 10 02 1015 | | | .3 | 1 | 620 | 1050 | 138.0 | 7.35 | 7.0 |
| 80 11 14 0915 | | | .3 | 1 | 462 | 820 | 96 | | 7.2 |
| 80 12 02 0930 | | | .3 | 1 | 532.0 | 900.0 | 34.000 | 7.78 | |
| MAXIMUM | | | | | 666.0 | 1200.0 | 190.000 | 8.03 | 7.9 |
| ARITH MEAN | | | | | 545 | 919 | 103 | 7.77 | 7.6 |
| GEOM MEAN | | | | | 534 | 897 | 92 | 7.77 | 7.6 |
| MINIMUM | | | | | 328.0 | 540.0 | 34.000 | 7.35 | 7.0 |
| STD DEV | | | | | 104 | 198 | 47 | 0.17 | 0.3 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 11 | 10 |

DATE OF REPORT: 25 AUG

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

STATION ID: **03-0077-007-02**

B.O.W./ SITE: **AURORA CREEK**
SAMPLE POINT: **HWY.NO.11 NORTH OF ST.ANDREWS COLLEGE**
STATION TYPE: **RIVER FLOW GAUGE MOE 02ED101**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SEVERN RIVER**

STORET CODE: **02**
**002**
**2720**

LAT: LONG: U T M: **17 0622350.0 4875275.0 4** REGION: **03** DISTANCE: **151.274**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 08 0915 | | | .3 | 1 | 28000 | 6 | 21000 | 85000 | 4000 | 1500 | 1.0 | 10.2 | 7.6 | 0.350 |
| 80 02 04 0930 | | | .3 | 1 | 28013 | 6 | | | | | 1.0 | 11.8 | 12.0 | 0.250 |
| 80 03 05 0930 | | | .3 | 1 | 28026 | 6 | 94000 | 170000 | 15100 | 2400 | 1.0 | 8.4 | 6.2 | 0.223 |
| 80 04 09 0900 | | | .3 | 1 | 28039 | 3 | 51000 | 150000 | 4300 | 3000> | 4.5 | 7.4 | 3.4 | 0.360 |
| 80 05 08 0900 | | | .3 | 1 | 28052 | 6 | 210 | 2250 | 10< | 30I | 8.0 | 8.8 | 3.2 | 0.098 |
| 80 06 06 0730 | | | .3 | 1 | 28070 | 6 | 5500C | 34500 | 690 | 470 | 13.0 | 6.5 | 4.6 | 0.156 |
| 80 07 03 0900 | | | .3 | 1 | 28083 | 6 | 5900C | 50000 | 440 | 960 | 15.0 | 4.0 | 5.8 | 0.175 |
| 80 08 12 0915 | | | .3 | 1 | 28096 | 5 | 20000C | 310000 | 1400 | 1800 | 19.0 | 4.8 | 9.2 | 0.120 |
| 80 09 03 0900 | | | .3 | 1 | 28109 | 6 3 | 410000 | 700000 | 52000 | 14000 | 18.0 | 4.4 | 5.4 | 0.255 |
| 80 10 02 1000 | | | .3 | 1 | 28122 | 6 | 66000C | 310000 | 8000I | 10000 | 15.0 | 6.4 | 7.0 | 0.205 |
| 80 11 14 0900 | | | .3 | 1 | 28140 | 6 | 140000 | 370000 | 21000 | 15000 | 6.0 | 8.2 | 10.5 | 0.240 |
| 80 12 02 0915 | | | .3 | 1 | 28153 | 6 | 53000 | 190000 | 10000 | 2000I | 4.0 | 10.4 | 26.0 | 0.285 |
| MAXIMUM | | | | | | | 410000 | 700000 | 52000 | 15000> | 19.0 | 11.8 | 26.0 | 0.360 |
| ARITH MEAN | | | | | | | 78783 | 215614 | 10631L | 4651Q | 8.8 | 7.8 | 8.4 | 0.226 |
| GEOM MEAN | | | | | | | 25331 | 113375 | 2839L | 1891Q | 5.6 | 7.2 | 7.1 | 0.212 |
| MINIMUM | | | | | | | 210 | 2250 | 10< | 30 | 1.0 | 4.0 | 3.2 | 0.098 |
| STD DEV | | | | | | | 117870 | 201529 | 15267L | 5554Q | 6.8 | 2.5 | 6.2 | 0.082 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 08 0915 | | | .3 | 1 | 0.160 | 4.750 | 6.050 | 0.059 | 1.990 | 6.799 | 1.300 | 8.099 | 678.0 | 40.0 |
| 80 02 04 0930 | | | .3 | 1 | 0.032 | 9.000 | 10.500 | 0.031 | 0.848 | 9.879 | 1.500 | 11.379 | 657.0 | 87.0 |
| 80 03 05 0930 | | | .3 | 1 | 0.047 | 9.000 | 10.900 | 0.025 | 0.815 | 9.840 | 1.900 | 11.740 | 653.0 | 51.0 |
| 80 04 09 0900 | | | .3 | 1 | 0.031 | 1.380 | 2.700 | 0.048 | 0.950 | 2.378 | 1.320 | 3.698 | 600.0 | 209.0 |
| 80 05 08 0900 | | | .3 | 1 | 0.013 | 6.550 | 7.500 | 0.085 | 0.675 | 7.310 | 0.950 | 8.260 | 657.0 | 13.0 |
| 80 06 06 0730 | | | .3 | 1 | 0.040 | 2.360 | 15.000 | 0.460 | 0.059 | 2.879 | 12.640 | 15.519 | 527.0 | 34.0 |
| 80 07 03 0900 | | | .3 | 1 | 0.043 | 11.6 | 12.0 | 0.009 | 1.66 | 13.269 | 0.400 | 13.669 | 706 | 26 |
| 80 08 12 0915 | | | .3 | 1 | 0.028 | 1.720 | 3.180 | 0.930 | 1.570 | 4.220 | 1.460 | 5.680 | 527.0 | 30.0 |
| 80 09 03 0900 | | | .3 | 1 | 0.150 | 2.960 | 3.900 | 0.280 | 0.870 | 4.110 | 0.940 | 5.050 | 538.0 | 26.0 |
| 80 10 02 1000 | | | .3 | 1 | 0.041 | 5.0 | 6.65 | 0.830 | 2.35 | 8.180 | 1.650 | 9.830 | 566 | 77 |
| 80 11 14 0900 | | | .3 | 1 | 0.025 | 3.58 | 4.90 | 0.048 | 0.052 | 3.680 | 1.320 | 5.000 | 594 | 101 |
| 80 12 02 0915 | | | .3 | 1 | 0.013 | 6.800 | 8.850 | 0.044 | 0.911 | 7.755 | 2.050 | 9.805 | 738.0 | 108.0 |
| MAXIMUM | | | | | 0.160 | 11.6 | 15.000 | 0.930 | 2.35 | 13.269 | 12.640 | 15.519 | 738.0 | 209.0 |
| ARITH MEAN | | | | | 0.052 | 5.3 | 7.6 | 0.237 | 1.06 | 6.692 | 2.286 | 8.977 | 620 | 66 |
| GEOM MEAN | | | | | 0.038 | 4.4 | 6.7 | 0.092 | 0.89 | 5.899 | 1.513 | 8.232 | 616 | 50 |
| MINIMUM | | | | | 0.013 | 1.380 | 2.700 | 0.009 | 0.052 | 2.378 | 0.400 | 3.698 | 527.0 | 13.0 |
| STD DEV | | | | | 0.049 | 3.2 | 3.8 | 0.328 | 0.70 | 3.331 | 3.291 | 3.704 | 71 | 55 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 08 0915 | | | .3 | 1 | 638.0 | 1050.0 | 110.000 | 7.79 | 7.4 |
| 80 02 04 0930 | | | .3 | 1 | 570.0 | 1020.0 | 123.000 | 7.70 | 7.6 |
| 80 03 05 0930 | | | .3 | 1 | 602.0 | 1080.0 | 138.000 | 7.74 | 7.8 |
| 80 04 09 0900 | | | .3 | 1 | 391.0 | 620.0 | 51.000 | 7.77 | |
| 80 05 08 0900 | | | .3 | 1 | 644.0 | 1000.0 | 115.000 | 7.97 | 7.5 |
| 80 06 06 0730 | | | .3 | 1 | 493.0 | 850.0 | 81.000 | 7.79 | 7.9 |
| 80 07 03 0900 | | | .3 | 1 | 680 | 1150 | 136 | 7.81 | 7.7 |
| 80 08 12 0915 | | | .3 | 1 | 497.0 | 850.0 | 90.000 | 7.55 | 7.4 |
| 80 09 03 0900 | | | .3 | 1 | 512.0 | 860.0 | 93.000 | 7.74 | 7.4 |
| 80 10 02 1000 | | | .3 | 1 | 489 | 830 | 98.0 | 7.21 | 6.9 |
| 80 11 14 0900 | | | .3 | 1 | 493 | 840 | 95 | | |
| 80 12 02 0915 | | | .3 | 1 | 630.0 | 1070.0 | 124.000 | 7.72 | |
| MAXIMUM | | | | | 680 | 1150 | 138.000 | 7.97 | 7.9 |
| ARITH MEAN | | | | | 553 | 935 | 104 | 7.71 | 7.5 |
| GEOM MEAN | | | | | 546 | 923 | 101 | 7.71 | 7.5 |
| MINIMUM | | | | | 391.0 | 620.0 | 51.000 | 7.21 | 6.9 |
| STD DEV | | | | | 86 | 150 | 24 | 0.19 | 0.3 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 11 | 9 |

| | | |
|---|---|---|
| B.O.W./SITE: **BLACK RIVER**<br>SAMPLE POINT: **MOSSINGTON BRIDGE SUTTON**<br>STATION TYPE: **RIVER FLOW GAUGE FED 02EC012** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE HURON**<br>TERM STREAM: **SEVERN RIVER** | STATION ID: **03-0077-008-02**<br>STORET CODE: **02**<br>**002**<br>**2720** |
| LAT: LONG: | U.T.M: **17 0631850.0 4908800.0 4** | REGION: **03** DISTANCE: **104.122** |

| | | | | TEST-NAME: | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 08 1115 | | | 3 | 1 | 28005 | 4 | 0 933 | 120I | 640 | 4 | 4 | 1 0 | 9 8 | 0 6 |
| 80 02 04 1120 | | | 3 | 1 | 28018 | 4 | 0 535 | 170 | 220 | 4< | 4< | 1 0 | 11 0 | 0 2 |
| 80 03 05 1145 | | | 3 | 1 | 28031 | 4 | 0 390 | 220 | 660 | 16 | 4< | 1 0 | 12 6 | 0 4 |
| 80 04 09 1100 | | | 3 | 1 | 28044 | 6 | 7 910 | 380 | 1540 | 8 | 12 | 10 0 | 9 0 | 0 8 |
| 80 05 08 1040 | | | 3 | 1 | 28057 | 6 | 2 290 | 420 | 2100 | 4 | 4 | 13 0 | 7 5 | 1 8 |
| 80 05 23 | | | 3 | 1 | 28065 | 8 | 1 460 | | | | | | | |
| 80 06 06 0900 | | | 3 | 1 | 28075 | 6 | 0 916 | 140I | 1780 | 4 | 4< | 17 0 | 9 2 | 1 8 |
| 80 07 03 1030 | | | 3 | 1 | 28088 | 6 | 1 390 | 260C | 9200 | 16 | 4 | 20 0 | 8 3 | 1 6 |
| 80 08 12 1100 | | | 3 | 1 | 28101 | 6 | 1 060 | 200I | 22000 | 20< | 100I | 24 0 | 6 8 | 2 2 |
| 80 09 03 1115 | | | 3 | 1 | 28114 | 6 | 4 070 | 1000 | 18000 | 130 | 120 | 21 0 | 6 2 | 1 8 |
| 80 10 02 1145 | | | 3 | 1 | 28127 | 6 | 1 290 | 360 | 5600 | 30I | 100 | 14 0 | 7 6 | 1 7 |
| 80 10 27 | | | 3 | 1 | 28135 | 8 | 5 380 | | | | | | | |
| 80 11 14 1030 | | | 3 | 1 | 28145 | 6 | 3 410 | 280 | 4000 | 50I | 50I | 2 0 | 7 8 | 0 4 |
| 80 12 02 1145 | | | 3 | 1 | 28158 | 4 | 4 150 | 12100C | 31000 | 140 | 710 | 1 0 | 9 3 | 0 3 |
| MAXIMUM | | | | | | | 7.910 | 12100 | 31000 | 140 | 710 | 24.0 | 12.6 | 2.2 |
| ARITH MEAN | | | | | | | 2.513 | 1304 | 8062 | 35L | 93L | 10.4 | 8.8 | 1.1 |
| GEOM MEAN | | | | | | | 1.782 | 369 | 3243 | 16L | 18L | 5.4 | 8.6 | 0.9 |
| MINIMUM | | | | | | | 0.390 | 120 | 220 | 4< | 4< | 1.0 | 6.2 | 0.2 |
| STD DEV | | | | | | | 2.197 | 3408 | 10144 | 48L | 199L | 8.9 | 1.8 | 0.7 |
| NO OF SAMPLES | | | | | | | 14 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| | | | | TEST-NAME: | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 08 1115 | | | 3 | 1 | 0 040 | 0 005 | 0 056 | 0 650 | 0 008 | 0 752 | 0 816 | 0 594 | 1 410 | 389 0 |
| 80 02 04 1120 | | | 3 | 1 | 0 032 | 0 010 | 0 136 | 0 610 | 0 012 | 0 753 | 0 901 | 0 474 | 1 375 | 358 0 |
| 80 03 05 1145 | | | 3 | 1 | 0 032 | 0 010 | 0 172 | 0 480 | 0 017 | 0 908 | 1 097 | 0 308 | 1 405 | 316 0 |
| 80 04 09 1100 | | | 3 | 1 | 0 079 | 0 015 | 0 036 | 0 780 | 0 006 | 0 219 | 0 261 | 0 744 | 1 005 | 292 0 |
| 80 05 08 1040 | | | 3 | 1 | 0 056 | 0 003 | 0 020 | 0 870 | 0 007 | 0 033 | 0 060 | 0 850 | 0 910 | 328 0 |
| 80 06 06 0900 | | | 3 | 1 | 0 045 | 0 001< | 0 006 | 0 780 | 0 002 | 0 005< | 0 013 | 0 774 | 0 787 | 264 0 |
| 80 07 03 1030 | | | 3 | 1 | 0 050 | 0 013 | 0 084 | 0 83 | 0 030 | 0 170 | 0 284 | 0 746 | 1 030 | 266 |
| 80 08 12 1100 | | | 3 | 1 | 0 100 | 0 033 | 0 031 | 1 200 | 0 005 | 0 005< | 0 041 | 1 169 | 1 210 | 349 0 |
| 80 09 03 1115 | | | 3 | 1 | 0 050 | 0 027 | 0 056 | 0 820 | 0 010 | 0 060 | 0 126 | 0 764 | 0 890 | 298 0 |
| 80 10 02 1145 | | | 3 | 1 | 0 033 | 0 014 | 0 054 | 0 78 | 0 017 | 0 09 | 0 161 | 0 726 | 0 887 | 323 |
| 80 11 14 1030 | | | 3 | 1 | 0 019 | 0 004 | 0 026 | 0 59 | 0 007 | 0 233 | 0 256 | 0 564 | 0 830 | 333 |
| 80 12 02 1145 | | | 3 | 1 | 0 025 | 0 007 | 0 032 | 0 580 | 0 006 | •0 414 | 0 452 | 0 548 | 1 000 | 325 0 |
| MAXIMUM | | | | | 0.100 | 0.033 | 0.172 | 1.200 | 0.030 | 0.908 | 1.097 | 1.169 | 1.410 | 389.0 |
| ARITH MEAN | | | | | 0.047 | 0.012L | 0.059 | 0.74 | 0.011 | 0.30 L | 0.373 | 0.688 | 1.062 | 320 |
| GEOM MEAN | | | | | 0.042 | 0.008L | 0.043 | 0.72 | 0.009 | 0.11 L | 0.202 | 0.656 | 1.040 | 318 |
| MINIMUM | | | | | 0.019 | 0.001< | 0.006 | 0.480 | 0.002 | 0.005< | 0.013 | 0.308 | 0.787 | 264.0 |
| STD DEV | | | | | 0.023 | 0.010L | 0.049 | 0.18 | 0.008 | 0.32 L | 0.367 | 0.216 | 0.230 | 38 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| | | | | TEST-NAME: | RSP | COND25 | CLIDUR | PH | FWPH | ASUT | HGUT | ALUT | CRUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU |
| 80 01 08 1115 | | | 3 | 1 | 3 0 | 530 0 | 24 000 | 7 86 | 7 8 | | 0 060 | | | |
| 80 02 04 1120 | | | 3 | 1 | 10 0 | 540 0 | 20 000 | 7 80 | 7 8 | | | | | |
| 80 03 05 1145 | | | 3 | 1 | 6 0 | 520 0 | 25 500 | 7 76 | 7 5 | | | | | |
| 80 04 09 1100 | | | 3 | 1 | 16 0 | 425 0 | 23 000 | 8 03 | | | 0 020 | | | |
| 80 05 08 1040 | | | 3 | 1 | 8 0 | 470 0 | 22 000 | 8 04 | 7 8 | | 0 020< | | | |
| 80 05 23 | | | 3 | 1 | | | | | | 0 001< | | 0 030 | 0 040 | 0.010< |
| 80 06 06 0900 | | | 3 | 1 | 4 0 | 400 0 | 18 500 | 8 29 | 8 2 | | 0 050< | | | |
| 80 07 03 1030 | | | 3 | 1 | 3 | 405 | 15 5 | 7 86 | 8 2 | | 0 02 | | | |
| 80 08 12 1100 | | | 3 | 1 | 5 0 | 485 0 | 19 500 | 7 91 | 8 1 | | 0 040 | | | |
| 80 09 03 1115 | | | 3 | 1 | 4 0 | 450 0 | 18 000 | 7 84 | 7 8 | | 0 030< | | | |
| 80 10 02 1145 | | | 3 | 1 | 2 | 490 | 20 0 | 8 29 | 8 1 | | 0 03 < | | | |
| 80 10 27 | | | 3 | 1 | | | | | | 0 001< | | 0 110 | 0 002< | 0 001< |
| 80 11 14 1030 | | | 3 | 1 | 3 | 530 | 25 5 | | 8 1 | | 0 04 | | | |
| 80 12 02 1145 | | | 3 | 1 | 5 0 | 500 0 | 21 000 | 7 83 | | | 0 04 < | | | |
| MAXIMUM | | | | | 16.0 | 540.0 | 25.500 | 8.29 | 8.2 | 0.001 | 0.060 | 0.110 | 0.040 | 0.010 |
| ARITH MEAN | | | | | 5 | 478 | 21.0 | 7.96 | 7.9 | 0.001L | 0.03 L | 0.070 | 0.021L | 0.005L |
| GEOM MEAN | | | | | 4 | 476 | 20.8 | 7.95 | 7.9 | 0.001L | 0.03 L | 0.057 | 0.009L | 0.003L |
| MINIMUM | | | | | 2 | 400.0 | 15.5 | 7.76 | 7.5 | 0.001< | 0.020< | 0.030 | 0.002< | 0.001< |
| STD DEV | | | | | 4 | 49 | 3.0 | 0.19 | 0.2 | 0.000L | 0.01 L | 0.057 | 0.027L | 0.006L |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 11 | 10 | 2 | 10 | 2 | 2 | 2 |

| | | | | TEST-NAME: | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 05 23 | | | 3 | 1 | 0 030< | 0 005 < | 0 010< | 0 020< | 0 020< |
| 80 10 27 | | | 3 | 1 | 0 003< | 0 0002< | 0 003 | 0 002< | 0 002< |
| MAXIMUM | | | | | 0.030 | 0.005 | 0.010 | 0.020 | 0.020 |
| ARITH MEAN | | | | | 0.016L | 0.002 L | 0.006L | 0.011L | 0.011L |
| GEOM MEAN | | | | | 0.009L | 0.001 L | 0.005L | 0.006L | 0.006L |
| MINIMUM | | | | | 0.003< | 0.0002< | 0.003< | 0.002< | 0.002< |
| STD DEV | | | | | 0.019L | 0.003 L | 0.005L | 0.013L | 0.013L |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 |

| SAMPLE INFORMATION SYSTEM | 1980 WATER QUALITY DATA | DATE OF REPORT: 29 AUG 81 |
|---|---|---|
| B.O.W./ SITE: **BEAVERTON RIVER**<br>SAMPLE POINT: **AT FIRST SIDE ROAD WEST OF CANNINGTON**<br>STATION TYPE: **RIVER** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE HURON**<br>TERM STREAM: **SEVERN RIVER** | STATION ID: **03-0077-011-02**<br>STORET CODE: **02**<br>**002**<br>**2720** |
| LAT: LONG: | U T M: **17 0654950.0 4912550.0 4** | REGION: **03** DISTANCE: **118.284** |

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 15 1150 | | | 3 | 1 | 22043 | 4 | 720 | 2600 | 16 | 200 | 0.0 | 10.2 | 0.6 | 0.046 |
| 80 02 19 1130 | | | 3 | 1 | 22115 | 4 | 400 | 2000 | 152 | 16 | 0.0 | 9.1 | 1.0 | 0.035 |
| 80 03 18 1200 | | | 3 | 1 | 22162 | 4 | | | | | 0.0 | 9.5 | 3.2 | 0.188 |
| 80 04 15 1130 | | | 3 | 1 | 22214 | 6 3 | 1000 | 17000 | 290 | 520 | 3.7 | 11.4 | 0.6 | 0.032 |
| 80 05 22 1225 | | | 3 | 1 | 22264 | 6 | 890C | 3900 | 56 | 4< | 19.9 | 11.8 | 1.0 | 0.038 |
| 80 06 24 1200 | | | 3 | 1 | 22314 | 6 | 1600C | 78000 | 30I | 10< | 22.0 | 9.6 | 1.0 | 0.041 |
| 80 07 22 1200 | | | 3 | 1 | 22354 | 6 | | | | | 20.9 | 9.8 | 0.8 | 0.050 |
| 80 08 13 1215 | | | 3 | 1 | 22414 | 6 | 4000I | 38000 | 320 | 240 | 21.0 | 7.8 | 1.2 | 0.048 |
| 80 09 24 1200 | | | 3 | 1 | 22464 | 6 | 4700 | 20000 | 640 | 220 | 13.1 | 9.1 | 1.3 | 0.030 |
| 80 10 22 1210 | | | 3 | 1 | 22514 | 6 | 600I | 7900 | 50I | 130 | 6.2 | 12.2 | | |
| 80 11 25 1400 | | | 3 | 1 | 22560 | 6 | 2400 | 13000 | 40I | 10I | 0.0 | 10.9 | 0.4 | 0.010 |
| 80 12 17 1340 | | | 3 | 1 | 22617 | 8 | 2300 | 11500 | 130 | 90I | | | 1.3 | 0.017 |
| MAXIMUM | | | | | | | 4700 | 78000 | 640 | 520 | 22.0 | 12.2 | 3.2 | 0.188 |
| ARITH MEAN | | | | | | | 1861 | 19390 | 172 | 144L | 9.7 | 10.1 | 1.1 | 0.049 |
| GEOM MEAN | | | | | | | 1383 | 10921 | 95 | 58L | 6.1 | 10.0 | 1.0 | 0.037 |
| MINIMUM | | | | | | | 400 | 2000 | 16 | 4< | 0.0 | 7.8 | 0.4 | 0.010 |
| STD DEV | | | | | | | 1487 | 23207 | 198 | 161L | 9.7 | 1.3 | 0.7 | 0.048 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 15 1150 | | | 3 | 1 | 0.002 | 0.046 | 0.660 | 0.011 | 0.709 | 0.766 | 0.614 | 1.380 | 352.0 | 21.0 |
| 80 02 19 1130 | | | 3 | 1 | 0.013 | 0.290 | 0.880 | 0.011 | 0.954 | 1.255 | 0.590 | 1.845 | 422.0 | 4.0 |
| 80 03 18 1200 | | | 3 | 1 | 0.071 | 0.900 | 2.150 | 0.045 | 1.100 | 2.045 | 1.250 | 3.295 | 305.0 | 11.0 |
| 80 04 15 1130 | | | 3 | 1 | 0.005 | 0.022 | 0.550 | 0.009 | 0.796 | 0.827 | 0.528 | 1.355 | 260.0 | 6.0 |
| 80 05 22 1225 | | | 3 | 1 | 0.008 | 0.044 | 0.710 | 0.008 | 0.128 | 0.180 | 0.666 | 0.846 | 276.0 | 6.0 |
| 80 06 24 1200 | | | 3 | 1 | 0.006 | 0.057 | 0.870 | 0.016 | 0.459 | 0.532 | 0.813 | 1.345 | 291.0 | 8.0 |
| 80 07 22 1200 | | | 3 | 1 | 0.011 | 0.044 | 1.100 | 0.018 | 0.702 | 0.764 | 1.056 | 1.820 | 289.0 | 9.0 |
| 80 08 13 1215 | | | 3 | 1 | 0.015 | 0.022 | 1.020 | 0.010 | 0.310 | 0.342 | 0.998 | 1.340 | 292.0 | 4.0 |
| 80 09 24 1200 | | | 3 | 1 | 0.009 | 0.028 | 0.82 | 0.005 | 0.245 | 0.278 | 0.792 | 1.070 | 276 | 3 |
| 80 11 25 1400 | | | 3 | 1 | 0.001 | 0.010 | 0.500 | 0.004 | 0.521 | 0.535 | 0.490 | 1.025 | 296.0 | 2.0 |
| 80 12 17 1340 | | | 3 | 1 | 0.009 | 0.092 | 0.680 | 0.007 | 0.728 | 0.827 | 0.588 | 1.415 | 343.0 | 3.0 |
| MAXIMUM | | | | | 0.071 | 0.900 | 2.150 | 0.045 | 1.100 | 2.045 | 1.250 | 3.295 | 422.0 | 21.0 |
| ARITH MEAN | | | | | 0.014 | 0.141 | 0.90 | 0.013 | 0.605 | 0.769 | 0.762 | 1.621 | 309 | 7 |
| GEOM MEAN | | | | | 0.008 | 0.058 | 0.83 | 0.010 | 0.517 | 0.618 | 0.729 | 1.424 | 306 | 5 |
| MINIMUM | | | | | 0.001 | 0.010 | 0.500 | 0.004 | 0.128 | 0.180 | 0.490 | 0.846 | 260.0 | 2.0 |
| STD DEV | | | | | 0.020 | 0.263 | 0.45 | 0.011 | 0.302 | 0.525 | 0.248 | 0.661 | 48 | 5 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 15 1150 | | | 3 | 1 | 331.0 | 540.0 | 20.500 | 7.47 | 6.9 |
| 80 02 19 1130 | | | 3 | 1 | 418.0 | 640.0 | 21.500 | 7.27 | 7.0 |
| 80 03 18 1200 | | | 3 | 1 | 294.0 | 460.0 | 29.000 | 7.49 | 6.8 |
| 80 04 15 1130 | | | 3 | 1 | 254.000 | 390.0 | 12.000 | 7.95 | 7.4 |
| 80 05 22 1225 | | | 3 | 1 | 270.000 | 415.0 | 17.500 | 8.30 | 7.7 |
| 80 06 24 1200 | | | 3 | 1 | 283.000 | 435.0 | 17.500 | 8.07 | 7.7 |
| 80 07 22 1200 | | | 3 | 1 | 280.000 | 430.0 | 13.500 | 7.84 | 7.2 |
| 80 08 13 1215 | | | 3 | 1 | 288.0 | 455.0 | 17.500 | 7.87 | 7.4 |
| 80 09 24 1200 | | | 3 | 1 | 273 | 450 | 16.5 | 7.98 | |
| 80 10 22 1210 | | | 3 | 1 | | | | | 7.3 |
| 80 11 25 1400 | | | 3 | 1 | 294.0 | 470.0 | 19.000 | 8.04 | 7.6 |
| 80 12 17 1340 | | | 3 | 1 | 340.0 | 540.0 | 21.500 | 7.47 | |
| MAXIMUM | | | | | 418.0 | 640.0 | 29.000 | 8.30 | 7.7 |
| ARITH MEAN | | | | | 302 | 475 | 18.7 | 7.80 | 7.3 |
| GEOM MEAN | | | | | 299 | 470 | 18.2 | 7.79 | 7.3 |
| MINIMUM | | | | | 254.000 | 390.0 | 12.000 | 7.27 | 6.8 |
| STD DEV | | | | | 46 | 71 | 4.5 | 0.32 | 0.3 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 10 |

B O W / SITE **CANAL LAKE OUTLET**
SAMPLE POINT **BRIDGE, BOLSOVER**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SEVERN RIVER**

STATION ID **03-0077-012-02**

STORET CODE **02**
**002**
**2720**

LAT LONG U T M **17 0652900.0 4932750.0 4** REGION **03** DISTANCE **104.444**

| | | | TEST-NAME: | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 15 1335 | | | 3 | 1 | 22046 | 6 | 10I | 10 | 4< | 4< | 2.0 | 12.9 | 0.2 | 0.007 |
| 80 02 19 1320 | | | 3 | 1 | 22118 | 4 | 12 | 44 | 2< | 2 | 0.0 | 10.2 | 0.2 | 0.006 |
| 80 03 18 1340 | | | 3 | 1 | 22165 | 4 | | | | | 0.0 | 8.5 | 0.2 | 0.011 |
| 80 04 15 1330 | | | 3 | 1 | 22217 | 6 | 56 | 480 | 4< | 4 | 4.8 | 11.9 | 0.8 | 0.020 |
| 80 05 22 1400 | | | 3 | 1 | 22267 | 6 | 30I | 280 | 4< | 4< | 19.8 | 9.6 | 0.8 | 0.023 |
| 80 06 24 1345 | | | 3 | 1 | 22317 | 6 | 24 | 796 | 2< | 2< | 21.5 | 10.2 | 0.8 | 0.016 |
| 80 07 22 1410 | | | 3 | 1 | 22357 | 6 | | | | | 23.8 | 9.3 | 0.4 | 0.024 |
| 80 08 13 1420 | | | 3 | 1 | 22417 | 6 | 10C | 1600 | 4< | 12 | 23.0 | 7.7 | 1.2 | 0.027 |
| 80 09 24 '420 | | | 3 | 1 | 22467 | 6 | 60I | 2700 | 10< | 10< | 15.8 | 9.7 | 1.1 | 0.027 |
| 80 10 22 1400 | | | 3 | 1 | 22517 | 6 | 10< | 390 | 4< | 4 | 7.2 | 11.6 | | |
| 80 11 25 1145 | | | 3 | 1 | 22557 | 6 | 10I | 100 | 4 | 20 | 1.1 | 11.2 | 0.8 | 0.012 |
| 80 12 17 1130 | | | 3 | 1 | 22614 | 8 | 60I | 1100 | 8 | 4< | | | 1.0 | 0.007 |
| MAXIMUM | | | | | | | 60 | 2700 | 10 | 20 | 23.8 | 12.9 | 1.2 | 0.027 |
| ARITH MEAN | | | | | | | 27L | 750 | 6L | 7L | 10.8 | 10.3 | 0.7 | 0.016 |
| GEOM MEAN | | | | | | | 21L | 312 | 4L | 5L | 5.9 | 10.1 | 0.6 | 0.014 |
| MINIMUM | | | | | | | 10< | 10 | 2< | 2< | 0.0 | 7.7 | 0.2 | 0.006 |
| STD DEV | | | | | | | 21L | 853 | 3L | 6L | 10.0 | 1.6 | 0.4 | 0.008 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 11 | 11 | 11 | 11 |

| | | | TEST-NAME: | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 15 1335 | | | 3 | 1 | 0.004 | 0.062 | 0.320 | 0.012 | 1.190 | 1.264 | 0.258 | 1.522 | 225.0 | 1.0 |
| 80 02 19 1320 | | | 3 | 1 | 0.004 | 0.050 | 0.340 | 0.006 | 0.154 | 0.210 | 0.290 | 0.500 | 237.0 | 0.4 |
| 80 03 18 1340 | | | 3 | 1 | 0.003 | 0.152 | 0.430 | 0.005 | 0.185 | 0.342 | 0.278 | 0.620 | 218.0 | 3.0 |
| 80 04 15 1330 | | | 3 | 1 | 0.001 | 0.020 | 0.320 | 0.003 | 0.042 | 0.065 | 0.300 | 0.365 | 251.0 | 4.0 |
| 80 05 22 1400 | | | 3 | 1 | 0.001< | 0.014 | 0.420 | 0.001 | 0.005< | 0.020 | 0.406 | 0.426 | 184.0 | 2.0 |
| 80 06 24 1345 | | | 3 | 1 | 0.001 | 0.018 | 0.410 | 0.001 | 0.004 | 0.023 | 0.392 | 0.415 | 139.0 | 2.0 |
| 80 07 22 1410 | | | 3 | 1 | 0.001 | 0.014 | 0.480 | 0.002 | 0.003 | 0.019 | 0.466 | 0.485 | 132.0 | 2.0 |
| 80 08 13 1420 | | | 3 | 1 | 0.001< | 0.004 | 0.510 | 0.002 | 0.003 | 0.009 | 0.506 | 0.515 | 136.0 | 3.0 |
| 80 09 24 1420 | | | 3 | 1 | 0.009 | 0.048 | 0.49 | 0.001< | 0.010 | 0.059 | 0.442 | 0.501 | 138 | 1 |
| 80 11 25 1145 | | | 3 | 1 | 0.004 | 0.010 | 0.400 | 0.001 | 0.014 | 0.025 | 0.390 | 0.415 | 204.0 | 2.0 |
| 80 12 17 1130 | | | 3 | 1 | 0.001 | 0.014 | 0.380 | 0.001 | 0.059 | 0.074 | 0.366 | 0.440 | 245.0 | 0.6 |
| MAXIMUM | | | | | 0.009 | 0.152 | 0.510 | 0.012 | 1.190 | 1.264 | 0.506 | 1.522 | 251.0 | 4.0 |
| ARITH MEAN | | | | | 0.003L | 0.037 | 0.40 | 0.003L | 0.152L | 0.192 | 0.372 | 0.564 | 191 | 1 |
| GEOM MEAN | | | | | 0.002L | 0.023 | 0.40 | 0.002L | 0.026L | 0.062 | 0.364 | 0.516 | 186 | 1 |
| MINIMUM | | | | | 0.001< | 0.004 | 0.320 | 0.001< | 0.003< | 0.009 | 0.258 | 0.365 | 132.0 | 0.4 |
| STD DEV | | | | | 0.002L | 0.043 | 0.08 | 0.003L | 0.350L | 0.370 | 0.062 | 0.325 | 47 | 1 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| | | | TEST-NAME: | | COND25 | TURB | CLIDUR | PH | FWPH | HGUT | ALUT | CRUT | CUUT | PBUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'TY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB |
| 80 01 15 1335 | | | 3 | 1 | 345.0 | 1.20 | 4.400 | 7.84 | 7.4 | 0.020 | | | | |
| 80 02 19 1320 | | | 3 | 1 | 365.0 | 1.40 | 5.300 | 7.65 | 7.2 | | | | | |
| 80 03 18 1340 | | | 3 | 1 | 330.0 | 1.00 | 5.250 | 7.53 | 7.0 | | | | | |
| 80 04 15 1330 | | | 3 | 1 | 380.0 | 1.40 | 2.750 | 8.19 | 7.2 | 0.020< | | | | |
| 80 05 22 1400 | | | 3 | 1 | 280.0 | 1.40 | 4.500 | 8.40 | 7.7 | | 0.030 | 0.020< | 0.010< | 0.030< |
| 80 06 24 1345 | | | 3 | 1 | 210.0 | 3.70 | 1.400 | 8.50 | 8.1 | | | | | |
| 80 07 22 1410 | | | 3 | 1 | 200.0 | 1.10 | 4.650 | 8.26 | 7.8 | | | | | |
| 80 08 13 1420 | | | 3 | 1 | 205.0 | 1.50 | 4.400 | 8.49 | 8.2 | | | | | |
| 80 09 24 1420 | | | 3 | 1 | 210 | 1.4 | 3.45 | 8.23 | | | | | | |
| 80 10 22 1400 | | | 3 | 1 | | | | | 7.8 | | | | | |
| 80 11 25 1145 | | | 3 | 1 | 310.0 | 0.80 | 4.800 | 8.30 | 8.0 | | | | | |
| 80 12 17 1130 | | | 3 | 1 | 375.0 | 0.88 | 4.800 | | | | | | | |
| MAXIMUM | | | | | 380.0 | 3.70 | 5.300 | 8.50 | 8.2 | 0.020 | 0.030 | 0.020 | 0.010 | 0.030 |
| ARITH MEAN | | | | | 291 | 1.4 | 4.15 | 8.14 | 7.6 | 0.020L | 0.030 | 0.020L | 0.010L | 0.030L |
| GEOM MEAN | | | | | 282 | 1.3 | 3.93 | 8.13 | 7.6 | 0.020L | | | | |
| MINIMUM | | | | | 200.0 | 0.80 | 1.400 | 7.53 | 7.0 | 0.020< | 0.030 | 0.020< | 0.010< | 0.030< |
| STD DEV | | | | | 73 | 0.7 | 1.17 | 0.35 | 0.4 | 0.000L | | | | |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 10 | 10 | 2 | 1 | 1 | 1 | 1 |

| | | | TEST-NAME: | | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 05 22 1400 | | | 3 | 1 | 0.005< | 0.010< | 0.020< | 0.020< |
| MAXIMUM | | | | | 0.005 | 0.010 | 0.020 | 0.020 |
| ARITH MEAN | | | | | 0.005L | 0.010L | 0.020L | 0.020L |
| GEOM MEAN | | | | | | | | |
| MINIMUM | | | | | 0.005< | 0.010< | 0.020< | 0.020< |
| STD DEV | | | | | | | | |
| NO OF SAMPLES | | | | | 1 | 1 | 1 | 1 |

| | | | |
|---|---|---|---|
| B.O.W./SITE: **SEVERN RIVER** | | STATION ID **03-0077-013-02** | |
| SAMPLE POINT: **AT MAIN LOCK DAM PORT SEVERN** | MAJOR BASIN: **GREAT LAKES** | STORET CODE **02** | |
| STATION TYPE: **RIVER** | MINOR BASIN: **LAKE HURON** | **002** | |
| | TERM STREAM: **SEVERN RIVER** | **2720** | |
| LAT | LONG: | U T M: **17 0601175.0 4961750.0 4** | REGION: **03** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | PPUT | PPO4FR | RSP | RSF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L |
| 80 01 16 1010 | | | 3 | 1 | 22052 | 6 | | | 0.0 | 12.3 | 0.011 | 0.002 | 1.00 | 98.000 |
| 80 02 20 1015 | | | 3 | 1 | 22124 | 4 | 4< | 4< | 0.0 | 11.8 | 0.029 | 0.017 | 1.00 | 140.000 |
| 80 03 19 1015 | | | 3 | 1 | 22171 | 4 | | | 0.0 | 10.3 | 0.440 | 0.010 | 1.00 | 140.000 |
| 80 03 27 1140 | | | 3 | 1 | 21129 | 6 | 4 | 24 | 1.4 | 11.5 | 0.016 | 0.003 | 4.00 | 127.000 |
| 80 04 09 1018 | | | 3 | 1 | 21133 | 6 | | | 5.8 | 9.6 | 0.048 | 0.004 | 3.00 | |
| 80 04 16 1000 | | | 3 | 1 | 22223 | 6 | | | 2.0 | 11.6 | 0.016 | 0.002 | 3.00 | 91.000 |
| 80 05 23 0950 | | | 3 | 1 | 22273 | 6 | | | 16.6 | 9.8 | 0.014 | 0.001 | 129.00 | 127.000 |
| 80 06 25 0935 | | | 3 | 1 | 22323 | 6 | 4 | 4< | 19.8 | 8.8 | 0.013 | 0.001 | 2.0 | 143 |
| 80 07 23 0940 | | | 3 | 1 | 22363 | 6 | | | 24.0 | 6.3 | 0.016 | 0.004 | 1.00 | 140.000 |
| 80 08 14 0945 | | | 3 | 1 | 22423 | 6 | 10< | 80I | 21.8 | 7.4 | | | | |
| 80 09 25 0955 | | | 3 | 1 | 22473 | 6 | | | 14.6 | 8.2 | 0.010 | 0.001< | 2 | 156 |
| 80 10 23 1000 | | | 3 | 1 | 22523 | 6 | | | 7.7 | 10.2 | 0.013 | 0.001< | 1.00 | 153.000 |
| 80 11 24 1600 | | | 3 | 1 | 22551 | 6 | | | 3.0 | 9.1 | 0.041 | 0.008 | 1.00 | 114.00 |
| 80 12 16 1600 | | | 3 | 1 | 22608 | 8 | | | | | 0.010 | 0.004 | 1.00 | 98.000 |
| MAXIMUM | | | | | | | 10 | 80 | 24.0 | 12.3 | 0.440 | 0.017 | 129.00 | 156 |
| ARITH MEAN | | | | | | | 5L | 28L | 9.0 | 9.8 | 0.062 | 0.004L | 11 | 127 |
| GEOM MEAN | | | | | | | 6L | 13L | 4.9 | 9.6 | 0.022 | 0.003L | 2 | 126 |
| MINIMUM | | | | | | | 4< | 4< | 0.0 | 6.3 | 0.010 | 0.001< | 1.00 | 91.000 |
| STD DEV | | | | | | | 3L | 38L | 9.1 | 1.8 | 0.117 | 0.006L | 35 | 22 |
| NO OF SAMPLES | | | | | | | 4 | 4 | 13 | 13 | 13 | 13 | 13 | 12 |

| TEST-NAME: | | | | | COND25 | ALKT | PH | FWPH | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD |
| 80 01 16 1010 | | | 3 | 1 | | 202 | 7.37 | 7.1 | 0.001< | 0.020 | 0.020< | 0.010< | 0.030< | 0.005 < |
| 80 02 20 1015 | | | 3 | 1 | 215.0 | 72 | 7.60 | 7.0 | 0.001 | | 0.020< | 0.010< | 0.030< | 0.005 < |
| 80 03 19 1015 | | | 3 | 1 | | 76.0 | 7.58 | 6.5 | 0.001< | 0.020< | 0.020< | 0.010< | 0.030< | 0.005 < |
| 80 03 27 1140 | | | 3 | 1 | | 66.0 | 7.35 | 7.3 | 0.001 | 0.020< | 0.020< | 0.010< | 0.030< | 0.005 < |
| 80 04 09 1018 | | | 3 | 1 | 160.0 | 55.0 | 7.55 | 7.2 | 0.001< | 0.020< | 0.020< | 0.010< | 0.030< | 0.005 < |
| 80 04 16 1000 | | | 3 | 1 | 140.0 | 47.0 | 7.96 | 6.6 | 0.001< | 0.040 | 0.020< | 0.010< | 0.030< | 0.005 < |
| 80 05 23 0950 | | | 3 | 1 | 195.0 | 71.0 | 8.14 | 7.9 | 0.001< | | 0.020< | 0.010< | 0.030< | 0.005 < |
| 80 06 25 0935 | | | 3 | 1 | 225 | 83 | 8.23 | 7.7 | 0.001< | | 0.020< | 0.010< | 0.030< | 0.005 < |
| 80 07 23 0940 | | | 3 | 1 | 215.0 | 79.0 | 8.11 | 7.2 | 0.001< | | 0.020< | 0.010 | 0.030< | 0.005 < |
| 80 08 14 0945 | | | 3 | 1 | | | | 7.6 | 0.001< | | 0.002< | 0.003 | 0.003< | 0.0004 |
| 80 09 25 0955 | | | 3 | 1 | 240 | 84 | 7.72 | | 0.001< | | 0.002< | 0.018 | 0.006 | 0.0002< |
| 80 10 23 1000 | | | 3 | 1 | 235.0 | 80.0 | 8.03 | 7.7 | | | | | | |
| 80 11 24 1600 | | | 3 | 1 | 175.0 | 59.0 | 7.84 | 6.7 | 0.001< | | 0.002< | 0.001< | 0.003< | 0.0002< |
| 80 12 16 1600 | | | 3 | 1 | | 53.0 | 7.21 | | | 1.030 | | | | |
| MAXIMUM | | | | | 240 | 202 | 8.23 | 7.9 | 0.001 | 1.030 | 0.020 | 0.018 | 0.030 | 0.006 |
| ARITH MEAN | | | | | 200 | 79 | 7.75 | 7.2 | 0.001L | 0.192L | 0.016L | 0.008L | 0.023L | 0.003 L |
| GEOM MEAN | | | | | 197 | 73 | 7.74 | 7.2 | 0.001L | 0.043L | 0.011L | 0.008L | 0.018L | 0.002 L |
| MINIMUM | | | | | 140.0 | 47.0 | 7.21 | 6.5 | 0.001< | 0.020< | 0.002< | 0.001< | 0.003< | 0.0002< |
| STD DEV | | | | | 34 | 33 | 0.33 | 0.5 | 0.000L | 0.411L | 0.008L | 0.004L | 0.012L | 0.002 L |
| NO OF SAMPLES | | | | | 9 | 13 | 13 | 12 | 12 | 6 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | ZNUT | P1PCBT |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ZINC UNF.TOT. MG/L AS ZN | PCB TOTAL UG/L |
| 80 01 16 1010 | | | 3 | 1 | 0.020 | 0.060 |
| 80 02 20 1015 | | | 3 | 1 | 0.010< | 0.020R |
| 80 03 19 1015 | | | 3 | 1 | 0.010< | 0.020R |
| 80 03 27 1140 | | | 3 | 1 | 0.010< | 0.020R |
| 80 04 09 1018 | | | 3 | 1 | 0.010< | 0.020R |
| 80 04 16 1000 | | | 3 | 1 | 0.010< | 0.020R |
| 80 05 23 0950 | | | 3 | 1 | 0.010< | 0.020R |
| 80 06 25 0935 | | | 3 | 1 | 0.010< | 0.020R |
| 80 07 23 0940 | | | 3 | 1 | 0.010< | |
| 80 08 14 0945 | | | 3 | 1 | 0.001< | 0.020R |
| 80 09 25 0955 | | | 3 | 1 | 0.003 | 0.020R |
| 80 10 23 1000 | | | 3 | 1 | | 0.020R |
| 80 11 24 1600 | | | 3 | 1 | 0.024 | 0.020R |
| 80 12 16 1600 | | | 3 | 1 | | 0.020R |
| MAXIMUM | | | | | 0.024 | |
| ARITH MEAN | | | | | 0.011L | |
| GEOM MEAN | | | | | 0.008L | |
| MINIMUM | | | | | 0.001< | |
| STD DEV | | | | | 0.006L | |
| NO OF SAMPLES | | | | | 12 | |

B.O.W./ SITE: **UXBRIDGE BROOK**
SAMPLE POINT: **1ST.CONC.DNSTR.OF UXBRIDGE STP**
STATION TYPE: **RIVER FLOW GAUGE FED 02EC101**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SEVERN RIVER**

STATION ID: **03-0077-014-02**
STORET CODE: **02**
**002**
**2720**

LAT. LONG U.T.M.: **17 0650200.0 4886875.0 4** REGION: **03** DISTANCE: **135.664**

| | | | | TEST-NAME: | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 15 1030 | | | .3 | 1 | 22041 | 6 | 0.314 | 2820 | 7800 | 510 | 70I | 2.5 | 12.2 | 1.4 |
| 80 02 19 1000 | | | .3 | 1 | 22113 | 6 | 0.317 | 2500 | 16000 | 670 | 60I | 1.0 | 12.3 | 1.0 |
| 80 03 18 1050 | | | .3 | 1 | 22160 | 6 | 1.870 | | | | | 0.0 | 10.9 | 4.4 |
| 80 04 15 1030 | | | .3 | 1 | 22212 | 6 | 0.828 | 4700 | 22000 | 1240 | 980 | 3.5 | 11.6 | 0.8 |
| 80 05 22 1045 | | | .3 | 1 | 22262 | 6 | 0.360 | 530C | 23000 | 76 | 92 | 15.7 | 10.0 | 1.8 |
| 80 06 24 1040 | | | .3 | 1 | 22312 | 6 | 0.292 | 250C | 24000 | 236 | 420 | 18.1 | 9.1 | 1.8 |
| 80 07 22 1050 | | | .3 | 1 | 22352 | 6 | 0.468 | | | | | 19.2 | 8.9 | 1.6 |
| 80 08 13 1040 | | | .3 | 1 | 22412 | 6 | 0.323 | 2500C | 55000 | 1150 | 2600 | 17.9 | 8.1 | 2.0 |
| 80 09 24 1010 | | | .3 | 1 | 22462 | 6 | 0.347 | 5100C | 25000 | 2400 | 4900 | 11.0 | 9.5 | 2.4 |
| 80 10 22 1030 | | | .3 | 1 | 22512 | 6 | 0.375 | 1400 | 3700 | 400 | 3100 | 6.5 | 11.5 | |
| 80 11 25 1530 | | | .3 | 1 | 22562 | 6 | 0.331 | 4300 | 15000 | 110 | 400I | 2.2 | 10.1 | 0.8 |
| 80 12 17 1500 | | | .3 | 1 | 22619 | 8 | 0.297 | 1600 | 4700 | 50I | 20< | | | 1.9 |
| | | | MAXIMUM | | | | 1.870 | 5100 | 55000 | 2400 | 4900 | 19.2 | 12.3 | 4.4 |
| | | | ARITH MEAN | | | | 0.510 | 2570 | 19620 | 684 | 1264L | 8.9 | 10.4 | 1.8 |
| | | | GEOM MEAN | | | | 0.421 | 1876 | 14912 | 368 | 372L | 5.5 | 10.3 | 1.6 |
| | | | MINIMUM | | | | 0.292 | 250 | 3700 | 50 | 20< | 0.0 | 8.1 | 0.8 |
| | | | STD DEV | | | | 0.463 | 1695 | 14784 | 737 | 1690L | 7.8 | 1.4 | 1.0 |
| | | | NO OF SAMPLES | | | | 12 | 10 | 10 | 10 | 10 | 11 | 11 | 11 |

| | | | | TEST-NAME: | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 15 1030 | | | .3 | 1 | 0.050 | 0.014 | 0.396 | 0.690 | 0.026 | 0.859 | 1.281 | 0.294 | 1.575 | 274.0 |
| 80 02 19 1000 | | | .3 | 1 | 0.035 | 0.016 | 0.680 | 0.890 | 0.034 | 0.840 | 1.554 | 0.210 | 1.764 | 306.0 |
| 80 03 18 1050 | | | .3 | 1 | 0.203 | 0.052 | 0.324 | 1.550 | 0.025 | 1.670 | 2.019 | 1.226 | 3.245 | 327.0 |
| 80 04 15 1030 | | | .3 | 1 | 0.182 | 0.012 | 0.150 | 0.875 | 0.024 | 0.716 | 0.890 | 0.725 | 1.615 | 342.0 |
| 80 05 22 1045 | | | .3 | 1 | 0.019 | 0.001< | 0.440 | 0.770 | 0.195 | 0.270 | 0.905 | 0.330 | 1.235 | 287.0 |
| 80 06 24 1040 | | | .3 | 1 | 0.032 | 0.003 | 0.585 | 0.330 | 0.530 | 0.070 | 1.185 | 0.255 | 0.930 | 290.0 |
| 80 07 22 1050 | | | .3 | 1 | 0.080 | 0.007 | 0.342 | 1.000 | 0.071 | 0.284 | 0.697 | 0.658 | 1.355 | 294.0 |
| 80 08 13 1040 | | | .3 | 1 | 0.034 | 0.001 | 0.292 | 0.640 | 0.125 | 0.275 | 0.692 | 0.348 | 1.040 | 289.0 |
| 80 09 24 1010 | | | .3 | 1 | 0.028 | 0.008 | 0.018 | 0.83 | 0.008 | 1.0 | 1.026 | 0.812 | 1.838 | 261 |
| 80 11 25 1530 | | | .3 | 1 | 0.023 | 0.005 | 0.264 | 0.500 | 0.024 | 0.626 | 0.914 | 0.236 | 1.150 | 337.0 |
| 80 12 17 1500 | | | .3 | 1 | 0.225 | 0.054 | 0.252 | 0.620 | 0.016 | 1.030 | 1.298 | 0.368 | 1.666 | 328.0 |
| | | | MAXIMUM | | 0.225 | 0.054 | 0.680 | 1.550 | 0.530 | 1.670 | 2.019 | 1.226 | 3.245 | 342.0 |
| | | | ARITH MEAN | | 0.083 | 0.018L | 0.340 | 0.79 | 0.098 | 0.8 | 1.133 | 0.497 | 1.583 | 303 |
| | | | GEOM MEAN | | 0.056 | 0.008L | 0.282 | 0.73 | 0.046 | 0.5 | 1.077 | 0.421 | 1.494 | 302 |
| | | | MINIMUM | | 0.019 | 0.001< | 0.018 | 0.330 | 0.008 | 0.070 | 0.692 | 0.210 | 0.930 | 261 |
| | | | STD DEV | | 0.080 | 0.018L | 0.186 | 0.31 | 0.164 | 0.4 | 0.398 | 0.320 | 0.626 | 26 |
| | | | NO OF SAMPLES | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| | | | | TEST-NAME: | RSP | RSF | COND25 | CLIDUR | PH | FWPH | CRUT | CUUT | PBUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN |
| 80 01 15 1030 | | | .3 | 1 | 11.0 | 263.0 | 450.0 | 21.000 | 7.92 | 7.6 | 0.020< | 0.010< | 0.030< | 0.010< |
| 80 02 19 1000 | | | .3 | 1 | 9.0 | 297.0 | 455.0 | 19.000 | 8.03 | 7.7 | 0.020< | 0.010< | 0.030< | 0.010< |
| 80 03 18 1050 | | | .3 | 1 | 103.0 | 224.000 | 345.0 | 30.500 | 7.73 | 7.3 | 0.020< | 0.010< | 0.030 | 0.030 |
| 80 04 15 1030 | | | .3 | 1 | 92.0 | 250.000 | 385.0 | 5.300 | 8.01 | 7.5 | 0.030 | 0.020 | 0.030< | 0.010< |
| 80 05 22 1045 | | | .3 | 1 | 4.0 | 283.000 | 435.0 | 21.000 | 8.25 | 7.8 | | | | |
| 80 06 24 1040 | | | .3 | 1 | 7.0 | 283.000 | 435.0 | 21.000 | 8.05 | 7.7 | 0.020< | 0.010< | 0.030< | 0.010< |
| 80 07 22 1050 | | | .3 | 1 | 24.0 | 270.000 | 415.0 | 21.000 | 7.92 | 7.3 | | | | |
| 80 08 13 1040 | | | .3 | 1 | 6.0 | 283.000 | 435.0 | 15.500 | 8.18 | 7.8 | 0.002< | 0.004 | 0.003< | 0.006 |
| 80 09 24 1010 | | | .3 | 1 | 6 | 255 | 440 | 21.0 | 7.99 | | | | | |
| 80 10 22 1030 | | | .3 | 1 | | | | | | 7.5 | | | | |
| 80 11 25 1530 | | | .3 | 1 | 9.0 | 328.0 | 550.0 | 45.500 | 8.27 | 7.7 | 0.002< | 0.006 | 0.003< | 0.007 |
| 80 12 17 1500 | | | .3 | 1 | 34.0 | 294.0 | 485.0 | 21.500 | 7.99 | | | | | |
| | | | MAXIMUM | | 103.0 | 328.0 | 550.0 | 45.500 | 8.27 | 7.8 | 0.030 | 0.020 | 0.030 | 0.030 |
| | | | ARITH MEAN | | 27 | 276 | 439 | 22.0 | 8.03 | 7.6 | 0.016L | 0.010L | 0.022L | 0.012L |
| | | | GEOM MEAN | | 14 | 274 | 436 | 19.8 | 8.03 | 7.6 | 0.011L | 0.009L | 0.016L | 0.010L |
| | | | MINIMUM | | 4.0 | 224.000 | 345.0 | 5.300 | 7.73 | 7.3 | 0.002< | 0.004< | 0.003< | 0.006< |
| | | | STD DEV | | 35 | 27 | 62 | 9.7 | 0.16 | 0.2 | 0.010L | 0.005L | 0.013L | 0.008L |
| | | | NO OF SAMPLES | | 11 | 11 | 11 | 11 | 11 | 10 | 7 | 7 | 7 | 7 |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

| | | |
|---|---|---|
| B.O.W./ SITE: **DRAINAGE CANAL**<br>SAMPLE POINT: **UPSTR.FROM PUMPING STATION N-W END**<br>STATION TYPE: **RIVER** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE HURON**<br>TERM STREAM: **SEVERN RIVER** | STATION ID: **03-0077-017-02**<br>STORET CODE: **02**<br>**002**<br>**2720** |
| LAT: LONG: | U T M: **17 0610600.0 4877975.0 4** | REGION: **03** DISTANCE: **141.779** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT MG/L AS P |
| 80 01 08 1415 | | | .3 | 1 | 28010 | 4 | 5100 | 17000 | 160I | 960 | 1.0 | 11.8 | 1.2 | 0.087 |
| 80 02 04 1400 | | | .3 | 1 | 28023 | 4 | 1600 | 1300 | 40I | 20I | 1.0 | 7.6 | 0.6 | 0.036 |
| 80 03 05 1415 | | | .3 | 1 | 28036 | 4 | 1700 | 1260 | 70I | 10< | 1.0 | 7.2 | 3.2 | 0.079 |
| 80 04 09 1315 | | | .3 | 1 | 28049 | 6 | 49000 | 26000 | 190 | 320 | 9.0 | 7.2 | 1.2 | 0.108 |
| 80 05 08 1300 | | | .3 | 1 | 28062 | 6 | 1100 | 6900 | 10< | 10< | 13.0 | 7.4 | 1.6 | 0.085 |
| 80 06 06 1100 | | | .3 | 1 | 28080 | 6 | 1200 | 12000 | 20 | 84 | 17.0 | 7.2 | 3.2 | 0.070 |
| 80 07 03 1300 | | | .3 | 1 | 28093 | 6 | 3600 | 17300 | 12 | 32 | 24.0 | 8.8 | 2.2 | 0.058 |
| 80 08 12 1345 | | | .3 | 1 | 28106 | 7 9 | 100I | 8600 | 20< | 20I | 24.0 | 7.4 | 1.4 | 0.071 |
| 80 09 03 1400 | | | .3 | 1 | 28119 | 7 | 4800C | 59500 | 2400 | 3400 | 22.0 | 6.2 | 2.2 | 0.120 |
| 80 10 02 1430 | | | .3 | 1 | 28132 | 6 | 1800 | 9100 | 100< | 100< | 15.0 | 10.0 | 3.2 | 0.058 |
| 80 11 14 1300 | | | .3 | 1 | 28150 | 6 | 1500 | 10000 | 130 | 30I | 4.0 | 9.4 | 0.4 | 0.032 |
| 80 12 02 1345 | | | .3 | 1 | 28163 | 4 | 15000> | 15000> | 840 | 1500 | 1.0 | 6.2 | 1.4 | 0.115 |
| MAXIMUM | | | | | | | 49000> | 59500> | 2400 | 3400 | 24.0 | 11.8 | 3.2 | 0.120 |
| ARITH MEAN | | | | | | | 7206G | 15330G | 333L | 540L | 11.0 | 8.0 | 1.8 | 0.077 |
| GEOM MEAN | | | | | | | 2611G | 9735G | 83L | 84L | 5.8 | 7.9 | 1.5 | 0.071 |
| MINIMUM | | | | | | | 100 | 1260 | 10< | 10< | 1.0 | 6.2 | 0.4 | 0.032 |
| STD DEV | | | | | | | 13745G | 16664G | 690L | 1016L | 9.4 | 1.7 | 1.0 | 0.028 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 08 1415 | | | .3 | 1 | 0.009 | 0.062 | 0.580 | 0.014 | 3.090 | 3.166 | 0.518 | 3.684 | 588.0 | 52.0 |
| 80 02 04 1400 | | | .3 | 1 | 0.003 | 0.138 | 0.660 | 0.010 | 1.230 | 1.378 | 0.522 | 1.900 | 439.0 | 10.0 |
| 80 03 05 1415 | | | .3 | 1 | 0.002 | 0.172 | 1.090 | 0.006 | 0.509 | 0.687 | 0.918 | 1.605 | 443.0 | 6.0 |
| 80 04 09 1315 | | | .3 | 1 | 0.016 | 0.078 | 0.800 | 0.021 | 1.880 | 1.979 | 0.722 | 2.701 | 423.0 | 46.0 |
| 80 05 08 1300 | | | .3 | 1 | 0.004 | 0.028 | 0.790 | 0.019 | 0.651 | 0.698 | 0.762 | 1.460 | 427.0 | 26.0 |
| 80 06 06 1100 | | | .3 | 1 | 0.001 | 0.010 | 0.800 | 0.003 | 0.005< | 0.018 | 0.790 | 0.808 | 366.0 | 16.0 |
| 80 07 03 1300 | | | .3 | 1 | 0.007 | 0.036 | 0.68 | 0.004 | 0.011 | 0.051 | 0.644 | 0.695 | 360 | 6 |
| 80 08 12 1345 | | | .3 | 1 | 0.018 | 0.021 | 0.830 | 0.019 | 0.033 | 0.073 | 0.809 | 0.882 | 441.0 | 5.0 |
| 80 09 03 1400 | | | .3 | 1 | 0.033 | 0.106 | 0.950 | 0.028 | 0.302 | 0.436 | 0.844 | 1.280 | 368.0 | 26.0 |
| 80 10 02 1430 | | | .3 | 1 | 0.005 | 0.138 | 0.98 | 0.017 | 0.248 | 0.403 | 0.842 | 1.245 | 425 | 21 |
| 80 11 14 1300 | | | .3 | 1 | 0.010 | 0.064 | 0.50 | 0.005 | 0.390 | 0.459 | 0.436 | 0.895 | 405 | 7 |
| 80 12 02 1345 | | | .3 | 1 | 0.014 | 0.020 | 0.820 | 0.015 | 1.700 | 1.735 | 0.800 | 2.535 | 465.0 | 13.0 |
| MAXIMUM | | | | | 0.033 | 0.172 | 1.090 | 0.028 | 3.090 | 3.166 | 0.918 | 3.684 | 588.0 | 52.0 |
| ARITH MEAN | | | | | 0.010 | 0.073 | 0.79 | 0.013 | 0.837L | 0.924 | 0.717 | 1.641 | 429 | 19 |
| GEOM MEAN | | | | | 0.007 | 0.053 | 0.77 | 0.011 | 0.278L | 0.429 | 0.700 | 1.440 | 425 | 14 |
| MINIMUM | | | | | 0.001 | 0.010 | 0.50 | 0.003 | 0.005< | 0.018 | 0.436 | 0.695 | 360 | 5.0 |
| STD DEV | | | | | 0.009 | 0.064 | 0.16 | 0.008 | 0.956L | 0.960 | 0.153 | 0.915 | 60 | 15 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 08 1415 | | | .3 | 1 | 536.0 | 780.0 | 17.00 | 38.000 | 7.87 | 7.8 |
| 80 02 04 1400 | | | .3 | 1 | 429.0 | 690.0 | 5.00 | 28.500 | 7.60 | 7.6 |
| 80 03 05 1415 | | | .3 | 1 | 437.0 | 720.0 | 6.50 | 60.000 | 7.59 | 8.2 |
| 80 04 09 1315 | | | .3 | 1 | 377.0 | 580.0 | 17.00 | 33.500 | 7.84 | |
| 80 05 08 1300 | | | .3 | 1 | 401.0 | 600.0 | 15.00 | 29.000 | 8.14 | 7.9 |
| 80 06 06 1100 | | | .3 | 1 | 350.0 | 600.0 | 6.80 | 49.000 | 8.22 | 7.9 |
| 80 07 03 1300 | | | .3 | 1 | 354 | 550 | | 36.5 | 8.17 | 8.3 |
| 80 08 12 1345 | | | .3 | 1 | 436.0 | 650.0 | | 38.500 | 7.87 | 8.0 |
| 80 09 03 1400 | | | .3 | 1 | 342.0 | 540.0 | | 26.500 | 7.78 | 8.1 |
| 80 10 02 1430 | | | .3 | 1 | 404 | 680 | | 39.5 | 8.03 | 8.5 |
| 80 11 14 1300 | | | .3 | 1 | 398 | 650 | | 36.5 | | 8.3 |
| 80 12 02 1345 | | | .3 | 1 | 452.0 | 720.0 | | 36.500 | 7.69 | |
| MAXIMUM | | | | | 536.0 | 780.0 | 17.00 | 60.000 | 8.22 | 8.5 |
| ARITH MEAN | | | | | 409 | 646 | 11.22 | 37.6 | 7.89 | 8.1 |
| GEOM MEAN | | | | | 406 | 642 | 9.93 | 36.7 | 7.89 | 8.1 |
| MINIMUM | | | | | 342.0 | 540.0 | 5.00 | 26.500 | 7.59 | 7.6 |
| STD DEV | | | | | 64 | 74 | 5.89 | 9.2 | 0.22 | 0.3 |
| NO OF SAMPLES | | | | | 12 | 12 | 6 | 12 | 11 | 10 |

SAMPLE INFORMATION SYSTEM — 1980 WATER QUALITY DATA — DATE OF REPORT: 29 AUG 81

| | | |
|---|---|---|
| B.O.W./ SITE: **MASKINONGE JERSEY RIVER**<br>SAMPLE POINT: **YORK COUNTY ROAD 12 SOUTH OF KESWICK**<br>STATION TYPE: **RIVER** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE HURON**<br>TERM STREAM: **SEVERN RIVER** | STATION ID: **03-0077-018-02**<br>STORET CODE: **02**<br>**002**<br>**2720** |
| LAT LONG: | U T M: **17 0622600.0 4898150.0 4** | REGION: **03** DISTANCE: **119.732** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 08 1200 | | | .3 | 1 | 28006 | 4 | 1420 | 1700 | 4 | 8 | 1.0 | 10.2 | 0.8 | 0.038 |
| 80 02 04 1200 | | | .3 | 1 | 28019 | 4 | 500 | 640 | 4 | 4< | 1.0 | 11.6 | 1.0 | 0.093 |
| 80 03 05 1230 | | | .3 | 1 | 28032 | 4 | 480 | 1180 | 20 | 4< | 1.0 | 9.6 | 1.6 | 0.084 |
| 80 04 09 1130 | | | .3 | 1 | 28045 | 6 | 12900 | 16000 | 68 | 600> | 10.0 | 7.6 | 0.8 | 0.083 |
| 80 05 08 1100 | | | .3 | 1 | 28058 | 6 | 4200 | 4400 | 20I | 20< | 13.0 | 8.3 | 2.8 | 0.089 |
| 80 05 23 | | | .3 | 1 | 28066 | 8 | | | | | | | | |
| 80 06 06 0930 | | | .3 | 1 | 28076 | 6 | 1700 | 14000 | 20I | 500 | 17.0 | 8.2 | 2.6 | 0.084 |
| 80 07 03 1115 | | | .3 | 1 | 28089 | 6 | 1600 | 18000 | 40 | 30I | 21.0 | 8.0 | 2.8 | 0.093 |
| 80 08 12 1145 | | | .3 | 1 | 28102 | 9 | 1700 | 21000 | 80I | 260 | 24.0 | 8.1 | 2.2 | 0.118 |
| 80 09 03 1230 | | | .3 | 1 | 28115 | 6 5 | 28000 | 130000 | 1200 | 3300 | 21.0 | 5.4 | 2.2 | 0.130 |
| 80 10 02 1245 | | | .3 | 1 | 28128 | 6 | 1600 | 7300 | 100I | 100I | 16.0 | 9.6 | 1.4 | 0.048 |
| 80 10 27 | | | .3 | 1 | 28136 | 8 | | | | | | | | |
| 80 11 14 1100 | | | .3 | 1 | 28146 | 6 | 200I | 7000 | 20< | 80I | 3.0 | 10.0 | 0.4 | 0.025 |
| 80 12 02 1215 | | | .3 | 1 | 28159 | 4 | 15000> | 15000> | 20I | 400 | 1.0 | 6.2 | 0.5 | 0.050 |
| MAXIMUM | | | | | | | 28000> | 130000> | 1200 | 3300> | 24.0 | 11.6 | 2.8 | 0.130 |
| ARITH MEAN | | | | | | | 5776G | 19666G | 133L | 442G | 10.7 | 8.6 | 1.6 | 0.078 |
| GEOM MEAN | | | | | | | 2179G | 7760G | 32L | 79G | 5.7 | 8.4 | 1.3 | 0.071 |
| MINIMUM | | | | | | | 200 | 640 | 4< | 4< | 1.0 | 5.4 | 0.4 | 0.025 |
| STD DEV | | | | | | | 8661G | 36443G | 337L | 924G | 9.0 | 1.7 | 0.9 | 0.032 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 08 1200 | | | .3 | 1 | 0.024 | 0.088 | 0.720 | 0.012 | 1.880 | 1.980 | 0.632 | 2.612 | 481.0 | 14.0 |
| 80 02 04 1200 | | | .3 | 1 | 0.021 | 0.151 | 0.920 | 0.008 | 0.348 | 0.507 | 0.769 | 1.276 | 354.0 | 14.0 |
| 80 03 05 1230 | | | .3 | 1 | 0.009 | 0.100 | 0.960 | 0.005 | 0.200 | 0.305 | 0.860 | 1.165 | 335.0 | 5.0 |
| 80 04 09 1130 | | | .3 | 1 | 0.020 | 0.072 | 1.100 | 0.014 | 0.746 | 0.832 | 1.028 | 1.860 | 446.0 | 13.0 |
| 80 05 08 1100 | | | .3 | 1 | 0.001 | 0.050 | 1.180 | 0.008 | 0.057 | 0.115 | 1.130 | 1.245 | 464.0 | 14.0 |
| 80 06 06 0930 | | | .3 | 1 | 0.002 | 0.004 | 1.050 | 0.002 | 0.005< | 0.011 | 1.046 | 1.057 | 354.0 | 10.0 |
| 80 07 03 1115 | | | .3 | 1 | 0.026 | 0.048 | 1.09 | 0.019 | 0.910 | 0.977 | 1.042 | 2.019 | 384 | 6 |
| 80 08 12 1145 | | | .3 | 1 | 0.055 | 0.006 | 1.300 | 0.006 | 0.009 | 0.021 | 1.294 | 1.315 | 420.0 | 3.0 |
| 80 09 03 1230 | | | .3 | 1 | 0.074 | 0.076 | 1.320 | 0.028 | 0.332 | 0.436 | 1.244 | 1.680 | 457.0 | 7.0 |
| 80 10 02 1245 | | | .3 | 1 | 0.029 | 0.122 | 1.25 | 0.013 | 0.179 | 0.314 | 1.128 | 1.442 | 480 | 4 |
| 80 11 14 1100 | | | .3 | 1 | 0.011 | 0.050 | 0.82 | 0.007 | 0.323 | 0.380 | 0.770 | 1.150 | 522 | 2 |
| 80 12 02 1215 | | | .3 | 1 | 0.020 | 0.034 | 0.850 | 0.010 | 0.820 | 0.864 | 0.816 | 1.680 | 461.0 | 3.0 |
| MAXIMUM | | | | | 0.074 | 0.151 | 1.320 | 0.028 | 1.880 | 1.980 | 1.294 | 2.612 | 522 | 14.0 |
| ARITH MEAN | | | | | 0.024 | 0.067 | 1.04 | 0.011 | 0.484L | 0.562 | 0.980 | 1.542 | 429 | 7 |
| GEOM MEAN | | | | | 0.015 | 0.046 | 1.02 | 0.009 | 0.198L | 0.288 | 0.959 | 1.488 | 425 | 6 |
| MINIMUM | | | | | 0.001 | 0.004 | 0.720 | 0.002 | 0.005< | 0.011 | 0.632 | 1.057 | 335.0 | 2 |
| STD DEV | | | | | 0.021 | 0.044 | 0.19 | 0.007 | 0.539L | 0.550 | 0.208 | 0.454 | 59 | 4 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH | ASUT | HGUT | ALUT | CRUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU |
| 80 01 08 1200 | | | .3 | 1 | 467.0 | 670.0 | 50.000 | 7.76 | 7.6 | | 0.050 | | | |
| 80 02 04 1200 | | | .3 | 1 | | 540.0 | 35.500 | 7.76 | 7.6 | | | | | |
| 80 03 05 1230 | | | .3 | 1 | | 540.0 | 39.500 | 7.72 | 8.0 | | | | | |
| 80 04 09 1130 | | | .3 | 1 | | 640.0 | 46.000 | 7.92 | | | 0.020< | | | |
| 80 05 08 1100 | | | .3 | 1 | | 650.0 | 51.000 | 7.97 | 7.9 | | 0.020< | | | |
| 80 05 23 | | | .3 | 1 | | | | | | 0.001< | | 0.180 | 0.030 | 0.010< |
| 80 06 06 0930 | | | .3 | 1 | 344.0 | 550.0 | 37.500 | 8.30 | 8.2 | | 0.050< | | | |
| 80 07 03 1115 | | | .3 | 1 | 378 | 550 | 42.0 | 7.91 | 8.1 | | 0.02 | | | |
| 80 08 12 1145 | | | .3 | 1 | 417.0 | 600.0 | 41.500 | 7.91 | 8.0 | | | | | |
| 80 09 03 1230 | | | .3 | 1 | 450.0 | 670.0 | 46.500 | 7.76 | 8.1 | | 0.030< | | | |
| 80 10 02 1245 | | | .3 | 1 | 476 | 730 | 52.0 | 8.06 | 8.3 | | 0.03 < | | | |
| 80 10 27 | | | .3 | 1 | | | | | | 0.001< | | 0.280 | 0.002< | 0.001< |
| 80 11 14 1100 | | | .3 | 1 | | 800 | 53 | | 7.6 | | 0.05 | | | |
| 80 12 02 1215 | | | .3 | 1 | 458.0 | 700.0 | 45.000 | 7.60 | | | 0.04 < | | | |
| MAXIMUM | | | | | 476 | 800 | 53 | 8.30 | 8.3 | 0.001 | 0.05 | 0.280 | 0.030 | 0.010 |
| ARITH MEAN | | | | | 427 | 636 | 44 | 7.88 | 7.9 | 0.001L | 0.03 L | 0.230 | 0.016L | 0.006L |
| GEOM MEAN | | | | | 424 | 631 | 44 | 7.88 | 7.9 | 0.001L | 0.03 L | 0.224 | 0.008L | 0.003L |
| MINIMUM | | | | | 344.0 | 540.0 | 35.500 | 7.60 | 7.6 | 0.001< | 0.020< | 0.180 | 0.002< | 0.001< |
| STD DEV | | | | | 49 | 83 | 6 | 0.19 | 0.3 | 0.000L | 0.01 L | 0.071 | 0.020L | 0.006L |
| NO OF SAMPLES | | | | | 7 | 12 | 12 | 11 | 10 | 2 | 9 | 2 | 2 | 2 |

| TEST-NAME: | | | | | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 05 23 | | | .3 | 1 | 0.050 | 0.005 < | 0.010< | 0.020< | 0.020< |
| 80 10 27 | | | .3 | 1 | 0.003< | 0.0002< | 0.006 | 0.002< | 0.002< |
| MAXIMUM | | | | | 0.050 | 0.005 | 0.010 | 0.020 | 0.020 |
| ARITH MEAN | | | | | 0.026L | 0.002 L | 0.008L | 0.011L | 0.011L |
| GEOM MEAN | | | | | 0.012L | 0.001 L | 0.008L | 0.006L | 0.006L |
| MINIMUM | | | | | 0.003< | 0.0002< | 0.006< | 0.002< | 0.002< |
| STD DEV | | | | | 0.033L | 0.003 L | 0.003L | 0.013L | 0.013L |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **BLACK RIVER**
SAMPLE POINT: **HIGHWAY 40 BRIDGE BALDWIN**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SEVERN RIVER**

STATION ID: **03-0077-019-02**
STORET CODE: **02**
**002**
**2720**

LAT:
LONG:
U T M: **17 0632150.0 4902025.0 4**
REGION: **03**
DISTANCE **114.421**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 08 1100 | | .3 | 1 | 28004 | 4 | 60I | 640 | 4 | 4< | 1.0 | 11.8 | 0.4 | 0.038 |
| 80 02 04 1100 | | .3 | 1 | 28017 | 4 | 320 | 430 | 4< | 4< | 1.0 | 11.8 | 0.2 | 0.030 |
| 80 03 05 1115 | | .3 | 1 | 28030 | 4 | 140 | 190 | 4< | 4< | 1.0 | 11.4 | 0.6 | 0.029 |
| 80 04 09 1030 | | .3 | 1 | 28043 | 6 | 480C | 4600 | 4 | 8 | 10.0 | 8.6 | 0.6 | 0.036 |
| 80 05 08 1020 | | .3 | 1 | 28056 | 6 | 860 | 4100 | 32 | 32 | 11.0 | 8.5 | 1.6 | 0.054 |
| 80 06 06 0830 | | .3 | 1 | 28074 | 6 | 280C | 7000 | 24 | 48 | 17.0 | 8.8 | 2.0 | 0.055 |
| 80 07 03 1015 | | .3 | 1 | 28087 | 6 | 360C | 10000 | 32 | 36 | 20.0 | 8.4 | 1.4 | 0.062 |
| 80 08 12 1045 | | .3 | 1 | 28100 | 6 | 300I | 19000 | 40I | 240 | 24.0 | 7.2 | 1.2 | 0.105 |
| 80 09 03 1100 | | .3 | 1 | 28113 | 6 9 | 700I | 14000 | 140 | 160 | 22.0 | 7.2 | 1.6 | 0.052 |
| 80 10 02 1130 | | .3 | 1 | 28126 | 6 | 520C | 6200 | 30I | 40I | 15.0 | 10.8 | 1.2 | 0.022 |
| 80 11 14 1015 | | .3 | 1 | 28144 | 6 | 240 | 4800 | 10I | 10I | 3.0 | 10.0 | 0.2 | 0.016 |
| 80 12 02 1115 | | .3 | 1 | 28157 | 4 | 2500 | 16000 | 110 | 220 | 1.0 | 10.8 | 0.4 | 0.028 |
| MAXIMUM | | | | | | **2600** | **19000** | **140** | **240** | **24.0** | **11.8** | **2.0** | **0.106** |
| ARITH MEAN | | | | | | **563** | **7247** | **36L** | **67L** | **10.5** | **9.6** | **0.9** | **0.044** |
| GEOM MEAN | | | | | | **373** | **3789** | **18L** | **26L** | **5.6** | **9.5** | **0.7** | **0.039** |
| MINIMUM | | | | | | **60** | **190** | **4<** | **4<** | **1.0** | **7.2** | **0.2** | **0.016** |
| STD DEV | | | | | | **660** | **6266** | **44L** | **87L** | **9.0** | **1.7** | **0.6** | **0.024** |
| NO OF SAMPLES | | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 08 1100 | | .3 | 1 | 0.008 | 0.102 | 0.72 | 0.012 | 0.878 | 0.992 | 0.618 | 1.610 | 394.0 | 5.0 |
| 80 02 04 1100 | | .3 | 1 | 0.012 | 0.132 | 0.480 | 0.013 | 0.847 | 0.992 | 0.348 | 1.340 | 327.0 | 5.0 |
| 80 03 05 1115 | | .3 | 1 | 0.009 | 0.122 | 0.390 | 0.010 | 0.990 | 1.122 | 0.268 | 1.390 | 301.0 | 3.0 |
| 80 04 09 1030 | | .3 | 1 | 0.003 | 0.030 | 0.700 | 0.006 | 0.199 | 0.235 | 0.670 | 0.905 | 275.0 | 5.0 |
| 80 05 08 1020 | | .3 | 1 | 0.013 | 0.068 | 0.830 | 0.007 | 0.028 | 0.103 | 0.762 | 0.865 | 310.0 | 4.0 |
| 80 06 06 0830 | | .3 | 1 | 0.005 | 0.060 | 0.750 | 0.011 | 0.060 | 0.131 | 0.690 | 0.821 | 241.0 | 4.0 |
| 80 07 03 1015 | | .3 | 1 | 0.030 | 0.074 | 0.92 | 0.013 | 0.072 | 0.159 | 0.846 | 1.005 | 285 | 2 |
| 80 08 12 1045 | | .3 | 1 | 0.022 | 0.037 | 0.680 | 0.007 | 0.018 | 0.062 | 0.643 | 0.705 | 324.0 | 3.0 |
| 80 09 03 1100 | | .3 | 1 | 0.028 | 0.360 | 0.850 | 0.020 | 1.880 | 2.260 | 0.490 | 2.750 | 313.0 | 3.0 |
| 80 10 02 1130 | | .3 | 1 | 0.013 | 0.060 | 0.66 | 0.010 | 0.065 | 0.135 | 0.600 | 0.735 | 308 | 3 |
| 80 11 14 1015 | | .3 | 1 | 0.008 | 0.064 | 0.53 | 0.005 | 0.285 | 0.354 | 0.466 | 0.820 | 316 | 1 |
| 80 12 02 1115 | | .3 | 1 | 0.012 | 0.026 | 0.600 | 0.006 | 0.699 | 0.731 | 0.574 | 1.305 | 345.0 | 3.0 |
| MAXIMUM | | | | **0.030** | **0.360** | **0.92** | **0.020** | **1.880** | **2.260** | **0.846** | **2.760** | **394.0** | **5.0** |
| ARITH MEAN | | | | **0.014** | **0.096** | **0.67** | **0.010** | **0.502** | **0.606** | **0.581** | **1.188** | **311** | **3** |
| GEOM MEAN | | | | **0.011** | **0.072** | **0.65** | **0.009** | **0.211** | **0.344** | **0.556** | **1.084** | **309** | **3** |
| MINIMUM | | | | **0.003** | **0.026** | **0.390** | **0.005** | **0.018** | **0.062** | **0.268** | **0.705** | **241.0** | **1** |
| STD DEV | | | | **0.009** | **0.090** | **0.15** | **0.004** | **0.572** | **0.656** | **0.166** | **0.674** | **37** | **1** |
| NO OF SAMPLES | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 08 1100 | | .3 | 1 | 389.0 | 570.0 | 22.500 | 7.77 | 7.6 |
| 80 02 04 1100 | | .3 | 1 | 322.0 | 520.0 | 14.500 | 7.84 | 7.8 |
| 80 03 05 1115 | | .3 | 1 | 298.0 | 485.0 | 13.000 | 7.79 | 7.8 |
| 80 04 09 1030 | | .3 | 1 | | 415.0 | 19.000 | 7.96 | |
| 80 05 08 1020 | | .3 | 1 | 306.0 | 450.0 | 18.500 | 8.14 | 7.7 |
| 80 06 06 0830 | | .3 | 1 | | 365.0 | 11.500 | 8.46 | 8.2 |
| 80 07 03 1015 | | .3 | 1 | | 435 | 14.0 | 7.98 | 8.2 |
| 80 08 12 1045 | | .3 | 1 | | 465.0 | 14.500 | 7.95 | 8.0 |
| 80 09 03 1100 | | .3 | 1 | | 450.0 | 16.000 | 7.76 | 7.5 |
| 80 10 02 1130 | | .3 | 1 | | 480 | 17.5 | 8.23 | 8.3 |
| 80 11 14 1015 | | .3 | 1 | | 500 | 20.0 | | 8.1 |
| 80 12 02 1115 | | .3 | 1 | | 540.0 | 25.000 | 7.68 | |
| MAXIMUM | | | | **389.0** | **570.0** | **25.000** | **8.46** | **8.3** |
| ARITH MEAN | | | | **328.7** | **472** | **17.1** | **7.96** | **7.9** |
| GEOM MEAN | | | | **326.9** | **469** | **16.7** | **7.96** | **7.9** |
| MINIMUM | | | | **298.0** | **365.0** | **11.500** | **7.68** | **7.5** |
| STD DEV | | | | **41.4** | **56** | **4.0** | **0.24** | **0.3** |
| NO OF SAMPLES | | | | **4** | **12** | **12** | **11** | **10** |

B.O.W./SITE: **MOUNT ALBERT CREEK**
SAMPLE POINT: **2ND.CONC.N.OF MT.ALBERT E.OF HWY NO 48**
STATION TYPE: **RIVER FLOW GAUGE MOE 02EC104**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SEVERN RIVER**

STATION ID: **03-0077-021-02**
STORET CODE: **02**
**002**
**2720**

LAT: LONG: U T M: **17 0633700.0 4891500.0 4** REGION: **03** DISTANCE: **127.930**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 08 1030 | | | .3 | 1 | 28003 | 4 | 660 | 1400 | 20I | 120 | 1.0 | 11.8 | 1.8 | 0.061 |
| 80 02 04 1030 | | | .3 | 1 | 28016 | 4 | 580 | 780 | 10< | 30I | 1.0 | 3.0 | 0.8 | 0.115 |
| 80 03 05 1100 | | | .3 | 1 | 28029 | 4 | 340 | 1840 | 36 | 116 | 1.0 | 11.8 | 1.2 | 0.080 |
| 80 04 09 1015 | | | .3 | 1 | 28042 | 3 | 8700C | 35000 | 544 | 600> | 6.0 | 5.0 | 2.2 | 0.275 |
| 80 05 08 1006 | | | .3 | 1 | 28055 | 6 | 2100C | 3400 | 270 | 60I | 8.0 | 8.2 | 1.2 | 0.045 |
| 80 06 06 0815 | | | .3 | 1 | 28073 | 6 | 340 | 3760 | 160 | 420 | 13.0 | 8.0 | 1.4 | 0.072 |
| 80 07 03 1000 | | | .3 | 1 | 28086 | 6 | 760C | 13200 | 180 | 350 | 16.0 | 10.0 | 1.6 | 0.088 |
| 80 08 12 1030 | | | .3 | 1 | 28099 | 5 | 2000 | 39000 | 440 | 580 | 20.0 | 6.0 | 1.4 | 0.086 |
| 80 09 03 1030 | | | .3 | 1 | 28112 | 6 | 80000C | 345000 | 65000 | 150000> | 18.0 | 7.4 | 2.2 | 0.132 |
| 80 10 02 1100 | | | .3 | 1 | 28125 | 6 | | | 1000< | 1000I | 15.0 | 9.2 | 2.1 | 0.052 |
| 80 11 14 1000 | | | .3 | 1 | 28143 | 6 | 4000I | 32000 | 500I | 4400 | 4.0 | 8.4 | 0.8 | 0.080 |
| 80 12 02 1100 | | | .3 | 1 | 28156 | 4 | 1000 | 29000 | 20I | 100I | 1.0 | 9.8 | 0.4 | 0.037 |
| MAXIMUM | | | | | | | 80000 | 346000 | 65000 | 150000> | 20.0 | 11.8 | 2.2 | 0.275 |
| ARITH MEAN | | | | | | | 9135 | 45853 | 6682L | 13148G | 8.7 | 8.2 | 1.4 | 0.094 |
| GEOM MEAN | | | | | | | 1721 | 10364 | 213L | 468G | 4.9 | 7.7 | 1.3 | 0.081 |
| MINIMUM | | | | | | | 340 | 780 | 10< | 30 | 1.0 | 3.0 | 0.4 | 0.037 |
| STD DEV | | | | | | | 23832 | 100357 | 18683L | 43114G | 7.3 | 2.6 | 0.6 | 0.063 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 08 1030 | | | .3 | 1 | 0.015 | 0.078 | 0.550 | 0.014 | 1.190 | 1.282 | 0.472 | 1.754 | 337.0 | 15.0 |
| 80 02 04 1030 | | | .3 | 1 | 0.024 | 0.111 | 1.060 | 0.011 | 1.130 | 1.252 | 0.949 | 2.201 | 339.0 | 52.0 |
| 80 03 05 1100 | | | .3 | 1 | 0.011 | 0.124 | 0.560 | 0.010 | 1.190 | 1.324 | 0.436 | 1.760 | 299.0 | 24.0 |
| 80 04 09 1015 | | | .3 | 1 | 0.039 | 0.280 | 1.700 | 0.026 | 1.020 | 1.326 | 1.420 | 2.746 | 390.0 | 85.0 |
| 80 05 08 1006 | | | .3 | 1 | 0.008 | 0.050 | 0.510 | 0.013 | 0.447 | 0.510 | 0.460 | 0.970 | 287.0 | 4.0 |
| 80 06 06 0815 | | | .3 | 1 | 0.017 | 0.210 | 0.570 | 0.035 | | | 0.360 | | 265.0 | 11.0 |
| 80 07 03 1000 | | | .3 | 1 | 0.035 | 0.090 | 0.71 | 0.036 | 0.464 | 0.590 | 0.620 | 1.210 | 302.0 | 9 |
| 80 08 12 1030 | | | .3 | 1 | 0.020 | 0.058 | 0.560 | 0.034 | 0.416 | 0.508 | 0.502 | 1.010 | 291.0 | 11.0 |
| 80 09 03 1030 | | | .3 | 1 | 0.044 | | 0.820 | 0.038 | 2.260 | | | 3.118 | 343.0 | 26.0 |
| 80 10 02 1100 | | | .3 | 1 | 0.028 | 0.074 | 0.55 | 0.048 | 0.48 | 0.602 | 0.476 | 1.078 | 287 | 3 |
| 80 11 14 1000 | | | .3 | 1 | 0.025 | 0.088 | 0.52 | 0.013 | 0.937 | 1.038 | 0.432 | 1.470 | 336 | 28 |
| 80 12 02 1100 | | | .3 | 1 | 0.014 | 0.096 | 0.510 | 0.007 | 0.803 | 0.906 | 0.414 | 1.320 | 326.0 | 6.0 |
| MAXIMUM | | | | | 0.044 | 0.280 | 1.700 | 0.048 | 2.260 | 1.326 | 1.420 | 3.118 | 390.0 | 85.0 |
| ARITH MEAN | | | | | 0.023 | 0.114 | 0.71 | 0.024 | 0.94 | 0.934 | 0.596 | 1.694 | 316 | 22 |
| GEOM MEAN | | | | | 0.021 | 0.100 | 0.66 | 0.020 | 0.82 | 0.868 | 0.543 | 1.671 | 315 | 14 |
| MINIMUM | | | | | 0.008 | 0.050 | 0.510 | 0.007 | 0.416 | 0.508 | 0.360 | 0.970 | 265.0 | 3 |
| STD DEV | | | | | 0.011 | 0.070 | 0.36 | 0.014 | 0.63 | 0.354 | 0.317 | 0.721 | 34 | 24 |
| NO OF SAMPLES | | | | | 12 | 11 | 12 | 12 | 11 | 10 | 11 | 11 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 08 1030 | | | .3 | 1 | 322.0 | 480.0 | 15.000 | 7.95 | 7.5 |
| 80 02 04 1030 | | | .3 | 1 | 287.0 | 465.0 | 12.000 | 7.70 | 7.8 |
| 80 03 05 1100 | | | .3 | 1 | 275.0 | 450.0 | 14.500 | 7.95 | 7.8 |
| 80 04 09 1015 | | | .3 | 1 | 305.0 | 465.0 | 25.000 | 7.68 | |
| 80 05 08 1006 | | | .3 | 1 | | 435.0 | 15.500 | 8.13 | 7.8 |
| 80 06 06 0815 | | | .3 | 1 | | 390.0 | 12.000 | 8.18 | 8.0 |
| 80 07 03 1000 | | | .3 | 1 | | 455 | 15.0 | 7.98 | 8.1 |
| 80 08 12 1030 | | | .3 | 1 | | 430.0 | 14.000 | 8.04 | 8.0 |
| 80 09 03 1030 | | | .3 | 1 | | 480.0 | 19.000 | 7.88 | 7.5 |
| 80 10 02 1100 | | | .3 | 1 | | 455 | 15.0 | 7.99 | 7.1 |
| 80 11 14 1000 | | | .3 | 1 | | 495 | 20.0 | | 7.5 |
| 80 12 02 1100 | | | .3 | 1 | | 500.0 | 19.500 | 7.72 | |
| MAXIMUM | | | | | 322.0 | 500.0 | 25.000 | 8.18 | 8.1 |
| ARITH MEAN | | | | | 297.2 | 468 | 16.3 | 7.93 | 7.7 |
| GEOM MEAN | | | | | 296.7 | 467 | 16.0 | 7.93 | 7.7 |
| MINIMUM | | | | | 275.0 | 390.0 | 12.000 | 7.68 | 7.1 |
| STD DEV | | | | | 20.6 | 30 | 3.7 | 0.17 | 0.3 |
| NO OF SAMPLES | | | | | 4 | 12 | 12 | 11 | 10 |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **LAKE SIMCOE OUTLET**
SAMPLE POINT: **HIGHWAY 12 ATHERLEY**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SEVERN RIVER**

STATION ID: **03-0077-022-02**
STORET CODE: **02**
**002**
**2720**

LAT: LONG: U T M: **17 0629400.0 4940050.0 4** REGION: **03** DISTANCE: **71.936**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 15 1600 | | | .3 | 1 | 22050 | 6 | 10< | 10 | 4< | 16 | 1.0 | 12.3 | 0.2 | 0.016 |
| 80 02 19 1545 | | | .3 | 1 | 22122 | 4 | 4< | 8 | 2< | 8 | 0.0 | 12.4 | 0.2 | 0.013 |
| 80 03 18 1630 | | | .3 | 1 | 22169 | 4 | | | | | 0.0 | 11.8 | 1.0 | 0.021 |
| 80 04 15 1600 | | | .3 | 1 | 22221 | 6 | 20 | 200 | 4 | 4< | 1.1 | 12.4 | 0.6 | 0.009 |
| 80 05 22 1630 | | | .3 | 1 | 22271 | 6 | 10< | 40 | 4< | 100 | 15.5 | 10.6 | 0.8 | 0.017 |
| 80 06 24 1545 | | | .3 | 1 | 22321 | 6 | 4 | 132 | 4< | 4< | 21.0 | 9.0 | 0.6 | 0.012 |
| 80 07 22 1630 | | | .3 | 1 | 22361 | 6 | | | | | 22.5 | 10.8 | 0.4 | 0.010 |
| 80 08 13 1645 | | | .3 | 1 | 22421 | 6 | 10I | 200 | 4< | 12 | 21.8 | 8.2 | 0.8 | 0.013 |
| 80 09 24 1700 | | | .3 | 1 | 22471 | 6 | 10< | 1400 | 10< | 10< | 15.3 | 9.8 | 0.9 | 0.014 |
| 80 10 22 1600 | | | .3 | 1 | 22521 | 6 | 40I | 170 | 4< | 4< | 8.2 | 11.4 | | |
| 80 11 25 0900 | | | .3 | 1 | 22553 | 6 | 340 | 490 | 8 | 4 | 1.2 | 11.2 | 1.0 | 0.063 |
| 80 12 17 0930 | | | .3 | 1 | 22610 | 8 | 40I | 220 | 4 | 4< | | | 1.2 | 0.006 |
| **MAXIMUM** | | | | | | | **340** | **1400** | **10** | **100** | **22.5** | **12.4** | **1.2** | **0.063** |
| **ARITH MEAN** | | | | | | | **48L** | **287** | **5L** | **17L** | **9.8** | **10.9** | **0.7** | **0.018** |
| **GEOM MEAN** | | | | | | | **17L** | **118** | **4L** | **8L** | **4.7** | **10.8** | **0.6** | **0.014** |
| **MINIMUM** | | | | | | | **4<** | **8** | **2<** | **4<** | **0.0** | **8.2** | **0.2** | **0.006** |
| **STD DEV** | | | | | | | **103L** | **415** | **2L** | **30L** | **9.6** | **1.4** | **0.3** | **0.016** |
| **NO OF SAMPLES** | | | | | | | **10** | **10** | **10** | **10** | **11** | **11** | **11** | **11** |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 15 1600 | | | .3 | 1 | 0.002 | 0.008 | 0.340 | 0.001 | 0.004 | 0.013 | 0.332 | 0.345 | 222.0 | 1.0 |
| 80 02 19 1545 | | | .3 | 1 | 0.004 | 0.012 | 0.350 | 0.004 | 0.005 | 0.021 | 0.338 | 0.359 | 168.0 | 2.0 |
| 80 03 18 1630 | | | .3 | 1 | 0.003 | 0.028 | 0.430 | 0.002 | 0.028 | 0.058 | 0.402 | 0.460 | 230.0 | 6.0 |
| 80 04 15 1600 | | | .3 | 1 | 0.001< | 0.020 | 0.290 | 0.002 | 0.097 | 0.119 | 0.270 | 0.389 | 193.0 | 1.0 |
| 80 05 22 1630 | | | .3 | 1 | 0.001 | 0.006 | 0.370 | 0.001 | 0.005< | 0.012 | 0.364 | 0.376 | 218.0 | 3.0 |
| 80 06 24 1545 | | | .3 | 1 | 0.001< | 0.012 | 0.360 | 0.001 | 0.004 | 0.017 | 0.348 | 0.365 | 212.00 | 1.00 |
| 80 07 22 1630 | | | .3 | 1 | 0.001 | 0.010 | 0.340 | 0.002 | 0.003 | 0.015 | 0.330 | 0.345 | 213.0 | 2.0 |
| 80 08 13 1645 | | | .3 | 1 | 0.002 | 0.012 | 0.360 | 0.001 | 0.005< | 0.018 | 0.348 | 0.366 | 210.0 | 2.0 |
| 80 09 24 1700 | | | .3 | 1 | 0.001 | 0.048 | 0.42 | 0.001< | 0.010 | 0.059 | 0.372 | 0.431 | 201 | 3 |
| 80 11 25 0900 | | | .3 | 1 | 0.020 | 0.044 | 0.450 | 0.001 | 0.005< | 0.050 | 0.406 | 0.456 | 233.0 | 9.0 |
| 80 12 17 0930 | | | .3 | 1 | 0.001 | 0.014 | 0.380 | 0.001< | 0.009 | 0.024 | 0.366 | 0.390 | 230.0 | 2.0 |
| **MAXIMUM** | | | | | **0.020** | **0.048** | **0.460** | **0.004** | **0.097** | **0.119** | **0.406** | **0.460** | **233.0** | **9.0** |
| **ARITH MEAN** | | | | | **0.003L** | **0.019** | **0.37** | **0.002L** | **0.016L** | **0.037** | **0.352** | **0.389** | **211** | **2** |
| **GEOM MEAN** | | | | | **0.002L** | **0.016** | **0.36** | **0.001L** | **0.008L** | **0.028** | **0.350** | **0.387** | **210** | **2** |
| **MINIMUM** | | | | | **0.001<** | **0.006** | **0.290** | **0.001<** | **0.003<** | **0.012** | **0.270** | **0.345** | **168.0** | **1.0** |
| **STD DEV** | | | | | **0.006L** | **0.014** | **0.04** | **0.001L** | **0.028L** | **0.033** | **0.037** | **0.042** | **19** | **2** |
| **NO OF SAMPLES** | | | | | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** |

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | PH | FWPH | PHNOL | HGUT | ALUT | CRUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU |
| 80 01 15 1600 | | | .3 | 1 | 340.0 | 1.10 | 17.000 | 8.29 | 7.7 | 1.000< | 0.020< | | | |
| 80 02 19 1545 | | | .3 | 1 | 255.0 | 1.50 | 18.500 | 8.16 | 7.8 | | | | | |
| 80 03 18 1630 | | | .3 | 1 | 345.0 | 3.30 | 19.000 | 8.27 | 7.7 | 1.000< | | | | |
| 80 04 15 1600 | | | .3 | 1 | 295.0 | 2.10 | 15.500 | 8.29 | 7.7 | 1.000< | 0.020< | | | |
| 80 05 22 1630 | | | .3 | 1 | 330.0 | 1.60 | 16.500 | 8.42 | 7.9 | 1.000< | | 0.030 | 0.020< | 0.010< |
| 80 06 24 1545 | | | .3 | 1 | 325.0 | 17.00 | 1.300 | | | 1.000< | | | | |
| 80 07 22 1630 | | | .3 | 1 | 325.0 | 0.75 | 16.500 | 8.45 | 8.1 | 1.000< | | | | |
| 80 08 13 1645 | | | .3 | 1 | 320.0 | 0.80 | 17.000 | 8.51 | 8.0 | 1.000< | | | | |
| 80 09 24 1700 | | | .3 | 1 | 305 | 1.6 | 17.5 | 8.35 | | | | | | |
| 80 10 22 1600 | | | .3 | 1 | | | | | 8.0 | | | | | |
| 80 11 25 0900 | | | .3 | 1 | 345.0 | 4.00 | 19.000 | 8.13 | 7.4 | 1.000< | | | | |
| 80 12 17 0930 | | | .3 | 1 | 350.0 | 1.50 | 18.000 | 8.18 | | 1.000< | | | | |
| **MAXIMUM** | | | | | **350.0** | **17.00** | **19.000** | **8.51** | **8.1** | **1.000** | **0.020** | **0.030** | **0.020** | **0.010** |
| **ARITH MEAN** | | | | | **321** | **3.2** | **15.9** | **8.30** | **7.8** | **1.000L** | **0.020L** | **0.030** | **0.020L** | **0.010L** |
| **GEOM MEAN** | | | | | **320** | **1.9** | **13.7** | **8.30** | **7.8** | **1.000L** | **0.020L** | | | |
| **MINIMUM** | | | | | **255.0** | **0.75** | **1.300** | **8.13** | **7.4** | **1.000<** | **0.020<** | **0.030** | **0.020<** | **0.010<** |
| **STD DEV** | | | | | **27** | **4.6** | **4.9** | **0.13** | **0.2** | **0.000L** | **0.000L** | | | |
| **NO OF SAMPLES** | | | | | **11** | **11** | **11** | **10** | **9** | **9** | **2** | **1** | **1** | **1** |

| TEST-NAME: | | | | | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 05 22 1630 | | | .3 | 1 | 0.030< | 0.005< | 0.010< | 0.020< | 0.020< |
| **MAXIMUM** | | | | | **0.030** | **0.005** | **0.010** | **0.020** | **0.020** |
| **ARITH MEAN** | | | | | **0.030L** | **0.005L** | **0.010L** | **0.020L** | **0.020L** |
| **GEOM MEAN** | | | | | | | | | |
| **MINIMUM** | | | | | **0.030<** | **0.005<** | **0.010<** | **0.020<** | **0.020<** |
| **STD DEV** | | | | | | | | | |
| **NO OF SAMPLES** | | | | | **1** | **1** | **1** | **1** | **1** |

DATE OF REPORT: 29 AUG 81

1980 WATER QUALITY DATA

SAMPLE INFORMATION SYSTEM

B.O.W./ SITE: **SEVERN RIVER**
SAMPLE POINT: **AT HIGHWAY NO 11 SEVERN BRIDGE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SEVERN RIVER**

STATION ID: **03-0077-023-02**

STORET CODE: **02**
**002**
**2720**

U T M: **17 0631700.0 4959200.0 4**
REGION: **03**
DISTANCE: **53.429**

LAT
LONG

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 15 1500 | | | .3 | 1 | 22049 | 6 | 401 | 190 | 4< | 4 | 2.0 | 12.2 | 0.2 | 0.012 |
| 80 02 19 1445 | | | .3 | 1 | 22121 | 4 | 40 | 280 | 2 | 2< | 0.0 | 12.4 | 0.2 | 0.016 |
| 80 03 18 1455 | | | .3 | 1 | 22168 | 4 | | | | | 0.0 | 11.3 | 0.2 | 0.010 |
| 80 04 15 1450 | | | .3 | 1 | 22220 | 6 3 | 364 | 1280 | 24 | 56 | 4.0 | 12.2 | 0.8 | 0.030 |
| 80 05 22 1520 | | | .3 | 1 | 22270 | 6 | 140 | 1800 | 4< | 600> | 18.1 | 9.0 | 0.8 | 0.015 |
| 80 06 24 1515 | | | .3 | 1 | 22320 | 6 | 180C | 24000 | 12 | 10< | 19.2 | 8.2 | 0.8 | 0.025 |
| 80 07 22 1530 | | | .3 | 1 | 22358 | 6 | | | | | 23.5 | 9.4 | 0.2 | 0.018 |
| 80 08 13 1550 | | | .3 | 1 | 22418 | 6 | 90 | 8400 | 16 | 80 | 22.1 | 7.4 | 0.8 | 0.019 |
| 80 09 24 1520 | | | .3 | 1 | 22470 | 6 | 3500 | 17000 | 240 | 220 | 15.1 | 9.3 | 0.9 | 0.016 |
| 80 10 22 1510 | | | .3 | 1 | 22520 | 6 | 270 | 1500 | 10< | 30I | 7.2 | 11.7 | | |
| 80 11 25 1000 | | | .3 | 1 | 22554 | 6 | 160 | 1200 | 4 | 4< | 2.0 | 11.2 | 1.2 | 0.012 |
| 80 12 17 1015 | | | .3 | 1 | 22611 | 8 | 90I | 1300 | 4< | 4< | | | 1.0 | 0.008 |
| MAXIMUM | | | | | | | 3500 | 24000 | 240 | 600> | 23.5 | 12.4 | 1.2 | 0.030 |
| ARITH MEAN | | | | | | | 487 | 5695 | 32L | 101B | 10.3 | 10.4 | 0.6 | 0.016 |
| GEOM MEAN | | | | | | | 168 | 1992 | 9L | 22B | 5.9 | 10.2 | 0.5 | 0.015 |
| MINIMUM | | | | | | | 40 | 190 | 2< | 2< | 0.0 | 7.4 | 0.2 | 0.008 |
| STD DEV | | | | | | | 1063 | 8311 | 73L | 188B | 9.4 | 1.8 | 0.4 | 0.006 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC MG/L |
| 80 01 15 1500 | | | .3 | 1 | 0.001< | 0.034 | 0.400 | 0.002 | 0.013 | 0.049 | 0.366 | 0.415 | 164.0 | 1.0 |
| 80 02 19 1445 | | | .3 | 1 | 0.002 | 0.062 | 0.430 | 0.006 | 0.079 | 0.147 | 0.368 | 0.515 | 166.0 | 7.0 |
| 80 03 18 1455 | | | .3 | 1 | 0.004 | 0.094 | 0.470 | 0.004 | 0.096 | 0.194 | 0.376 | 0.570 | 167.0 | 1.0 |
| 80 04 15 1450 | | | .3 | 1 | 0.001 | 0.040 | 0.390 | 0.003 | 0.048 | 0.091 | 0.350 | 0.441 | 118.0 | 14.0 |
| 80 05 22 1520 | | | .3 | 1 | 0.001< | 0.014 | 0.370 | 0.003 | 0.022 | 0.039 | 0.356 | 0.395 | 161.0 | 2.0 |
| 80 06 24 1515 | | | .3 | 1 | 0.001 | 0.037 | 0.550 | 0.004 | 0.031 | 0.072 | 0.513 | 0.585 | 121.0 | 4.0 |
| 80 07 22 1530 | | | .3 | 1 | 0.002 | 0.038 | 0.410 | 0.004 | 0.041 | 0.083 | 0.372 | 0.455 | 135.0 | 2.0 |
| 80 08 13 1550 | | | .3 | 1 | 0.001< | 0.018 | 0.440 | 0.002 | 0.013 | 0.033 | 0.422 | 0.455 | 173.0 | 4.0 |
| 80 09 24 1520 | | | .3 | 1 | 0.001 | 0.030 | 0.40 | 0.002 | 0.048 | 0.080 | 0.370 | 0.450 | 139 | 2 |
| 80 11 25 1000 | | | .3 | 1 | 0.001 | 0.034 | 0.340 | 0.002 | 0.043 | 0.079 | 0.306 | 0.385 | 119.0 | 2.0 |
| 80 12 17 1015 | | | .3 | 1 | 0.001 | 0.036 | 0.410 | 0.001 | 0.044 | 0.081 | 0.374 | 0.455 | 141.0 | 8.0 |
| MAXIMUM | | | | | 0.004 | 0.094 | 0.550 | 0.006 | 0.096 | 0.194 | 0.513 | 0.585 | 173.0 | 14.0 |
| ARITH MEAN | | | | | 0.001L | 0.040 | 0.41 | 0.003 | 0.043 | 0.086 | 0.379 | 0.466 | 146 | 4 |
| GEOM MEAN | | | | | 0.001L | 0.035 | 0.41 | 0.003 | 0.037 | 0.076 | 0.376 | 0.462 | 144 | 3 |
| MINIMUM | | | | | 0.001< | 0.014 | 0.340 | 0.001 | 0.013 | 0.033 | 0.306 | 0.385 | 118.0 | 1.0 |
| STD DEV | | | | | 0.001L | 0.022 | 0.06 | 0.001 | 0.026 | 0.047 | 0.062 | 0.065 | 21 | 4 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | PH | FWPH | PHNOL | HGUT | ALUT | CRUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU |
| 80 01 15 1500 | | | .3 | 1 | 250.0 | 1.60 | 11.000 | 7.86 | 7.0 | 1.000< | 0.020< | | | |
| 80 02 19 1445 | | | .3 | 1 | 245.0 | 5.00 | 13.000 | 7.76 | 7.2 | 1.000< | | | | |
| 80 03 18 1455 | | | .3 | 1 | 255.0 | 1.20 | 11.500 | 7.68 | 7.1 | 1.000< | | | | |
| 80 04 15 1450 | | | .3 | 1 | 160.0 | 1.20 | 6.900 | 7.72 | 7.1 | 1.000< | 0.020< | | | |
| 80 05 22 1520 | | | .3 | 1 | 245.0 | 1.50 | 11.000 | 8.11 | 7.5 | 1.000< | | 0.080 | 0.020< | 0.010< |
| 80 06 24 1515 | | | .3 | 1 | 180.0 | 7.75 | 1.500 | 7.71 | 7.3 | 1.000< | | | | |
| 80 07 22 1530 | | | .3 | 1 | 205.0 | 1.30 | 10.500 | 8.04 | 7.6 | 1.000< | | | | |
| 80 08 13 1550 | | | .3 | 1 | 260.0 | 1.70 | 15.000 | 8.13 | 7.6 | 1.000< | | | | |
| 80 09 24 1520 | | | .3 | 1 | 210 | 1.1 | 11.5 | 7.95 | | | | | | |
| 80 10 22 1510 | | | .3 | 1 | | | | | 7.2 | | | | | |
| 80 11 25 1000 | | | .3 | 1 | 180.0 | 0.85 | 8.000 | 7.78 | 7.5 | 1.000 | | | | |
| 80 12 17 1015 | | | .3 | 1 | 205.0 | 1.40 | 9.300 | 7.64 | | 1.000< | | | | |
| MAXIMUM | | | | | 260.0 | 7.75 | 15.000 | 8.13 | 7.6 | 1.000 | 0.020 | 0.080 | 0.020 | 0.010 |
| ARITH MEAN | | | | | 217 | 2.2 | 9.9 | 7.85 | 7.3 | 1.000L | 0.020L | 0.080 | 0.020L | 0.010L |
| GEOM MEAN | | | | | 215 | 1.7 | 8.8 | 7.85 | 7.3 | 1.000L | 0.020L | | | |
| MINIMUM | | | | | 160.0 | 0.85 | 1.500 | 7.64 | 7.0 | 1.000< | 0.020< | 0.080 | 0.020< | 0.010< |
| STD DEV | | | | | 35 | 2.1 | 3.5 | 0.18 | 0.2 | 0.000L | 0.000L | | | |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 10 | 10 | 2 | 1 | 1 | 1 |

| TEST-NAME: | | | | | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 05 22 1520 | | | .3 | 1 | 0.030< | 0.005< | 0.010< | 0.020< | 0.020< |
| MAXIMUM | | | | | 0.030 | 0.005 | 0.010 | 0.020 | 0.020 |
| ARITH MEAN | | | | | 0.030L | 0.005L | 0.010L | 0.020L | 0.020L |
| GEOM MEAN | | | | | | | | | |
| MINIMUM | | | | | 0.030< | 0.005< | 0.010< | 0.020< | 0.020< |
| STD DEV | | | | | | | | | |
| NO OF SAMPLES | | | | | 1 | 1 | 1 | 1 | 1 |

DATE OF REPORT: 29 AUG 81

## 1980 WATER QUALITY DATA

SAMPLE INFORMATION SYSTEM

B.O.W./ SITE: **BEAVERTON RIVER**
SAMPLE POINT: **RAILROAD BRIDGE BEAVERTON**
STATION TYPE: **RIVER FLOW GAUGE FED 02EC011**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SEVERN RIVER**

STATION ID: **03-0077-025-02**
STORET CODE: **02**
**002**
**2720**

DISTANCE: **98.972**

LAT:
LONG:
U T M: **17 0646445.0 4921175.0 4**
REGION: **03**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 15 1300 | | | .3 | 1 | 22045 | 4 | 2.490 | 200 | 3800 | 52 | 36 | 0.0 | 10.2 | 0.4 |
| 80 02 19 1245 | | | .3 | 1 | 22117 | 4 | 0.640 | 240 | 2800 | 72 | 4 | 0.0 | 10.5 | 0.2 |
| 80 03 18 1315 | | | .3 | 1 | 22164 | 4 | 3.800 | | | | | 0.0 | 9.5 | 1.8 |
| 80 04 15 1300 | | | .3 | 1 | 22216 | 6 | 24.400 | 5100C | 27000 | 820 | 3000> | 3.8 | 11.2 | 1.0 |
| 80 05 22 1330 | | | .3 | 1 | 22266 | 6 | 1.600 | 250C | 4100 | 8 | 4< | 21.0 | 7.9 | 1.0 |
| 80 06 24 1330 | | | .3 | 1 | 22316 | 6 | 0.728 | 70C | 7600 | 36 | 4 | 24.9 | 8.9 | 0.8 |
| 80 07 22 1340 | | | .3 | 1 | 22356 | 6 | 6.390 | | | | | 22.0 | 8.1 | 1.0 |
| 80 08 13 1330 | | | .3 | 1 | 22416 | 6 | 1.140 | 400I | 15500 | 80I | 80I | 22.9 | 6.6 | 1.4 |
| 80 09 24 1330 | | | .3 | 1 | 22466 | 6 | 1.160 | 1500 | 27000 | 270 | 90I | 14.9 | 8.9 | 1.2 |
| 80 10 22 1315 | | | .3 | 1 | 22516 | 6 | 1.530 | 1000 | 9300 | 40I | 30I | 6.8 | 12.1 | |
| 80 11 25 1230 | | | .3 | 1 | 22558 | 6 | 2.380 | 900 | 9500 | 40I | 20I | 0.5 | 11.1 | 0.6 |
| 80 12 17 1200 | | | .3 | 1 | 22615 | 8 | 2.600 | 900 | 6000 | 20I | 10< | | | 1.0 |
| MAXIMUM | | | | | | | 24.400 | 5100 | 27000 | 820 | 3000> | 24.9 | 12.1 | 1.8 |
| ARITH MEAN | | | | | | | 4.071 | 1056 | 11260 | 144 | 3288 | 10.8 | 9.6 | 0.9 |
| GEOM MEAN | | | | | | | 2.213 | 539 | 8507 | 80 | 288 | 5.0 | 9.4 | 0.8 |
| MINIMUM | | | | | | | 0.640 | 70 | 2800 | 8 | 4< | 0.0 | 6.6 | 0.2 |
| STD DEV | | | | | | | 6.598 | 1493 | 9067 | 249 | 9398 | 10.5 | 1.7 | 0.4 |
| NO OF SAMPLES | | | | | | | 12 | 10 | 10 | 10 | 10 | 11 | 11 | 11 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 15 1300 | | | .3 | 1 | 0.015 | 0.004 | 0.064 | 0.640 | 0.012 | 1.140 | 1.216 | 0.576 | 1.792 | 355.0 |
| 80 02 19 1245 | | | .3 | 1 | 0.024 | 0.009 | 0.234 | 0.800 | 0.013 | 1.190 | 1.437 | 0.566 | 2.003 | 419.0 |
| 80 03 18 1315 | | | .3 | 1 | 0.070 | 0.026 | 0.480 | 1.380 | 0.029 | 1.470 | 1.979 | 0.900 | 2.879 | 327.0 |
| 80 04 15 1300 | | | .3 | 1 | 0.105 | 0.015 | 0.030 | 0.775 | 0.014 | 1.390 | 1.434 | 0.745 | 2.179 | 187.0 |
| 80 05 22 1330 | | | .3 | 1 | 0.026 | 0.001 | 0.018 | 0.730 | 0.005 | 0.055 | 0.078 | 0.712 | 0.790 | 292.0 |
| 80 06 24 1330 | | | .3 | 1 | 0.027 | 0.001< | 0.022 | 0.960 | 0.023 | 1.230 | 1.275 | 0.938 | 2.213 | 324.0 |
| 80 07 22 1340 | | | .3 | 1 | 0.083 | 0.022 | 0.072 | 1.410 | 0.069 | 2.080 | 2.221 | 1.338 | 3.559 | 286.0 |
| 80 08 13 1330 | | | .3 | 1 | 0.038 | 0.002 | 0.022 | 1.050 | 0.008 | 0.122 | 0.152 | 1.028 | 1.180 | 329.0 |
| 80 09 24 1330 | | | .3 | 1 | 0.025 | 0.002 | 0.034 | 0.85 | 0.005 | 0.110 | 0.149 | 0.816 | 0.965 | 265 |
| 80 11 25 1230 | | | .3 | 1 | 0.014 | 0.006 | 0.008 | 0.580 | 0.004 | 0.671 | 0.683 | 0.572 | 1.255 | 325.0 |
| 80 12 17 1200 | | | .3 | 1 | 0.052 | 0.005 | 0.054 | 0.680 | 0.011 | 1.340 | 1.405 | 0.626 | 2.031 | 387.0 |
| MAXIMUM | | | | | 0.105 | 0.026 | 0.480 | 1.410 | 0.069 | 2.080 | 2.221 | 1.338 | 3.559 | 419.0 |
| ARITH MEAN | | | | | 0.044 | 0.006L | 0.094 | 0.89 | 0.018 | 0.982 | 1.094 | 0.802 | 1.895 | 317 |
| GEOM MEAN | | | | | 0.035 | 0.005L | 0.046 | 0.86 | 0.012 | 0.614 | 0.712 | 0.773 | 1.727 | 311 |
| MINIMUM | | | | | 0.014 | 0.001< | 0.008 | 0.580 | 0.004 | 0.055 | 0.078 | 0.566 | 0.790 | 187.0 |
| STD DEV | | | | | 0.030 | 0.009L | 0.142 | 0.28 | 0.019 | 0.668 | 0.738 | 0.238 | 0.836 | 61 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | RSP | COND25 | TURB | CLIDUR | PH | FWPH | HGUT | ALUT | CRUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU |
| 80 01 15 1300 | | | 3 | 1 | 3.0 | 570.0 | 2.00 | 24.500 | 7.54 | 7.2 | 0.020< | | | |
| 80 02 19 1245 | | | 3 | 1 | 3.0 | 630.0 | 3.80 | 23.500 | 7.34 | 7.1 | | | | |
| 80 03 18 1315 | | | 3 | 1 | 11.0 | 500.0 | 9.00 | 35.000 | 7.75 | 6.9 | | | | |
| 80 04 15 1300 | | | 3 | 1 | 44.0 | 220.0 | 10.00 | 14.000 | 8.03 | 7.7 | 0.020< | | | |
| 80 05 22 1330 | | | 3 | 1 | 6.0 | 440.0 | 4.30 | 19.000 | 8.29 | 7.7 | | 0.150 | 0.020< | 0.010< |
| 80 06 24 1330 | | | 3 | 1 | 6.0 | 500.0 | 4.30 | | 8.24 | 7.8 | | | | |
| 80 07 22 1340 | | | 3 | 1 | 16.0 | 415.0 | 6.90 | 15.000 | 7.83 | 7.3 | | | | |
| 80 08 13 1330 | | | 3 | 1 | 4.0 | 475.0 | 4.80 | 18.500 | 8.28 | 7.9 | | | | |
| 80 09 24 1330 | | | 3 | 1 | 8 | 395 | 4.6 | 17.0 | 8.34 | | | | | |
| 80 10 22 1315 | | | 3 | 1 | | | | | | 7.8 | | | | |
| 80 11 25 1230 | | | 3 | 1 | 5.0 | 520.0 | 1.60 | 21.000 | 8.27 | 8.0 | | | | |
| 80 12 17 1200 | | | | | 5.0 | 580.0 | 2.70 | 22.500 | 7.74 | | | | | |
| MAXIMUM | | | | | 44.0 | 630.0 | 10.00 | 35.000 | 8.34 | 8.0 | 0.020 | 0.150 | 0.020 | 0.010 |
| ARITH MEAN | | | | | 10 | 476 | 4.9 | 21.0 | 7.97 | 7.5 | 0.020L | 0.150 | 0.020L | 0.010L |
| GEOM MEAN | | | | | 7 | 461 | 4.2 | 20.3 | 7.96 | 7.5 | 0.020L | | | |
| MINIMUM | | | | | 3.0 | 220.0 | 1.60 | 14.000 | 7.34 | 6.9 | 0.020< | 0.150 | 0.020< | 0.010< |
| STD DEV | | | | | 11 | 111 | 2.7 | 6.0 | 0.35 | 0.4 | 0.000L | | | |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 10 | 11 | 10 | 2 | 1 | 1 | 1 |

| TEST-NAME: | | | | | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 05 22 1330 | | | .3 | 1 | 0.030< | 0.005< | 0.010< | 0.020< | 0.020< |
| MAXIMUM | | | | | 0.030 | 0.005 | 0.010 | 0.020 | 0.020 |
| ARITH MEAN | | | | | 0.030L | 0.005L | 0.010L | 0.020L | 0.020L |
| GEOM MEAN | | | | | | | | | |
| MINIMUM | | | | | 0.030< | 0.005< | 0.010< | 0.020< | 0.020< |
| STD DEV | | | | | | | | | |
| NO OF SAMPLES | | | | | 1 | 1 | 1 | 1 | 1 |

B O W / SITE: **LAKE COUCHICHING OUTLET**
SAMPLE POINT: **AT HIGHWAY NO.169 WASHAGO**
STATION TYPE: **RIVER FLOW GAUGE FED 02EC005**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SEVERN RIVER**

STATION ID: **03-0077-026-02**
STORET CODE: **02**
**002**
**2720**

LAT: LONG: U T M: **17 0632700.0 4955900.0 4** REGION: **03** DISTANCE: **62.290**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 15 1515 | | | .3 | 1 | 22048 | 6 | 6.120 | 10I | 20 | 4< | 4 | 2.0 | 12.8 | 0.2< |
| 80 02 19 1430 | | | .3 | 1 | 22120 | 4 | 6.380 | 124 | 440 | 2< | 8 | 0.0 | 11.7 | 0.4 |
| 80 03 18 1520 | | | .3 | 1 | 22167 | 4 | 6.920 | | | | | 0.0 | 11.2 | 0.2 |
| 80 04 15 1510 | | | .3 | 1 | 22219 | 6 3 | 13.000 | 48 | 348 | 4 | 4 | 3.1 | 12.2 | 0.6 |
| 80 05 22 1540 | | | .3 | 1 | 22269 | 6 | 11.400 | 10I | 410 | 4< | 4< | 19.2 | 9.2 | 0.8 |
| 80 06 24 1445 | | | .3 | 1 | 22319 | 6 | 9.110 | 8C | 1360 | 2 | 4 | 21.3 | 9.3 | 0.6 |
| 80 07 22 1545 | | | .3 | 1 | 22359 | 6 | 8.970 | | | | | 23.9 | 10.2 | 0.4 |
| 80 08 13 1605 | | | .3 | 1 | 22419 | 6 | 8.360 | 10< | 1950 | 4< | 600> | 23.1 | 8.3 | 0.6 |
| 80 09 24 1510 | | | .3 | 1 | 22469 | 6 | 5.340 | 20I | 1400 | 10< | 20I | 15.2 | 9.7 | 0.7 |
| 80 10 22 1450 | | | .3 | 1 | 22519 | 6 | 4.580 | 30I | 800 | 4< | 8 | 7.4 | 11.8 | |
| 80 11 25 1030 | | | .3 | 1 | 22555 | 6 | 4.830 | 20I | 250 | 4< | 8 | 0.8 | 11.2 | 0.4 |
| 80 12 17 1030 | | | .3 | 1 | 22612 | 8 | 6.650 | 100 | 400 | 4< | 4< | | | 1.0 |
| MAXIMUM | | | | | | | 13.000 | 124 | 1950 | 10 | 600> | 23.9 | 12.8 | 1.0 |
| ARITH MEAN | | | | | | | 7.638 | 38L | 738 | 4L | 668 | 10.5 | 10.7 | 0.5L |
| GEOM MEAN | | | | | | | 7.281 | 24L | 454 | 4L | 108 | 5.4 | 10.6 | 0.5L |
| MINIMUM | | | | | | | 4.580 | 8< | 20 | 2< | 4< | 0.0 | 8.3 | 0.2< |
| STD DEV | | | | | | | 2.618 | 41L | 625 | 2L | 1888 | 10.0 | 1.4 | 0.2L |
| NO OF SAMPLES | | | | | | | 12 | 10 | 10 | 10 | 10 | 11 | 11 | 11 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 15 1515 | | | .3 | 1 | 0.011 | 0.001< | 0.010 | 0.380 | 0.002 | 0.058 | 0.070 | 0.370 | 0.440 | 217.0 |
| 80 02 19 1430 | | | .3 | 1 | 0.027 | 0.002 | 0.022 | 0.420 | 0.003 | 0.005 | 0.030 | 0.398 | 0.428 | 232.0 |
| 80 03 18 1520 | | | .3 | 1 | 0.010 | 0.001 | 0.048 | 0.460 | 0.002 | 0.028 | 0.078 | 0.412 | 0.490 | 235.0 |
| 80 04 15 1510 | | | .3 | 1 | 0.012 | 0.001 | 0.022 | 0.360 | 0.002 | 0.131 | 0.155 | 0.338 | 0.493 | 207.0 |
| 80 05 22 1540 | | | .3 | 1 | 0.012 | 0.001< | 0.016 | 0.390 | 0.002 | 0.003 | 0.021 | 0.374 | 0.395 | 209.0 |
| 80 06 24 1445 | | | .3 | 1 | 0.013 | 0.001 | 0.027 | 0.410 | 0.001 | 0.004 | 0.032 | 0.383 | 0.415 | 197.0 |
| 80 07 22 1545 | | | .3 | 1 | 0.014 | 0.001< | 0.022 | 0.480 | 0.002 | 0.003 | 0.027 | 0.458 | 0.485 | 194.0 |
| 80 08 13 1605 | | | .3 | 1 | 0.014 | 0.001< | 0.016 | 0.430 | 0.001 | 0.004 | 0.021 | 0.414 | 0.435 | 195.0 |
| 80 09 24 1510 | | | .3 | 1 | 0.013 | 0.001< | 0.030 | 0.42 | 0.001 | 0.014 | 0.045 | 0.390 | 0.435 | 193 |
| 80 11 25 1030 | | | .3 | 1 | 0.013 | 0.001 | 0.020 | 0.390 | 0.001 | 0.009 | 0.030 | 0.370 | 0.400 | 207.0 |
| 80 12 17 1030 | | | .3 | 1 | 0.006 | 0.001 | 0.024 | 0.390 | 0.001< | 0.014 | 0.039 | 0.366 | 0.405 | 216.0 |
| MAXIMUM | | | | | 0.027 | 0.002 | 0.048 | 0.480 | 0.003 | 0.131 | 0.155 | 0.458 | 0.493 | 235.0 |
| ARITH MEAN | | | | | 0.013 | 0.001L | 0.023 | 0.41 | 0.002L | 0.025 | 0.050 | 0.388 | 0.436 | 209 |
| GEOM MEAN | | | | | 0.012 | 0.001L | 0.022 | 0.41 | 0.002L | 0.011 | 0.041 | 0.387 | 0.437 | 208 |
| MINIMUM | | | | | 0.006 | 0.001< | 0.010 | 0.360 | 0.001< | 0.003 | 0.021 | 0.338 | 0.395 | 193 |
| STD DEV | | | | | 0.006 | 0.000L | 0.010 | 0.03 | 0.001L | 0.039 | 0.040 | 0.032 | 0.036 | 14 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | RSP | COND25 | TURB | CLIDUR | PH | FWPH | PHNOL | HGUT | ALUT | CRUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR |
| 80 01 15 1515 | | | .3 | 1 | 2.0 | 330.0 | 1.30 | 17.000 | 8.25 | 7.8 | 1.000< | 0.020 | | |
| 80 02 19 1430 | | | .3 | 1 | 4.0 | 350.0 | 2.50 | 18.500 | 8.14 | 7.8 | 1.000< | | | |
| 80 03 18 1520 | | | .3 | 1 | 4.0 | 355.0 | 1.50 | 18.000 | 8.04 | 7.5 | 1.000< | | | |
| 80 04 15 1510 | | | .3 | 1 | 2.0 | 315.0 | 2.50 | 16.500 | 8.16 | 7.3 | 1.000< | 0.020< | | |
| 80 05 22 1540 | | | .3 | 1 | 4.0 | 315.0 | 2.50 | 16.500 | 8.35 | 7.7 | 1.000< | | 0.020< | 0.020< |
| 80 06 24 1445 | | | .3 | 1 | 2.0 | 300.0 | 17.00 | 1.500 | 8.38 | 7.9 | 1.000< | | | |
| 80 07 22 1545 | | | 3 | 1 | 2.0 | 295.0 | 1.20 | 17.000 | 8.34 | 8.0 | 1.000< | | | |
| 80 08 13 1605 | | | .3 | 1 | 3.0 | 295.0 | 1.10 | 17.500 | 8.42 | 8.0 | 1.000< | | | |
| 80 09 24 1510 | | | .3 | 1 | 0.7 | 295 | 1.3 | 17.0 | 8.32 | | | | | |
| 80 10 22 1450 | | | 3 | 1 | | | | | | 7.9 | | | | |
| 80 11 25 1030 | | | 3 | 1 | 2.0 | 315.0 | 1.20 | 17.500 | 8.21 | 8.0 | 1.000 | | | |
| 80 12 17 1030 | | | 3 | 1 | 0.6 | 330.0 | 1.30 | 17.500 | 8.11 | | 1.000< | | | |
| MAXIMUM | | | | | 4.0 | 355.0 | 17.00 | 18.500 | 8.42 | 8.0 | 1.000 | 0.020 | 0.020 | 0.020 |
| ARITH MEAN | | | | | 2.4 | 317 | 3.0 | 15.8 | 8.25 | 7.8 | 1.000L | 0.020L | 0.020L | 0.020L |
| GEOM MEAN | | | | | 2.0 | 317 | 1.9 | 13.8 | 8.25 | 7.8 | 1.000L | 0.020L | | |
| MINIMUM | | | | | 0.6 | 295.0 | 1.10 | 1.500 | 8.04 | 7.3 | 1.000< | 0.020< | 0.020< | 0.020< |
| STD DEV | | | | | 1.2 | 21 | 4.6 | 4.8 | 0.12 | 0.2 | 0.000L | 0.000L | | |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 10 | 10 | 2 | 1 | 1 |

| TEST-NAME: | | | | | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 05 22 1540 | | | .3 | 1 | 0.040 | 0.030< | 0.005< | 0.020 | 0.020< | 0.020< |
| MAXIMUM | | | | | 0.040 | 0.030 | 0.005 | 0.020 | 0.020 | 0.020 |
| ARITH MEAN | | | | | 0.040 | 0.030L | 0.005L | 0.020 | 0.020L | 0.020L |
| GEOM MEAN | | | | | | | | | | |
| MINIMUM | | | | | 0.040 | 0.030< | 0.005< | 0.020 | 0.020< | 0.020< |
| STD DEV | | | | | | | | | | |
| NO OF SAMPLES | | | | | 1 | 1 | 1 | 1 | 1 | 1 |

B.O.W./ SITE: **PEFFERLAW BROOK**
SAMPLE POINT: **AT HIGHWAY 48**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SEVERN RIVER**

STATION ID: **03-0077-027-02**
STORET CODE: **02**
**002**
**2720**

LAT:
LONG:
U T M: **17 0642100.0 4909900.0 4**
REGION: **03**
DISTANCE: **0.986**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 15 1230 | | | .3 | 1 | 22044 | 4 | 2760C | 22000 | 76 | 176 | 0.0 | 11.5 | 1.4 | 0.060 |
| 80 02 19 1215 | | | .3 | 1 | 22116 | 4 | 50I | 950 | 16 | 4 | 0.0 | 10.7 | 0.6 | 0.023 |
| 80 03 18 1250 | | | .3 | 1 | 22163 | 4 | | | | | 0.0 | 10.6 | 4.6 | 0.123 |
| 80 04 15 1220 | | | .3 | 1 | 22215 | 6 | 1800 | 7000 | 220 | 1900 | 3.0 | 11.6 | 1.0 | 0.068 |
| 80 05 22 1310 | | | .3 | 1 | 22265 | 6 | 210C | 3400 | 4 | 8 | 20.0 | 8.7 | 0.8 | 0.029 |
| 80 06 24 1240 | | | .3 | 1 | 22315 | 6 9 | 80C | 3600 | 8 | 4< | 22.0 | 8.5 | 0.8 | 0.028 |
| 80 07 22 1255 | | | .3 | 1 | 22355 | 6 | | | | | 21.0 | 6.8 | 1.0 | 0.090 |
| 80 08 13 1310 | | | .3 | 1 | 22415 | 6 | 100I | 21000 | 10I | 200 | 22.8 | 7.3 | 1.2 | 0.042 |
| 80 09 24 1300 | | | .3 | 1 | 22465 | 6 | 1500 | 28000 | 150 | 160 | 15.0 | 8.8 | 1.2 | 0.037 |
| 80 10 22 1245 | | | .3 | 1 | 22515 | 6 | 500I | 5100 | 10< | 30I | 6.9 | 10.9 | | |
| 80 11 25 1300 | | | .3 | 1 | 22559 | 6 | 400I | 3150 | 20I | 220 | 1.0 | 9.9 | 0.4 | 0.016 |
| 80 12 17 1230 | | | .3 | 1 | 22616 | 8 | 200 | 3400 | 10< | 10< | | | 1.1 | 0.011 |
| MAXIMUM | | | | | | | 2760 | 28000 | 220 | 1900 | 22.8 | 11.6 | 4.6 | 0.123 |
| ARITH MEAN | | | | | | | 760 | 9760 | 52L | 271L | 10.2 | 9.6 | 1.3 | 0.048 |
| GEOM MEAN | | | | | | | 347 | 5970 | 22L | 50L | 5.1 | 9.4 | 1.0 | 0.038 |
| MINIMUM | | | | | | | 50 | 950 | 4< | 4< | 0.0 | 6.8 | 0.4 | 0.011 |
| STD DEV | | | | | | | 934 | 9879 | 75L | 579L | 10.0 | 1.7 | 1.1 | 0.034 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 15 1230 | | | .3 | 1 | 0.003 | 0.092 | 0.830 | 0.013 | 0.762 | 0.867 | 0.738 | 1.605 | 292.0 | 19.0 |
| 80 02 19 1215 | | | .3 | 1 | 0.007 | 0.124 | 0.430 | 0.010 | 1.180 | 1.320 | 0.306 | 1.626 | 313.0 | 6.0 |
| 80 03 18 1250 | | | .3 | 1 | 0.029 | 0.270 | 1.480 | 0.022 | 1.280 | 1.572 | 1.210 | 2.782 | 279.0 | 13.0 |
| 80 04 15 1220 | | | .3 | 1 | 0.012 | 0.042 | 0.750 | 0.011 | 0.719 | 0.772 | 0.708 | 1.480 | 281.0 | 24.0 |
| 80 05 22 1310 | | | .3 | 1 | 0.001 | 0.034 | 0.550 | 0.005 | 0.050 | 0.089 | 0.516 | 0.605 | 280.0 | 7.0 |
| 80 06 24 1240 | | | .3 | 1 | 0.002 | 0.035 | 0.580 | 0.006 | 0.109 | 0.150 | 0.545 | 0.695 | 281.0 | 5.0 |
| 80 07 22 1255 | | | .3 | 1 | 0.022 | 0.058 | 1.000 | 0.028 | 0.337 | 0.423 | 0.942 | 1.365 | 241.0 | 20.0 |
| 80 08 13 1310 | | | .3 | 1 | 0.004 | 0.014 | 0.750 | 0.007 | 0.053 | 0.074 | 0.736 | 0.810 | 314.0 | 7.0 |
| 80 09 24 1300 | | | .3 | 1 | 0.012 | 0.046 | 0.62 | 0.017 | 0.183 | 0.246 | 0.574 | 0.820 | 265 | 5 |
| 80 11 25 1300 | | | .3 | 1 | 0.008 | 0.034 | 0.400 | 0.004 | 0.401 | 0.439 | 0.366 | 0.805 | 300.0 | 4.0 |
| 80 12 17 1230 | | | .3 | 1 | 0.004 | 0.030 | 0.520 | 0.006 | 0.699 | 0.735 | 0.490 | 1.225 | 322.0 | 4.0 |
| MAXIMUM | | | | | 0.029 | 0.270 | 1.480 | 0.028 | 1.280 | 1.572 | 1.210 | 2.782 | 322.0 | 24.0 |
| ARITH MEAN | | | | | 0.009 | 0.071 | 0.71 | 0.012 | 0.525 | 0.608 | 0.648 | 1.258 | 288 | 10 |
| GEOM MEAN | | | | | 0.006 | 0.051 | 0.67 | 0.010 | 0.324 | 0.403 | 0.604 | 1.136 | 287 | 8 |
| MINIMUM | | | | | 0.001 | 0.014 | 0.400 | 0.004 | 0.050 | 0.074 | 0.306 | 0.605 | 241.0 | 4.0 |
| STD DEV | | | | | 0.009 | 0.073 | 0.30 | 0.008 | 0.437 | 0.500 | 0.280 | 0.631 | 23 | 7 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | PH | FWPH | PHNOL | HGUT | ALUT | CRUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU |
| 80 01 15 1230 | | | .3 | 1 | 420.0 | 5.90 | 15.500 | 7.79 | 7.2 | 1.000< | 0.020 | | | |
| 80 02 19 1215 | | | .3 | 1 | 500.0 | 3.90 | 14.500 | 7.64 | 7.3 | 1.000< | | | | |
| 80 03 18 1250 | | | .3 | 1 | 425.0 | 10.00 | 33.000 | 7.69 | 7.2 | 3.000 | | | | |
| 80 04 15 1220 | | | .3 | 1 | 410.0 | 5.50 | 12.500 | 7.96 | 7.6 | 1.000< | 0.020< | | | |
| 80 05 22 1310 | | | .3 | 1 | 420.0 | 2.00 | 12.000 | 8.30 | 7.7 | 1.000< | | 0.080 | 0.020< | 0.010< |
| 80 06 24 1240 | | | .3 | 1 | 425.0 | 3.20 | 11.000 | 8.14 | 7.7 | 1.000< | | | | |
| 80 07 22 1255 | | | .3 | 1 | 340.0 | 9.20 | 6.550 | 7.81 | 7.3 | 1.000< | | | | |
| 80 08 13 1310 | | | .3 | 1 | 460.0 | 3.50 | 15.000 | 8.24 | 7.9 | 1.000< | | | | |
| 80 09 24 1300 | | | .3 | 1 | 450 | 3.1 | 13.5 | 8.20 | | | | | | |
| 80 10 22 1245 | | | .3 | 1 | | | | | 7.6 | | | | | |
| 80 11 25 1300 | | | .3 | 1 | 480.0 | 1.70 | 15.000 | 8.19 | 7.8 | 1.000 | | | | |
| 80 12 17 1230 | | | .3 | 1 | 520.0 | 2.80 | 18.500 | 7.78 | | 1.000< | | | | |
| MAXIMUM | | | | | 520.0 | 10.00 | 33.000 | 8.30 | 7.9 | 3.000 | 0.020 | 0.080 | 0.020 | 0.010 |
| ARITH MEAN | | | | | 440 | 4.6 | 15.1 | 7.98 | 7.5 | 1.200L | 0.020L | 0.080 | 0.020L | 0.010L |
| GEOM MEAN | | | | | 438 | 3.9 | 14.1 | 7.97 | 7.5 | 1.118L | 0.020L | | | |
| MINIMUM | | | | | 340.0 | 1.70 | 6.550 | 7.64 | 7.2 | 1.000< | 0.020< | 0.080 | 0.020< | 0.010< |
| STD DEV | | | | | 49 | 2.7 | 6.6 | 0.24 | 0.3 | 0.632L | 0.000L | | | |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 10 | 10 | 2 | 1 | 1 | 1 |

| TEST-NAME: | | | | | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 05 22 1310 | | | .3 | 1 | 0.030< | 0.005< | 0.010< | 0.020< | 0.020< |
| MAXIMUM | | | | | 0.030 | 0.005 | 0.010 | 0.020 | 0.020 |
| ARITH MEAN | | | | | 0.030L | 0.005L | 0.010L | 0.020L | 0.020L |
| GEOM MEAN | | | | | | | | | |
| MINIMUM | | | | | 0.030< | 0.005< | 0.010< | 0.020< | 0.020< |
| STD DEV | | | | | | | | | |
| NO OF SAMPLES | | | | | 1 | 1 | 1 | 1 | 1 |

B O W / SITE **LOVERS CREEK**
SAMPLE POINT **TOLLENDALE ROAD NEAR MINET BAY**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SEVERN RIVER**

STATION ID **03-0077-028-02**
STORET CODE **02**
**002**
**2720**

LAT LONG U T M **17 0607400.0 4913800.0 4** REGION **03** DISTANCE **0.322**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 17 1350 | | | 3 | 1 | 22069 | 4 | 480C | 2750 | 80I | 100 | 1.2 | 12.2 | 0.2 | 0.022 |
| 80 02 21 1345 | | | 3 | 1 | 22143 | 4 | 120I | 720 | 60I | 10I | 0.0 | 10.7 | 0.4 | 0.021 |
| 80 03 20 1350 | | | 3 | 1 | 22188 | 6 | 5000I | 130000 | 300I | 3000> | 1.0 | 12.2 | 5.4 | 0.650 |
| 80 04 17 1420 | | | 3 | 1 | 22241 | 6 | 100I | 1500 | 20< | 160I | 5.9 | 10.8 | 0.2 | 0.022 |
| 80 05 26 1520 | | | 3 | 1 | 22290 | 6 | 340C | 9600 | 50I | 10I | 18.1 | 8.6 | 1.0 | 0.019 |
| 80 06 26 1400 | | | 3 | 1 | 22340 | 6 | 2100 | 18000 | 150 | 1440 | 25.0 | 7.2 | 1.0 | 0.020 |
| 80 07 21 1515 | | | 3 | 1 | 22349 | 6 3 | | | | | 20.9 | 10.0 | 1.6 | 0.098 |
| 80 08 15 1120 | | | 3 | 1 | 22434 | 6 | 90I | 1750 | 10I | 120 | 17.8 | 9.6 | 0.4 | 0.005 |
| 80 09 26 1100 | | | 3 | 1 | 22484 | 6 | 2300 | 20500 | 100 | 320 | 9.5 | 9.7 | 0.2 | 0.015 |
| 80 10 28 1045 | | | 3 | 1 | 22534 | 6 | 2100 | 12000 | 120 | 700 | 4.1 | 12.6 | | |
| 80 11 28 1030 | | | 3 | 1 | 22582 | 6 | 1500 | 1300 | 100 | 20I | 1.2 | 12.2 | 0.2 | 0.010 |
| 80 12 15 1400 | | | 3 | 1 | 22597 | 8 | 6600 | 11000 | 10I | 10I | | | 0.5 | 0.156 |
| MAXIMUM | | | | | | | 6600 | 130000 | 300 | 3000> | 25.0 | 12.6 | 5.4 | 0.650 |
| ARITH MEAN | | | | | | | 1885 | 19011 | 91L | 535G | 9.5 | 10.6 | 1.0 | 0.094 |
| GEOM MEAN | | | | | | | 802 | 6068 | 58L | 113G | 5.1 | 10.4 | 0.5 | 0.031 |
| MINIMUM | | | | | | | 90 | 720 | 10< | 10 | 0.0 | 7.2 | 0.2 | 0.005 |
| STD DEV | | | | | | | 2160 | 37471 | 83L | 925G | 9.2 | 1.7 | 1.5 | 0.190 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 17 1350 | | | 3 | 1 | 0.004 | 0.040 | 0.460 | 0.006 | 1.890 | 1.936 | 0.420 | 2.356 | 322.0 | 9.0 |
| 80 02 21 1345 | | | 3 | 1 | 0.008 | 0.050 | 0.370 | 0.008 | 2.090 | 2.148 | 0.320 | 2.468 | 351.0 | 5.0 |
| 80 03 20 1350 | | | 3 | 1 | 0.125 | 0.377 | 2.780 | 0.033 | 1.170 | 1.580 | 2.403 | 3.983 | 457.0 | 285.0 |
| 80 04 17 1420 | | | 3 | 1 | 0.003 | 0.028 | 0.590 | 0.007 | 1.140 | 1.175 | 0.562 | 1.737 | 283.0 | 10.0 |
| 80 05 26 1520 | | | 3 | 1 | 0.001 | 0.002 | 0.500 | 0.009 | 1.090 | 1.101 | 0.498 | 1.599 | 291.0 | 3.0 |
| 80 06 26 1400 | | | 3 | 1 | 0.003 | 0.018 | 0.640 | 0.019 | 1.330 | 1.367 | 0.622 | 1.989 | 294.0 | 5.0 |
| 80 07 21 1515 | | | 3 | 1 | 0.025 | 0.008 | 1.250 | 0.041 | 2.360 | 2.409 | 1.242 | 3.651 | 229.0 | 37.0 |
| 80 08 15 1120 | | | 3 | 1 | 0.001 | 0.014 | 0.610 | 0.006 | 1.090 | 1.110 | 0.596 | 1.706 | 324.0 | 2.0 |
| 80 09 26 1100 | | | 3 | 1 | 0.004 | 0.036 | 0.61 | 0.004 | 0.846 | 0.886 | 0.574 | 1.460 | 342 | 2 |
| 80 11 28 1030 | | | 3 | 1 | 0.002 | 0.008 | 0.470 | 0.005 | 1.490 | 1.503 | 0.462 | 1.965 | 331.0 | 4.0 |
| 80 12 15 1400 | | | 3 | 1 | 0.051 | 0.008 | 0.610 | 0.007 | 1.390 | 1.405 | 0.602 | 2.007 | 333.0 | 4.0 |
| MAXIMUM | | | | | 0.125 | 0.377 | 2.780 | 0.041 | 2.360 | 2.409 | 2.403 | 3.983 | 457.0 | 285.0 |
| ARITH MEAN | | | | | 0.021 | 0.054 | 0.80 | 0.013 | 1.444 | 1.511 | 0.765 | 2.266 | 323 | 33 |
| GEOM MEAN | | | | | 0.006 | 0.020 | 0.66 | 0.010 | 1.379 | 1.447 | 0.634 | 2.152 | 319 | 7 |
| MINIMUM | | | | | 0.001 | 0.002 | 0.370 | 0.004 | 0.846 | 0.886 | 0.320 | 1.460 | 229.0 | 2.0 |
| STD DEV | | | | | 0.038 | 0.108 | 0.69 | 0.013 | 0.474 | 0.476 | 0.595 | 0.827 | 56 | 84 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | PH | FWPH | HGUT | ALUT | CRUT | CUUT | PBUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | MERCURY UNF.TOT. UG/I AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB |
| 80 01 17 1350 | | | 3 | 1 | 495.0 | 4.80 | 23.000 | 8.03 | 7.6 | 0.020 | | | | |
| 80 02 21 1345 | | | 3 | 1 | 540.0 | 2.10 | 39.000 | 8.06 | 7.6 | | | | | |
| 80 03 20 1350 | | | 3 | 1 | 265.0 | 67.00 | 21.000 | 7.89 | 7.3 | 0.040 | | | | |
| 80 04 17 1420 | | | 3 | 1 | 420.0 | 4.00 | 17.500 | 8.14 | 7.3 | 0.020 | | | | |
| 80 05 26 1520 | | | 3 | 1 | 445.0 | 1.50 | 22.000 | 8.62 | 8.0 | | 0.020 | 0.040 | 0.020 | 0.030< |
| 80 06 26 1400 | | | 3 | 1 | 445.0 | 2.10 | 19.500 | 8.66 | 8.1 | | | | | |
| 80 07 21 1515 | | | 3 | 1 | 295.0 | 18.00 | 7.850 | 7.78 | 7.2 | | | | | |
| 80 08 15 1120 | | | 3 | 1 | 480.0 | 1.20 | 20.500 | 8.51 | 8.0 | | | | | |
| 80 09 26 1100 | | | 3 | 1 | 530 | 1.3 | 20.5 | 8.05 | | | | | | |
| 80 10 28 1045 | | | 3 | 1 | | | | | 7.9 | | | | | |
| 80 11 28 1030 | | | 3 | 1 | 520.0 | 1.80 | 22.500 | 8.23 | 7.8 | | | | | |
| 80 12 15 1400 | | | 3 | 1 | 530.0 | 2.00 | 24.500 | 8.06 | | 0.310 | | | | |
| MAXIMUM | | | | | 540.0 | 67.00 | 39.000 | 8.66 | 8.1 | 0.310 | 0.020 | 0.040 | 0.020 | 0.030 |
| ARITH MEAN | | | | | 451 | 9.6 | 21.6 | 8.18 | 7.7 | 0.097 | 0.020 | 0.040 | 0.020 | 0.030L |
| GEOM MEAN | | | | | 440 | 3.4 | 20.4 | 8.18 | 7.7 | 0.047 | | | | |
| MINIMUM | | | | | 265.0 | 1.20 | 7.850 | 7.78 | 7.2 | 0.020 | 0.020 | 0.040 | 0.020 | 0.030< |
| STD DEV | | | | | 93 | 19.6 | 7.2 | 0.29 | 0.3 | 0.142 | | | | |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 10 | 4 | 1 | 1 | 1 | 1 |

| TEST-NAME: | | | | | CDUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 05 26 1520 | | | 3 | 1 | 0.005< | 0.010< | 0.020< |
| MAXIMUM | | | | | 0.005 | 0.010 | 0.020 |
| ARITH MEAN | | | | | 0.005L | 0.010L | 0.020L |
| GEOM MEAN | | | | | | | |
| MINIMUM | | | | | 0.005< | 0.010< | 0.020< |
| STD DEV | | | | | | | |
| NO OF SAMPLES | | | | | 1 | 1 | 1 |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **SCHOMBERGE RIVER**
SAMPLE POINT: **HIGHWAY NO.27 NORTH OF SCHOMBERG**
STATION TYPE: **RIVER FLOW GAUGE FED 02EC010**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SEVERN RIVER**

STATION ID: **03-0077-029-02**
STORET CODE: **03**
**002**
**2720**

LAT: LONG: U T M: **17 0605000.0 4874075.0 4** REGION: **03** DISTANCE: **152.240**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 17 1500 | | | 3 | 1 | 22070 | 4 | 0.225 | 6700 | 6500 | 1380 | 290 | 1.0 | 10.2 | 0.8 |
| 80 02 22 1050 | | | 3 | 1 | 22142 | 4 | 0.020 | 15000> | 26000 | 7100 | 1300 | 0.0 | 10.1 | 1.6 |
| 80 03 20 1425 | | | 3 | 1 | 22189 | 6 | 2.190 | 300I | 3300 | 100 | 5800 | 0.0 | 10.3 | 5.4 |
| 80 04 17 0915 | | | 3 | 1 | 22233 | 6 | 0.623 | 14100 | 6100 | 110 | 310 | 1.9 | 12.0 | 0.4 |
| 80 05 26 1700 | | | 3 | 1 | 22291 | 6 | 0.073 | 10400C | 23000 | 910 | 220 | 15.5 | 10.2 | 1.0 |
| 80 06 26 1600 | | | 3 | 1 | 22341 | 6 | 0.042 | 18000 | 21000 | 240 | 540 | 23.0 | 5.6 | 1.8 |
| 80 07 21 1715 | | | 3 | 1 | 22350 | 6 3 | 0.870 | | | | | 23.4 | 5.9 | 3.2 |
| 80 08 15 0930 | | | 3 | 1 | 22433 | 6 | 0.054 | 1500 | 27000 | 1300 | 2800 | 18.0 | 4.8 | 1.2 |
| 80 09 26 0930 | | | 3 | 1 | 22483 | 6 | 0.124 | 22000 | 39000 | 1200 | 1100 | 11.0 | 7.6 | 0.8 |
| 80 10 28 0930 | | | 3 | 1 | 22533 | 6 | 0.272 | 4100 | 24000 | 1300 | 1100 | 5.0 | 10.8 | |
| 80 11 28 0930 | | | 3 | 1 | 22581 | 6 | 0.185 | 19000 | 23000 | 490 | 170 | 2.0 | 11.6 | 0.4 |
| 80 12 15 1515 | | | 3 | 1 | 22598 | 6 | 0.219 | 38000 | 150000 | 1180 | 270 | | | 0.6 |
| MAXIMUM | | | | | | | 2.190 | 38000> | 150000 | 7100 | 5800 | 23.4 | 12.0 | 5.4 |
| ARITH MEAN | | | | | | | 0.408 | 13656G | 31718 | 1392 | 1284 | 9.2 | 9.0 | 1.6 |
| GEOM MEAN | | | | | | | 0.181 | 7928G | 19361 | 722 | 672 | 4.8 | 8.6 | 1.1 |
| MINIMUM | | | | | | | 0.020 | 300 | 3300 | 100 | 170 | 0.0 | 4.8 | 0.4 |
| STD DEV | | | | | | | 0.618 | 10900G | 40651 | 1959 | 1683 | 9.3 | 2.[illegible] | 1.5 |
| NO OF SAMPLES | | | | | | | 12 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 17 1500 | | | 3 | 1 | 0.109 | 0.017 | 0.130 | 0.840 | 0.013 | 2.590 | 2.733 | 0.710 | 3.443 | 485.0 |
| 80 02 22 1050 | | | 3 | 1 | 0.130 | 0.044 | 0.820 | 1.400 | 0.017 | 1.030 | 1.867 | 0.580 | 2.447 | 498.0 |
| 80 03 20 1425 | | | 3 | 1 | 0.350 | 0.057 | 0.460 | 1.930 | 0.045 | 1.110 | 1.615 | 1.470 | 3.085 | 395.0 |
| 80 04 17 0915 | | | 3 | 1 | 0.060 | 0.011 | 0.056 | 0.775 | 0.015 | 3.140 | 3.211 | 0.719 | 3.930 | 424.0 |
| 80 05 26 1700 | | | 3 | 1 | 0.072 | 0.008 | 0.058 | 0.760 | 0.024 | 0.251 | 0.333 | 0.702 | 1.035 | 373.0 |
| 80 06 26 1600 | | | 3 | 1 | 0.132 | 0.058 | 0.066 | 0.820 | 0.048 | 0.182 | 0.296 | 0.754 | 1.050 | 431.0 |
| 80 07 21 1715 | | | 3 | 1 | 0.260 | 0.043 | 0.010 | 1.510 | 0.058 | 2.440 | 2.508 | 1.500 | 4.008 | 470.0 |
| 80 08 15 0930 | | | 3 | 1 | 0.180 | 0.096 | 0.122 | 0.780 | 0.060 | 0.450 | 0.632 | 0.658 | 1.290 | 423.0 |
| 80 09 26 0930 | | | 3 | 1 | 0.100 | 0.003 | 0.094 | 0.82 | 0.020 | 0.275 | 0.389 | 0.726 | 1.115 | 479 |
| 80 11 28 0930 | | | 3 | 1 | 0.033 | 0.010 | 0.080 | 0.580 | 0.013 | 1.190 | 1.283 | 0.500 | 1.783 | 474.0 |
| 80 12 15 1515 | | | 3 | 1 | 0.178 | 0.061 | 0.144 | 0.670 | 0.011 | 2.350 | 2.505 | 0.526 | 3.031 | 446.0 |
| MAXIMUM | | | | | 0.350 | 0.096 | 0.820 | 1.930 | 0.060 | 3.140 | 3.211 | 1.500 | 4.008 | 498.0 |
| ARITH MEAN | | | | | 0.146 | 0.037 | 0.186 | 0.99 | 0.029 | 1.364 | 1.679 | 0.804 | 2.383 | 446 |
| GEOM MEAN | | | | | 0.120 | 0.024 | 0.103 | 0.92 | 0.024 | 0.911 | 1.181 | 0.762 | 2.088 | 443 |
| MINIMUM | | | | | 0.033 | 0.003 | 0.010 | 0.580 | 0.011 | 0.182 | 0.296 | 0.500 | 1.035 | 373.0 |
| STD DEV | | | | | 0.093 | 0.030 | 0.242 | 0.42 | 0.019 | 1.079 | 1.068 | 0.347 | 1.178 | 39 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | CLIDUR | PH | FWPH | HGUT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | MERCURY UNF.TOT. UG/L AS HG |
| 80 01 17 1500 | | | 3 | 1 | 77.0 | 408.0 | 660.0 | 28.000 | 7.72 | 7.2 | 0.020 |
| 80 02 22 1050 | | | 3 | 1 | 33.0 | 465.0 | 740.0 | | 7.69 | 7.2 | |
| 80 03 20 1425 | | | 3 | 1 | 187.0 | | 320.0 | 15.500 | 7.77 | 7.3 | 0.030 |
| 80 04 17 0915 | | | 3 | 1 | 21.0 | 403.0 | 580.0 | 22.500 | 7.95 | 7.2 | 0.020 |
| 80 05 26 1700 | | | 3 | 1 | 10.0 | 363.0 | 550.0 | 22.000 | 8.17 | 7.6 | |
| 80 06 26 1600 | | | 3 | 1 | 13.0 | 418.0 | 650 | 23.500 | 8.01 | 7.4 | |
| 80 07 21 1715 | | | 3 | 1 | 112.0 | 358.0 | 500.0 | 24.000 | 7.81 | 7.4 | |
| 80 08 15 0930 | | | 3 | 1 | 26.0 | 397.0 | 600.0 | 21.000 | 7.86 | 7.2 | 8.4 |
| 80 09 26 0930 | | | 3 | 1 | 33 | 446 | 720 | 51.0 | 7.75 | | |
| 80 10 28 0930 | | | 3 | 1 | | | | | | 7.3 | |
| 80 11 28 0930 | | | 3 | 1 | 7.0 | 467.0 | 800.0 | 66.000 | 7.93 | 7.7 | |
| 80 12 15 1515 | | | 3 | 1 | 6.0 | 440.0 | 720.0 | 28.500 | 7.96 | | 0.070 |
| MAXIMUM | | | | | 187.0 | 467.0 | 800.0 | 66.000 | 8.17 | 7.7 | 8.4 |
| ARITH MEAN | | | | | 47 | 416 | 621 | 30.2 | 7.87 | 7.3 | 1.7 |
| GEOM MEAN | | | | | 26 | 414 | 605 | 27.4 | 7.87 | 7.3 | 0.0 |
| MINIMUM | | | | | 6.0 | 358.0 | 320.0 | 15.500 | 7.69 | 7.2 | 0.020 |
| STD DEV | | | | | 58 | 38 | 134 | 15.7 | 0.15 | 0.2 | 3.7 |
| NO OF SAMPLES | | | | | 11 | 10 | 11 | 10 | 11 | 10 | 5 |

B O W / SITE **HOLLAND RIVER**
SAMPLE POINT **AT YORK REGIONAL ROAD NO 32**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SEVERN RIVER**

STATION ID **03-0077-030-02**
STORET CODE **02**
**002**
**2720**

LAT LONG U T M **17 0618450.0 4892850.0 4** REGION **03** DISTANCE **122.780**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 08 1230 | | | 3 | 1 | 28007 | 4 | 340 | 1500 | 10I | 10I | 1.0 | 10.4 | 1.6 | 0.240 |
| 80 02 04 1245 | | | 3 | 1 | 28020 | 4 | 80I | 180 | 4< | 4< | 1.0 | 7.6 | 1.6 | 0.246 |
| 80 03 05 1300 | | | 3 | 1 | 28033 | 4 | 120 | 330 | 4 | 4< | 1.0 | 7.0 | 5.2 | 0.235 |
| 80 04 09 1200 | | | 3 | 1 | 28046 | 6 | 4400 | 7600 | 20 | 116 | 10.0 | 7.0 | 2.8 | 0.365 |
| 80 05 08 1120 | | | 3 | 1 | 28059 | 6 | 60I | 820 | 4< | 4 | 12.0 | 9.2 | 4.0 | 0.139 |
| 80 05 23 | | | 3 | 1 | 28067 | 8 | | | | | | | | |
| 80 06 06 1000 | | | 3 | 1 | 28077 | 6 | | 9200 | 24 | 140 | 16.5 | 9.2 | 5.0 | 0.200 |
| 80 07 03 1130 | | | 3 | 1 | 28090 | 6 | 1540C | 10200 | 40I | 890 | 21.0 | 8.6 | 7.6 | 0.505 |
| 80 08 12 1230 | | | 3 | 1 | 28103 | 6 | 1000 | 4100 | 60I | 40I | 24.0 | 8.4 | 4.0 | 0.223 |
| 80 09 03 1300 | | | 3 | 1 | 28116 | 6 | | 74000 | 120 | 210 | 23.0 | 7.2 | 4.0 | 0.238 |
| 80 10 02 1315 | | | 3 | 1 | 28129 | 6 | 1300 | 8500 | 10< | 90I | 17.0 | 12.0 | 5.0 | 0.155 |
| 80 10 27 | | | 3 | 1 | 28137 | 8 | | | | | | | | |
| 80 11 14 1130 | | | 3 | 1 | 28147 | 6 | 100 | 4500 | 10 | 30I | 3.0 | 9.4 | 2.0 | 0.100 |
| 80 12 02 1300 | | | 3 | 1 | 28160 | 4 | 15000> | 15000> | 230 | 790 | 1.0 | 8.3 | 3.0 | 0.200 |
| MAXIMUM | | | | | | | 15000> | 74000> | 230 | 890 | 24.0 | 12.0 | 7.6 | 0.505 |
| ARITH MEAN | | | | | | | 2394G | 11327G | 46L | 194L | 10.9 | 8.7 | 3.8 | 0.237 |
| GEOM MEAN | | | | | | | 661G | 3800G | 19L | 48L | 6.7 | 8.6 | 3.4 | 0.218 |
| MINIMUM | | | | | | | 80 | 180 | 4< | 4< | 1.0 | 7.0 | 1.6 | 0.100 |
| STD DEV | | | | | | | 4822G | 20271G | 67L | 309L | 9.3 | 1.5 | 1.8 | 0.107 |
| NO OF SAMPLES | | | | | | | 10 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 08 1230 | | | 3 | 1 | 0.190 | 0.390 | 1.380 | 0.047 | 4.550 | 4.987 | 0.990 | 5.977 | 608.0 | 21.0 |
| 80 02 04 1245 | | | 3 | 1 | 0.155 | 1.240 | 2.320 | 0.031 | 2.540 | 3.811 | 1.080 | 4.891 | 529.0 | 8.0 |
| 80 03 05 1300 | | | 3 | 1 | 0.079 | 1.850 | 3.450 | 0.024 | 2.730 | 4.604 | 1.600 | 6.204 | 630.0 | 5.0 |
| 80 04 09 1200 | | | 3 | 1 | 0.220 | 0.600 | 2.100 | 0.045 | 2.750 | 3.395 | 1.500 | 4.895 | 239.0 | 34.0 |
| 80 05 08 1120 | | | 3 | 1 | 0.002 | 0.014 | 1.400 | 0.033 | 0.970 | 1.017 | 1.386 | 2.403 | 459.0 | 23.0 |
| 80 06 06 1000 | | | 3 | 1 | 0.043 | 0.008 | 1.400 | 0.002 | 0.005< | 0.015 | 1.392 | 1.407 | 427.0 | 29.0 |
| 80 07 03 1130 | | | 3 | 1 | 0.205 | 0.306 | 3.45 | 0.060 | 0.350 | 0.716 | 3.144 | 3.860 | 451 | 37 |
| 80 08 12 1230 | | | 3 | 1 | 0.033 | 0.006 | 1.550 | 0.002 | 0.003 | 0.011 | 1.544 | 1.555 | 397.0 | 25.0 |
| 80 09 03 1300 | | | 3 | 1 | 0.105 | 0.014 | 1.420 | 0.034 | 0.841 | 0.889 | 1.406 | 2.295 | 437.0 | 21.0 |
| 80 10 02 1315 | | | 3 | 1 | 0.027 | 0.286 | 1.90 | 0.090 | 1.06 | 1.436 | 1.614 | 3.050 | 447 | 24 |
| 80 11 14 1130 | | | 3 | 1 | 0.051 | 0.85 | 1.52 | 0.033 | 1.52 | 2.403 | 0.670 | 3.073 | 444 | 7 |
| 80 12 02 1300 | | | 3 | 1 | 0.135 | 1.180 | 2.020 | 0.033 | 1.670 | 2.883 | 0.840 | 3.723 | 483.0 | 21.0 |
| MAXIMUM | | | | | 0.220 | 1.850 | 3.46 | 0.090 | 4.550 | 4.987 | 3.144 | 6.204 | 630.0 | 37 |
| ARITH MEAN | | | | | 0.104 | 0.56 | 1.90 | 0.038 | 1.58 L | 2.181 | 1.430 | 3.611 | 462 | 21 |
| GEOM MEAN | | | | | 0.066 | 0.16 | 1.88 | 0.024 | 0.56 L | 0.908 | 1.330 | 3.260 | 451 | 18 |
| MINIMUM | | | | | 0.002 | 0.006 | 1.380 | 0.002 | 0.003< | 0.011 | 0.670 | 1.407 | 239.0 | 5.0 |
| STD DEV | | | | | 0.076 | 0.60 | 0.75 | 0.024 | 1.35 L | 1.746 | 0.623 | 1.611 | 100 | 10 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH | ASUT | HGUT | ALUT | CRUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU |
| 80 01 08 1230 | | | 3 | 1 | 587.0 | 840.0 | 65.000 | 7.66 | 7.5 | | 0.050 | | | |
| 80 02 04 1245 | | | 3 | 1 | | 820.0 | 73.000 | 7.62 | 7.5 | | | | | |
| 80 03 05 1300 | | | 3 | 1 | | 1010.0 | 103.000 | 7.68 | 7.5 | | | | | |
| 80 04 09 1200 | | | 3 | 1 | | 515.0 | 50.500 | 7.79 | | | 0.020 | | | |
| 80 05 08 1120 | | | 3 | 1 | | 650.0 | 51.000 | 8.36 | 8.4 | | 0.020< | | | |
| 80 05 23 | | | 3 | 1 | | | | | | 0.001< | | 0.060 | 0.060 | 0.010< |
| 80 06 06 1000 | | | 3 | 1 | 398.0 | 650.0 | 63.000 | 8.49 | 8.5 | | 0.050< | | | |
| 80 07 03 1130 | | | 3 | 1 | 414 | 650 | 75.0 | 7.92 | 8.4 | | 0.02 < | | | |
| 80 08 12 1230 | | | 3 | 1 | 372.0 | 550.0 | 39.000 | 8.08 | 8.4 | | 0.040< | | | |
| 80 09 03 1300 | | | 3 | 1 | 416.0 | 640.0 | 56.000 | 7.79 | 8.0 | | 0.030< | | | |
| 80 10 02 1315 | | | 3 | 1 | 423 | 700 | 64.0 | 8.09 | 8.7 | | 0.03 < | | | |
| 80 10 27 | | | 3 | 1 | | | | | | 0.001< | | 0.270 | 0.004 | 0.001< |
| 80 11 14 1130 | | | 3 | 1 | 437 | 730 | 60 | | 7.8 | | 0.07 | | | |
| 80 12 02 1300 | | | 3 | 1 | 462.0 | 770.0 | 72.000 | 7.78 | | | 0.04 < | | | |
| MAXIMUM | | | | | 587.0 | 1010.0 | 103.000 | 8.49 | 8.7 | 0.001 | 0.07 | 0.270 | 0.060 | 0.010 |
| ARITH MEAN | | | | | 438 | 710 | 64 | 7.93 | 8.1 | 0.001L | 0.03 L | 0.165 | 0.032 | 0.006L |
| GEOM MEAN | | | | | 434 | 689 | 62 | 7.93 | 8.1 | 0.001L | 0.03 L | 0.127 | 0.015 | 0.003L |
| MINIMUM | | | | | 372.0 | 515.0 | 39.000 | 7.62 | 7.5 | 0.001< | 0.020< | 0.060 | 0.004 | 0.001< |
| STD DEV | | | | | 65 | 136 | 16 | 0.29 | 0.5 | 0.000L | 0.01 L | 0.148 | 0.040 | 0.006L |
| NO OF SAMPLES | | | | | 8 | 12 | 12 | 11 | 10 | 2 | 10 | 2 | 2 | 2 |

| TEST-NAME: | | | | | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 05 23 | | | 3 | 1 | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020< |
| 80 10 27 | | | 3 | 1 | 0.003< | 0.0002< | 0.006 | 0.002< | 0.002< |
| MAXIMUM | | | | | 0.030 | 0.005 | 0.010 | 0.020 | 0.020 |
| ARITH MEAN | | | | | 0.016L | 0.002 L | 0.008L | 0.011L | 0.011L |
| GEOM MEAN | | | | | 0.009L | 0.001 L | 0.008L | 0.006L | 0.006L |
| MINIMUM | | | | | 0.003< | 0.0002< | 0.006< | 0.002< | 0.002< |
| STD DEV | | | | | 0.019L | 0.003 L | 0.003L | 0.013L | 0.013L |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 |

B O W / SITE **BLACK RIVER**
SAMPLE POINT **AT HIGHWAY NO 169**
STATION TYPE **RIVER FLOW GAUGE FED RECORD**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SEVERN RIVER**

STATION ID **03-0077-031-02**
STORET CODE **02**
**002**
**2720**

LAT: LONG: U T M **17 0636150.0 4952400.0 4** REGION **03** DISTANCE **08.234**

| TEST-NAME | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 15 1530 | | | 3 | 1 | 22047 | 6 | 32 000 | 180 | 370 | 4 | 4< | 1 0 | 11 4 | 0 015 |
| 80 02 19 1400 | | | 3 | 1 | 22119 | 4 | 11 400 | 50I | 290 | 10 | 8 | 0 0 | 12 1 | 0 013 |
| 80 03 18 1600 | | | 3 | 1 | 22166 | 4 | 9 000 | | | | | 0 0 | 10 6 | 0 016 |
| 80 04 15 1530 | | | 3 | 1 | 22218 | 6 3 | 126 000 | 400 | 2500 | 12 | 28 | 4 0 | 12 0 | 0 068 |
| 80 05 22 1600 | | | 3 | 1 | 22268 | 6 | 14 700 | 250 | 2500 | 12 | 8 | 18 0 | 8 4 | 0 019 |
| 80 06 24 1420 | | | 3 | 1 | 22318 | 6 | 28 300 | 290C | 7200 | 22 | 2< | 18 1 | 7 8 | 0 027 |
| 80 07 22 1600 | | | 3 | 1 | 22360 | 6 | 16 000 | | | | | 22 9 | 8 7 | 0 025 |
| 80 08 13 1620 | | | 3 | 1 | 22420 | 6 | 15 600 | 80 | 6800 | 20 | 44 | 21 7 | 6 3 | 0 028 |
| 80 09 24 1450 | | | 3 | 1 | 22468 | 6 | 14 300 | 1700 | 9000 | 190 | 140 | 14 1 | 8 5 | 0 022 |
| 80 10 22 1435 | | | 3 | 1 | 22518 | 6 | 27 500 | 320 | 3400 | 10< | 70I | 7 1 | 10 9 | |
| 80 11 25 1050 | | | 3 | 1 | 22556 | 6 | 27 800 | 460 | 1540 | 10< | 30I | 0 8 | 10 4 | 0 015 |
| 80 12 17 1100 | | | 3 | 1 | 22613 | 8 | 32 000 | 200 | 1200 | 4< | 12 | | | 0 011 |
| MAXIMUM | | | | | | | 126.000 | 1700 | 9000 | 190 | 140 | 22.9 | 12.1 | 0.068 |
| ARITH MEAN | | | | | | | 29.650 | 393 | 3480 | 29L | 35L | 9.8 | 9.7 | 0.024 |
| GEOM MEAN | | | | | | | 22.288 | 252 | 2123 | 13L | 17L | 5.0 | 9.6 | 0.021 |
| MINIMUM | | | | | | | 9.000 | 80 | 290 | 4< | 2< | 0.0 | 6.3 | 0.011 |
| STD DEV | | | | | | | 31.488 | 477 | 3092 | 57L | 43L | 9.3 | 1.9 | 0.016 |
| NO OF SAMPLES | | | | | | | 12 | 10 | 10 | 10 | 10 | 11 | 11 | 11 |

| TEST-NAME | | | | | NNHTFR | COND25 | PH | FWPH | HGUT | ALUT | CRUT | CUUT | PBUT | CDUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NH3-N TOTAL FIL.REAC MG/L AS N | CONDUCT 25C UMHO/CM AT 25 C | PH | PH FIELD | MERCURY UNF.TOT. μG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD |
| 80 01 15 1530 | | | 3 | 1 | 0 014 | 101 0 | 8 01 | 6 9 | 0 020< | | | | | |
| 80 02 19 1400 | | | 3 | 1 | 0 110 | 112 0 | 7 13 | 6 8 | | | | | | |
| 80 03 18 1600 | | | 3 | 1 | 0 160 | 102 0 | 6 97 | 6 7 | | | | | | |
| 80 04 15 1530 | | | 3 | 1 | 0 044 | 58 0 | 7 13 | 6 6 | 0 020< | | | | | |
| 80 05 22 1600 | | | 3 | 1 | 0 018 | 120 0 | 7 67 | 7 0 | | 0 020< | 0.020< | 0 010< | 0 030< | 0 005< |
| 80 06 24 1420 | | | 3 | 1 | 0 039 | 85 0 | 7 26 | 6 9 | | | | | | |
| 80 07 22 1600 | | | 3 | 1 | 0 046 | 65 0 | 7 37 | 6 7 | | | | | | |
| 80 08 13 1620 | | | 3 | 1 | 0 040 | 90 0 | 7 34 | 6 5 | | | | | | |
| 80 09 24 1450 | | | 3 | 1 | 0 040 | 81 | 7 44 | | | | | | | |
| 80 10 22 1435 | | | 3 | 1 | | | | 6 6 | | | | | | |
| 80 11 25 1050 | | | 3 | 1 | 0 040 | 90 0 | 7 34 | 7 4 | | | | | | |
| 80 12 17 1100 | | | 3 | 1 | 0 044 | 88 0 | 7 78 | | | | | | | |
| MAXIMUM | | | | | 0.160 | 120.0 | 8.01 | 7.4 | 0.020 | 0.020 | 0.020 | 0.010 | 0.030 | 0.005 |
| ARITH MEAN | | | | | 0.064 | 90 | 7.40 | 6.8 | 0.020L | 0.020L | 0.020L | 0.010L | 0.030L | 0.005L |
| GEOM MEAN | | | | | 0.043 | 88 | 7.40 | 6.8 | 0.020L | | | | | |
| MINIMUM | | | | | 0.014 | 58.0 | 6.97 | 6.5 | 0.020< | 0.020< | 0.020< | 0.010< | 0.030< | 0.005< |
| STD DEV | | | | | 0.043 | 18 | 0.31 | 0.3 | 0.000L | | | | | |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 10 | 2 | 1 | 1 | 1 | 1 | 1 |

| TEST-NAME | | | | | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 05 22 1600 | | | 3 | 1 | 0 010< | 0 020< | 0 020< |
| MAXIMUM | | | | | 0.010 | 0.020 | 0.020 |
| ARITH MEAN | | | | | 0.010L | 0.020L | 0.020L |
| GEOM MEAN | | | | | | | |
| MINIMUM | | | | | 0.010< | 0.020< | 0.020< |
| STD DEV | | | | | | | |
| NO OF SAMPLES | | | | | 1 | 1 | 1 |

B O W / SITE **UXBRIDGE BROOK**
SAMPLE POINT **DOWNSTREAM OF BROOKDALE LAKE UXBRIDGE**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SEVERN RIVER**

STATION ID **03-0077-032-02**
STORET CODE **02**
**002**
**2720**

LAT: LONG: U T M **17 0652250.0 4884000.0 4** REGION **03** DISTANCE **140.080**

| TEST-NAME | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 15 1000 | | | 3 | 1 | 22040 | 6 8 | 1480C | 1800 | 24 | 212 | 3 5 | 13 2 | 0 6 | 0 046 |
| 80 02 19 0930 | | | 3 | 1 | 22112 | 6 | 10I | 160 | 4< | 4< | 3 0 | 12 2 | 0 2 | 0 019 |
| 80 03 18 0945 | | | 3 | 1 | 22159 | 6 | | | | | 0.0 | 11 6 | 3 6 | 0 198 |
| 80 04 15 0945 | | | 3 | 1 | 22211 | 6 | 70I | 320 | 10I | 10I | 5 5 | 11 2 | 0 4 | 0 021 |
| 80 05 22 1000 | | | 3 | 1 | 22261 | 6 | 40C | 4900 | 4 | 4 | 15.0 | 9 2 | 0 8 | 0 020 |
| 80 06 24 0950 | | | 3 | 1 | 22311 | 6 | 40C | 9600 | 2< | 2 | 17 2 | 8 8 | 0 6 | 0 018 |
| 80 07 22 1015 | | | 3 | 1 | 22351 | 6 | | | | | 19 0 | 8 5 | 1 0 | 0 028 |
| 80 08 13 1000 | | | 3 | 1 | 22411 | 6 | 700I | 3500 | 10I | 220 | 17 0 | 8 0 | 1 0 | 0 018 |
| 80 09 24 0945 | | | 3 | 1 | 22461 | 6 | 420 | 5400 | 10I | 90 | 11 4 | 10 0 | 0 7 | 0 012 |
| 80 10 22 1000 | | | 3 | 1 | 22511 | 6 | 100I | 980 | 10< | 40I | 7 1 | 11 6 | | |
| 80 11 25 1615 | | | 3 | 1 | 22563 | 6 | 420 | 220 | 4< | 20 | 2 1 | 10 1 | 0 8 | 0 058 |
| 80 12 17 1540 | | | 3 | 1 | 22620 | 8 | 300 | 2400 | 4< | 4< | | | 1 0 | 0 031 |
| MAXIMUM | | | | | | | 1480 | 9600 | 24 | 220 | 19.0 | 13.2 | 3.6 | 0.198 |
| ARITH MEAN | | | | | | | 368 | 2828 | 8L | 61L | 9.2 | 10.4 | 1.0 | 0.043 |
| GEOM MEAN | | | | | | | 161 | 1455 | 8L | 18L | 6.6 | 10.3 | 0.8 | 0.029 |
| MINIMUM | | | | | | | 10 | 160 | 2< | 2< | 0.0 | 8.0 | 0.2 | 0.012 |
| STD DEV | | | | | | | 485 | 3018 | 8L | 86L | 7.0 | 1.7 | 0.9 | 0.053 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 11 | 11 | 11 | 11 |

(CONTD)

B O W / SITE **UXBRIDGE BROOK**
SAMPLE POINT **DOWNSTREAM OF BROOKDALE LAKE UXBRIDGE**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SEVERN RIVER**

STATION ID **03-0077-032-02**
STORET CODE **02**
**002**
**2720**

LAT LONG U T M **17 0652250.0 4894000.0 4** REGION **03** DISTANCE **140.000**

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 15 1000 | | | 3 | 1 | 0.018 | 0.072 | 0.360 | 0.012 | 1.390 | 1.474 | 0.288 | 1.762 | 248.0 | 4.0 |
| 80 02 19 0930 | | | 3 | 1 | 0.005 | 0.062 | 0.210 | 0.014 | 1.590 | 1.666 | 0.148 | 1.814 | 264.0 | 4.0 |
| 80 03 18 0945 | | | 3 | 1 | 0.036 | 0.376 | 1.380 | 0.029 | 1.470 | 1.875 | 1.004 | 2.879 | 241.0 | 62.0 |
| 80 04 15 0945 | | | 3 | 1 | 0.006 | 0.060 | 0.300 | 0.012 | 1.190 | 1.262 | 0.240 | 1.502 | 286.0 | 6.0 |
| 80 05 22 1000 | | | 3 | 1 | 0.003 | 0.036 | 0.270 | 0.014 | 0.751 | 0.801 | 0.234 | 1.035 | 240.0 | 6.0 |
| 80 06 24 0950 | | | 3 | 1 | 0.002 | 0.031 | 0.250 | 0.022 | 0.930 | 0.983 | 0.219 | 1.202 | 249.0 | 2.0 |
| 80 07 22 1015 | | | 3 | 1 | 0.001 | 0.076 | 0.410 | 0.020 | 0.760 | 0.856 | 0.334 | 1.190 | 245.0 | 4.0 |
| 80 08 13 1000 | | | 3 | 1 | 0.002 | 0.024 | 0.240 | 0.017 | 0.940 | 0.981 | 0.216 | 1.197 | 254.0 | 4.0 |
| 80 09 24 0945 | | | 3 | 1 | 0.002 | 0.020 | 0.25 | 0.016 | 1.03 | 1.066 | 0.230 | 1.296 | 249 | 2 |
| 80 11 25 1615 | | | 3 | 1 | 0.013 | 0.268 | 0.650 | 0.008 | 1.550 | 1.826 | 0.382 | 2.208 | 283.0 | 29.0 |
| 80 12 17 1540 | | | 3 | 1 | 0.010 | 0.198 | 0.480 | 0.008 | 1.640 | 1.846 | 0.282 | 2.128 | 279.0 | 25.0 |
| MAXIMUM | | | | | 0.036 | 0.376 | 1.380 | 0.029 | 1.640 | 1.875 | 1.004 | 2.879 | 286.0 | 62.0 |
| ARITH MEAN | | | | | 0.009 | 0.111 | 0.43 | 0.016 | 1.20 | 1.331 | 0.325 | 1.656 | 258 | 13 |
| GEOM MEAN | | | | | 0.005 | 0.071 | 0.36 | 0.015 | 1.15 | 1.270 | 0.283 | 1.576 | 257 | 6 |
| MINIMUM | | | | | 0.001 | 0.020 | 0.210 | 0.008 | 0.751 | 0.801 | 0.148 | 1.035 | 240.0 | 2.0 |
| STD DEV | | | | | 0.010 | 0.118 | 0.33 | 0.006 | 0.33 | 0.420 | 0.234 | 0.569 | 17 | 18 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 15 1000 | | | 3 | 1 | 244.000 | 375.0 | 6.150 | 7.98 | 7.8 |
| 80 02 19 0930 | | | 3 | 1 | 260.000 | 400.0 | 5.800 | 7.96 | 7.8 |
| 80 03 18 0945 | | | 3 | 1 | 179.000 | 275.0 | 14.500 | 7.88 | 7.2 |
| 80 04 15 0945 | | | 3 | 1 | 280.000 | 430.0 | 5.400 | 8.09 | 7.4 |
| 80 05 22 1000 | | | 3 | 1 | 234.000 | 360.0 | 5.600 | 8.15 | 7.2 |
| 80 06 24 0950 | | | 3 | 1 | 247.000 | 380.0 | 5.150 | 8.18 | 7.5 |
| 80 07 22 1015 | | | 3 | 1 | 241.000 | 370.0 | 6.450 | 8.02 | 7.3 |
| 80 08 13 1000 | | | 3 | 1 | 250.000 | 385.0 | 5.600 | 8.14 | 7.8 |
| 80 09 24 0945 | | | 3 | 1 | 247 | 380 | 5.50 | 8.14 | |
| 80 10 22 1000 | | | 3 | 1 | | | | | 7.6 |
| 80 11 25 1615 | | | 3 | 1 | | 420.0 | 5.900 | 8.12 | 7.6 |
| 80 12 17 1540 | | | 3 | 1 | 254.0 | 435.0 | 5.800 | 8.24 | |
| MAXIMUM | | | | | 280.000 | 435.0 | 14.500 | 8.24 | 7.8 |
| ARITH MEAN | | | | | 243 | 382 | 6.53 | 8.06 | 7.5 |
| GEOM MEAN | | | | | 242 | 380 | 6.22 | 8.06 | 7.5 |
| MINIMUM | | | | | 179.000 | 275.0 | 5.150 | 7.88 | 7.2 |
| STD DEV | | | | | 25 | 43 | 2.66 | 0.11 | 0.2 |
| NO OF SAMPLES | | | | | 10 | 11 | 11 | 11 | 10 |

B O W / SITE **MUSQUASH RIVER**
SAMPLE POINT **HWY 69 2.5 MILES N.OF HWY.000000**
STATION TYPE **RIVER FLOW GAUGE FED 02EB012**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **MUSKOKA RIVER**

STATION ID **03-0085-001-02**
STORET CODE **02**
**002**
**2980**

LAT LONG U T M **17 0595800.0 4986025.0 4** REGION **03** DISTANCE **10.000**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 16 0930 | | | 3 | 1 | 20307 | 6 | 99.200 | 10< | 30 | 4< | 4< | 2.0 | 10.6 | 0.044 |
| 80 02 25 1000 | | | 3 | 1 | 20315 | 6 | 64.200 | 4< | 4 | 2< | 2< | 1.0 | 11.0 | 0.001 |
| 80 04 01 1005 | | | 3 | 1 | 20323 | 8 6 | 108.000 | 20 | 116 | 4< | 4< | 5.0 | 10.4 | 0.004 |
| 80 04 21 1015 | | | 3 | 1 | 20331 | 6 8 3 | 105.000 | 24 | 64 | 2< | 10< | 5.5 | 10.8 | |
| 80 06 17 0955 | | | 3 | 1 | 20333 | 6 | 11.700 | 296C | 1840 | 6 | 2< | 11.0 | 7.0 | 0.005 |
| 80 07 23 0923 | | | 3 | 1 | 20341 | 6 | 32.500 | | | | | 22.0 | 6.0 | 0.006 |
| 80 08 28 0910 | | | 3 | 1 | 20349 | 8 6 | 28.300 | 70I | 1100 | 4< | 8 | 8.6 | 6.2 | 0.005 |
| 80 09 29 1002 | | | 3 | 1 | 20357 | 8 6 | 2.700 | 10I | 120 | 4< | 4< | 15.0 | 6.2 | 0.003 |
| 80 10 27 1059 | | | 3 | 1 | 20365 | 6 3 | 105.000 | 50I | 40 | 4< | 4< | 8.0 | 7.2 | 0.006 |
| 80 11 25 1006 | | | 3 | 1 | 20373 | 6 8 | 44.200 | 10< | 70 | 4< | 4< | 5.0 | 10.0 | 0.007 |
| 80 12 10 0952 | | | 3 | 1 | 20381 | 6 | 98.700 | | | | | 2.0 | 10.4 | 0.018 |
| MAXIMUM | | | | | | | 108.000 | 296 | 1840 | 6 | 10 | 22.0 | 11.0 | 0.044 |
| ARITH MEAN | | | | | | | 63.691 | 56L | 376 | 4L | 5L | 7.7 | 8.7 | 0.010 |
| GEOM MEAN | | | | | | | 43.132 | 23L | 95 | 4L | 4L | 5.5 | 8.5 | 0.006 |
| MINIMUM | | | | | | | 2.700 | 4< | 4 | 2< | 2< | 1.0 | 6.0 | 0.001 |
| STD DEV | | | | | | | 41.099 | 93L | 648 | 1L | 3L | 6.3 | 2.1 | 0.013 |
| NO OF SAMPLES | | | | | | | 11 | 9 | 9 | 9 | 9 | 11 | 11 | 10 |

(CONTD)

| TEST-NAME: | | | | NNHTFR | COND25 | SSO4UR | ALKT | PH | FWPH | ASUT | ALUT | CRUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NH3-N TOTAL FIL.REAC MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU |
| 80 01 16 0930 | | | .3 | 1 | 0.016 | | 9.500 | 6 | | | | | | |
| 80 02 25 1000 | | | .3 | 1 | 0.018 | 47.0 | 10.500 | 8.0 | 6.74 | 6.3 | | | | |
| 80 04 01 1005 | | | .3 | 1 | 0.008 | 46.0 | 9.500 | 8.0 | 6.75 | 6.8 | | | | |
| 80 04 21 1015 | | | .3 | 1 | | | | | | 6.0 | | | | |
| 80 06 17 0955 | | | .3 | 1 | 0.016 | 45.0 | 9.500 | 8.0 | 7.01 | 6.4 | 0.001< | 0.020< | | 0.010< |
| 80 07 23 0923 | | | .3 | 1 | 0.036 | 45.0 | 8.000 | 9.0 | 6.92 | 6.8 | | | | |
| 80 08 28 0910 | | | 3 | 1 | 0.018 | 46 | 8.5 | 8 | 6.92 | 6.6 | | | | |
| 80 09 29 1002 | | | 3 | 1 | 0.018 | 48.0 | 9.000 | 7.0 | 6.79 | 6.4 | | | | |
| 80 10 27 1059 | | | 3 | 1 | 0.008 | 44 | 9.5 | 9 | 6.63 | 6.8 | 0.001< | 0.03 | 0.002< | 0.001< |
| 80 11 25 1006 | | | 3 | 1 | 0.014 | | | 7.0 | 6.59 | 6.0 | | | | |
| 80 12 10 0952 | | | 3 | 1 | 0.010 | 45.0 | 9.500 | 7.0 | 6.61 | 6.8 | | | | |
| MAXIMUM | | | | | 0.036 | 48.0 | 10.500 | 9.0 | 7.01 | 6.8 | 0.001 | 0.03 | 0.002 | 0.010 |
| ARITH MEAN | | | | | 0.018 | 46 | 9.2 | 7 | 6.77 | 6.5 | 0.001L | 0.02 L | 0.002L | 0.006L |
| GEOM MEAN | | | | | 0.016 | 46 | 9.2 | 7 | 6.77 | 6.5 | 0.001L | 0.02 L | | 0.003L |
| MINIMUM | | | | | 0.008 | 44 | 8.000 | 6 | 6.59 | 6.0 | 0.001< | 0.020< | 0.002< | 0.001< |
| STD DEV | | | | | 0.008 | 1 | 0.7 | 0 | 0.15 | 0.3 | 0.000L | 0.00 L | | 0.006L |
| NO OF SAMPLES | | | | | 10 | 8 | 9 | 10 | 9 | 10 | 2 | 2 | 1 | 2 |

| TEST-NAME: | | | | | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 06 17 0955 | | | 3 | 1 | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020< |
| 80 10 27 1059 | | | 3 | 1 | 0.003< | 0.0002< | 0.001< | 0.002< | 0.002< |
| MAXIMUM | | | | | 0.030 | 0.005 | 0.010 | 0.020 | 0.020 |
| ARITH MEAN | | | | | 0.016L | 0.002 L | 0.005L | 0.011L | 0.011L |
| GEOM MEAN | | | | | 0.009L | 0.001 L | 0.003L | 0.006L | 0.006L |
| MINIMUM | | | | | 0.003< | 0.0002< | 0.001< | 0.002< | 0.002< |
| STD DEV | | | | | 0.019L | 0.003 L | 0.006L | 0.013L | 0.013L |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 |

| | | |
|---|---|---|
| B.O.W./ SITE: **ROSSEAU LAKE OUTLET**<br>SAMPLE POINT: **HIGHWAY 118 PORT CARLING**<br>STATION TYPE: **RIVER** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE HURON**<br>TERM STREAM: **MUSKOKA RIVER** | STATION ID: **03-0085-002-02**<br>STORET CODE: **02**<br>**002**<br>**2980** |
| LAT: LONG: | U T M **17 0611945.0 4997050.0 4** | REGION: **03** DISTANCE: **55.380** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 16 1015 | | | .3 | 1 | 20300 | 6 | 10< | 10 | 4< | 4< | 2.0 | 9.6 | 0.2 | 0.002 |
| 80 02 25 1055 | | | .3 | 1 | 20308 | 6 | 4< | 4 | 2< | 2< | 1.5 | 9.4 | 0.2 | 0.003 |
| 80 04 01 1045 | | | 3 | 1 | 20316 | 6 | 12 | 40 | 4< | 4< | 4.0 | 9.8 | 0.2 | 0.006 |
| 80 04 21 1100 | | | .3 | 1 | 20324 | 9 3 | 4 | 4 | 2< | 2< | 6.0 | 9.4 | | |
| 80 06 17 1045 | | | 3 | 1 | 20335 | 6 | 8 | 316 | 2< | 2< | 11.0 | 6.6 | 0.6 | 0.007 |
| 80 07 23 1006 | | | 3 | 1 | 20343 | 5 | | | | | 24.0 | 6.4 | 0.2 | 0.006 |
| 80 08 28 0954 | | | 3 | 1 | 20351 | 6 | 1400C | 6000 | 4< | 16 | 23.5 | 6.8 | 0.6 | 0.008 |
| 80 09 29 1046 | | | 3 | 1 | 20359 | 5 | 50I | 60 | 4 | 4< | 9.5 | 6.8 | 0.5 | 0.006 |
| 80 10 27 1145 | | | .3 | 1 | 20367 | 6 | 600 | 280 | 4< | 16 | 8.0 | 7.2 | 0.2 | 0.006 |
| 80 11 25 1055 | | | 3 | 1 | 20375 | 6 8 | 4 | 184 | 4< | 4< | 4.0 | 10.6 | 0.4 | 0.008 |
| 80 12 10 1052 | | | .3 | 1 | 20383 | 6 | | | | | 3.0 | 9.6 | 0.2< | 0.006 |
| MAXIMUM | | | | | | | 1400 | 6000 | 4 | 16 | 24.0 | 10.6 | 0.6 | 0.008 |
| ARITH MEAN | | | | | | | 232L | 766 | 3L | 6L | 8.9 | 8.4 | 0.3L | 0.006 |
| GEOM MEAN | | | | | | | 24L | 69 | 3L | 4L | 6.1 | 8.2 | 0.3L | 0.005 |
| MINIMUM | | | | | | | 4< | 4 | 2< | 2< | 1.5 | 6.4 | 0.2< | 0.002 |
| STD DEV | | | | | | | 478L | 1986 | 1L | 6L | 8.0 | 1.6 | 0.2L | 0.002 |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 11 | 11 | 10 | 10 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 16 1015 | | | .3 | 1 | 0.002 | 0.022 | 0.180 | 0.003 | 0.292 | 0.317 | 0.158 | 0.475 | 36.00 | 0.30 |
| 80 02 25 1055 | | | .3 | 1 | 0.001 | 0.022 | 0.210 | 0.002 | 0.293 | 0.317 | 0.188 | 0.505 | 31.00 | 0.10< |
| 80 04 01 1045 | | | .3 | 1 | 0.001< | 0.018 | 0.190 | 0.001 | 0.309 | 0.328 | 0.172 | 0.500 | 30.00 | 0.30 |
| 80 06 17 1045 | | | .3 | 1 | 0.001 | 0.012 | 0.270 | 0.003 | 0.252 | 0.267 | 0.258 | 0.525 | 32.00 | 1.00 |
| 80 07 23 1006 | | | .3 | 1 | 0.001< | 0.036 | 0.230 | 0.004 | 0.181 | 0.221 | 0.194 | 0.415 | 37.00 | 1.00 |
| 80 08 28 0954 | | | .3 | 1 | 0.001 | 0.016 | 0.24 | 0.003 | 0.127 | 0.146 | 0.224 | 0.370 | 34 | 2 |
| 80 09 29 1046 | | | .3 | 1 | 0.001< | 0.030 | 0.240 | 0.003 | 0.192 | 0.225 | 0.210 | 0.435 | 32.00 | 1.00 |
| 80 10 27 1145 | | | .3 | 1 | 0.001< | 0.014 | 0.20 | 0.001 | 0.244 | 0.259 | 0.186 | 0.445 | 30 | 0.8 |
| 80 11 25 1055 | | | .3 | 1 | 0.001 | 0.020 | 0.200 | 0.001 | 0.069 | 0.090 | 0.180 | 0.270 | 32.00 | 1.00 |
| 80 12 10 1052 | | | .3 | 1 | 0.004 | 0.022 | 0.250 | 0.002 | 0.268 | 0.292 | 0.228 | 0.520 | 31.00 | 1.00 |
| MAXIMUM | | | | | 0.004 | 0.036 | 0.270 | 0.004 | 0.309 | 0.328 | 0.258 | 0.525 | 37.00 | 2 |
| ARITH MEAN | | | | | 0.001L | 0.021 | 0.22 | 0.002 | 0.223 | 0.246 | 0.200 | 0.446 | 32 | 0 L |
| GEOM MEAN | | | | | 0.001L | 0.020 | 0.21 | 0.002 | 0.206 | 0.231 | 0.198 | 0.438 | 32 | 0 L |
| MINIMUM | | | | | 0.001< | 0.012 | 0.180 | 0.001 | 0.069 | 0.090 | 0.158 | 0.270 | 30.00 | 0.10< |
| STD DEV | | | | | 0.001L | 0.007 | 0.02 | 0.001 | 0.079 | 0.078 | 0.030 | 0.079 | 2 | 0 L |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

(CONTD)

B O W / SITE: **ROSSEAU LAKE OUTLET**
SAMPLE POINT: **HIGHWAY 118 PORT CARLING**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **MUSKOKA RIVER**

STATION ID: **03-0085-002-02**
STORET CODE: **02**
**002**
**2980**

LAT LONG U T M: **17 0611945.0 4997050.0 4** REGION: **03** DISTANCE: **55.380**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RSF<br>RESIDUE FILTERED MG/L | COND25<br>CONDUCT. 25C UMHO/CM AT 25 C | CLIDUR<br>CHLORIDE UNF.REAC MG/L AS CL | SSO4UR<br>SULPHATE UNF.REAC MG/L AS SO4 | ALKT<br>ALK TOTAL MG/L AS CACO3 | PH<br>PH | FWPH<br>PH FIELD | ASUT<br>ARSENIC UNF.TOT. MG/L AS AS | ALUT<br>ALUMINUM UNF.TOT. MG/L AS AL | CRUT<br>CHROMIUM UNF.TOT. MG/L AS CR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 16 1015 | | | 3 | 1 | 36.000 | 55.0 | 2.700 | 9.000 | 7 | 6.97 | | | | |
| 80 02 25 1055 | | | 3 | 1 | 31.000 | 48.0 | 2.900 | 9.500 | 8.0 | 6.60 | 6.7 | | | |
| 80 04 01 1045 | | | 3 | 1 | 30.000 | 46.0 | 2.750 | 9.000 | 6.0 | 6.52 | 6.9 | | | |
| 80 04 21 1100 | | | 3 | 1 | | | | | | | 5.9 | | | |
| 80 06 17 1045 | | | 3 | 1 | 31.000 | 47.0 | 2.850 | 9.500 | 8.0 | 7.20 | 6.3 | 0.001< | 0.030 | 0.020< |
| 80 07 23 1006 | | | 3 | 1 | 36.000 | 55.0 | 3.150 | 9.000 | 8.0 | 7.35 | 6.6 | | | |
| 80 08 28 0954 | | | 3 | 1 | 32 | 49 | 3.10 | 8.0 | 9 | 6.93 | 7.0 | | | |
| 80 09 29 1046 | | | 3 | 1 | 31.000 | 47.0 | 3.050 | 9.000 | 8.0 | 6.85 | 6.9 | | | |
| 80 10 27 1145 | | | 3 | 1 | 29 | 45 | 2.60 | 8.5 | 7 | 6.78 | | 0.001< | 0.025 | 0.002< |
| 80 11 25 1055 | | | 3 | 1 | 31.000 | 47.0 | 2.750 | 8.000 | 8.0 | 6.88 | 6.2 | | | |
| 80 12 10 1052 | | | 3 | 1 | 30.000 | 46.0 | 2.750 | 9.500 | 8.0 | 6.93 | 6.7 | | | |
| MAXIMUM | | | | | 36.000 | 55.0 | 3.150 | 9.500 | 9 | 7.35 | 7.0 | 0.001 | 0.030 | 0.020 |
| ARITH MEAN | | | | | 31 | 48 | 2.86 | 8.9 | 7 | 6.90 | 6.6 | 0.001L | 0.027 | 0.011L |
| GEOM MEAN | | | | | 31 | 48 | 2.85 | 8.8 | 7 | 6.90 | 6.6 | 0.001L | 0.027 | 0.006L |
| MINIMUM | | | | | 29 | 45 | 2.60 | 8.0 | 6.0 | 6.52 | 5.9 | 0.001< | 0.025 | 0.002< |
| STD DEV | | | | | 2 | 3 | 0.18 | 0.5 | 0 | 0.25 | 0.4 | 0.000L | 0.004 | 0.013L |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 2 | 2 | 2 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CUUT<br>COPPER UNF.TOT. MG/L AS CU | PBUT<br>LEAD UNF.TOT. MG/L AS PB | CDUT<br>CADMIUM UNF.TOT. MG/L AS CD | ZNUT<br>ZINC UNF.TOT. MG/L AS ZN | NIUT<br>NICKEL UNF.TOT. MG/L AS NI | COUT<br>COBALT UNF.TOT. MG/L AS CO |
|---|---|---|---|---|---|---|---|---|---|---|
| 80 06 17 1045 | | | 3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020< |
| 80 10 27 1145 | | | 3 | 1 | 0.001< | 0.003< | 0.0002< | 0.001< | 0.002< | 0.002< |
| MAXIMUM | | | | | 0.010 | 0.030 | 0.005 | 0.010 | 0.020 | 0.020 |
| ARITH MEAN | | | | | 0.005L | 0.016L | 0.002 L | 0.005L | 0.011L | 0.011L |
| GEOM MEAN | | | | | 0.003L | 0.009L | 0.001 L | 0.003L | 0.006L | 0.006L |
| MINIMUM | | | | | 0.001< | 0.003< | 0.0002< | 0.001< | 0.002< | 0.002< |
| STD DEV | | | | | 0.006L | 0.019L | 0.003 L | 0.006L | 0.013L | 0.013L |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 2 |

B O W / SITE: **MUSKOKA LAKE OUTLET**
SAMPLE POINT: **AT HIGHWAY NO 169 BALA**
STATION TYPE: **RIVER FLOW GAUGE FED 02EB008**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **MUSKOKA RIVER**

STATION ID: **03-0085-003-02**
STORET CODE: **02**
**002**
**2980**

LAT LONG U T M: **17 0609150.0 4985175.0 4** REGION: **03** DISTANCE: **34.430**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE<br>SAMPLE NUMBER | FWSTRC<br>STREAM COND. | FWFLOW<br>STREAM FLOW M3 /S | TCMF<br>COLIFORM TOTAL MF CNT /100ML | TCMFBK<br>COLIFORM TOTAL MF BCKGRD CNT /100ML | FCMF<br>FECAL COLIFORM MF CNT /100ML | FSMF<br>FECAL STREPCUS MF CNT /100ML | FWTEMP<br>WATER TEMP DEG.C | DO<br>DISOLVED OXYGEN MG/L AS O | BOD5<br>BOD 5 DAY TOT.DEM. MG/L AS O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 16 0905 | | | 3 | 1 | 20301 | 6 | 102.000 | 12 | 8 | 4< | 4< | 2.0 | 9.2 | 0.2 |
| 80 02 25 0920 | | | 3 | 1 | 20309 | 6 | 66.000 | 4< | 4 | 2< | 2< | 1.0 | 10.2 | 0.2 |
| 80 04 01 0931 | | | 3 | 1 | 20317 | 6 | 117.000 | 12 | 40 | 4< | 4< | 3.0 | 9.6 | 0.2 |
| 80 04 21 0950 | | | 3 | 1 | 20325 | 6 3 | 356.000 | 4< | 16 | 2< | 2 | 5.0 | 10.2 | |
| 80 06 17 0930 | | | 3 | 1 | 20332 | 6 | 16.600 | 72 | 1000 | 2< | 2< | 11.0 | 7.4 | 0.6 |
| 80 07 23 0858 | | | 3 | 1 | 20340 | 6 | 37.800 | | | | | 23.0 | 6.8 | 0.2 |
| 80 08 28 0846 | | | 3 | 1 | 20348 | 6 | 33.300 | 301 | 170 | 4< | 4< | 22.0 | 6.0 | 0.4 |
| 80 09 29 0936 | | | 3 | 1 | 20356 | 6 | 21.300 | 501 | 90 | 4< | 16 | 15.0 | 7.0 | 0.4 |
| 80 10 27 1027 | | | 3 | 1 | 20364 | 6 | 115.000 | 12 | 24 | 4< | 4< | 8.0 | 8.0 | 0.2 |
| 80 11 25 0934 | | | 3 | 1 | 20372 | 6 | 50.700 | 8 | 44 | 4< | 4< | 6.0 | 9.8 | 0.4 |
| 80 12 10 0924 | | | 3 | 1 | 20380 | 6 | 107.000 | | | | | 3.0 | 10.4 | 0.2< |
| MAXIMUM | | | | | | | 356.000 | 72 | 1000 | 4 | 16 | 23.0 | 10.4 | 0.6 |
| ARITH MEAN | | | | | | | 92.973 | 23L | 155 | 3L | 5L | 9.0 | 8.6 | 0.3L |
| GEOM MEAN | | | | | | | 64.313 | 14L | 41 | 3L | 4L | 6.0 | 8.5 | 0.3L |
| MINIMUM | | | | | | | 16.600 | 4< | 4 | 2< | 2< | 1.0 | 6.0 | 0.2< |
| STD DEV | | | | | | | 96.191 | 24L | 321 | 1L | 4L | 7.6 | 1.6 | 0.1L |
| NO OF SAMPLES | | | | | | | 11 | 9 | 9 | 9 | 9 | 11 | 11 | 10 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PPUT<br>PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR<br>PO4 FIL.REAC MG/L AS P | NNHTFR<br>NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR<br>K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR<br>NO2-N FIL.REAC MG/L AS N | NNO3FR<br>NO3-N FIL.REAC MG/L AS N | NNTIFR<br>ORG N TOTAL FIL.REAC MG/L | NNKUR<br>KJELDAHL ORGANIC UNF.REAC MG/L | NNKI<br>TOTAL N MG/L AS N | RST<br>RESIDUE TOTAL MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 16 0905 | | | 3 | 1 | 0.002 | 0.001< | 0.018 | 0.160 | 0.002 | 0.278 | 0.298 | 0.142 | 0.440 | 31.00 |
| 80 02 25 0920 | | | 3 | 1 | 0.001 | 0.001 | 0.016 | 0.220 | 0.002 | 0.273 | 0.291 | 0.204 | 0.495 | 31.00 |
| 80 04 01 0931 | | | 3 | 1 | 0.003 | 0.001 | 0.012 | 0.160 | 0.002 | 0.294 | 0.308 | 0.148 | 0.456 | 32.00 |
| 80 06 17 0930 | | | 3 | 1 | 0.007 | 0.001 | 0.014 | 0.250 | 0.003 | 0.237 | 0.254 | 0.236 | 0.490 | 31.00 |
| 80 07 23 0858 | | | 3 | 1 | 0.051 | 0.039 | 0.026 | 0.230 | 0.003 | 0.202 | 0.231 | 0.204 | 0.435 | 32.00 |
| 80 08 28 0846 | | | 3 | 1 | 0.003 | 0.002 | 0.014 | 0.21 | 0.003 | 0.167 | 0.184 | 0.196 | 0.380 | 32 |
| 80 09 29 0936 | | | 3 | 1 | 0.003 | 0.001< | 0.076 | 0.230 | 0.004 | 0.216 | 0.296 | 0.154 | 0.450 | 30.00 |
| 80 10 27 1027 | | | 3 | 1 | 0.006 | 0.005 | 0.020 | 0.22 | 0.001 | 0.244 | 0.265 | 0.200 | 0.465 | 32 |
| 80 11 25 0934 | | | 3 | 1 | 0.008 | 0.006 | 0.014 | 0.220 | 0.001 | 0.274 | 0.289 | 0.206 | 0.495 | |
| 80 12 10 0924 | | | 3 | 1 | 0.054 | 0.054 | 0.018 | 0.250 | 0.002 | 0.248 | 0.268 | 0.232 | 0.500 | 32.00 |
| MAXIMUM | | | | | 0.054 | 0.054 | 0.076 | 0.250 | 0.004 | 0.294 | 0.308 | 0.236 | 0.500 | 32.00 |
| ARITH MEAN | | | | | 0.014 | 0.011L | 0.023 | 0.21 | 0.002 | 0.243 | 0.268 | 0.192 | 0.461 | 31 |
| GEOM MEAN | | | | | 0.006 | 0.003L | 0.019 | 0.21 | 0.002 | 0.240 | 0.266 | 0.189 | 0.459 | 31 |
| MINIMUM | | | | | 0.001 | 0.001< | 0.012 | 0.160 | 0.001 | 0.167 | 0.184 | 0.142 | 0.380 | 30.00 |
| STD DEV | | | | | 0.021 | 0.018L | 0.019 | 0.03 | 0.001 | 0.039 | 0.038 | 0.033 | 0.037 | 0 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9 |

| | | | | TEST-NAME: | RSP | RSF | COND25 | CLIDUR | SSO4UR | ALKT | PH | FWPH | ASUT | ALUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL |
| 80 01 16 0905 | | | .3 | 1 | 0.30 | 31.000 | 47.0 | 2.600 | 9.500 | 6 | 6.81 | | | |
| 80 02 25 0920 | | | .3 | 1 | 0.10< | 31.000 | 48.0 | 2.750 | 10.000 | 9.0 | 6.76 | 6.6 | | |
| 80 04 01 0931 | | | .3 | 1 | 0.50 | 31 000 | 47.0 | 2.450 | 9.000 | 7.0 | 6.58 | 6.6 | | |
| 80 04 21 0950 | | | .3 | 1 | | | | | | | | 6.0 | | |
| 80 06 17 0930 | | | .3 | 1 | 2.00 | 29.000 | 45.0 | 2.550 | 9.500 | 7.0 | 7.14 | 6.5 | 0.001< | 0.020 |
| 80 07 23 0858 | | | .3 | 1 | 1.00 | 31.000 | 48.0 | 3.250 | 8.500 | 8.0 | 7.42 | 7.3 | | |
| 80 08 28 0846 | | | .3 | 1 | 1 | 31 | 47 | 2.50 | 8.5 | 8 | 7.20 | 6.5 | | |
| 80 09 29 0936 | | | .3 | 1 | 1.00 | 29.000 | 45.0 | 2.600 | 9.000 | 7.0 | 6.81 | 6.2 | | |
| 80 10 27 1027 | | | .3 | 1 | 1 | 31 | 47 | 2.40 | 8.5 | 7 | 6.81 | 6.4 | 0.001< | 0.021 |
| 80 11 25 0934 | | | .3 | 1 | | | | 2.700 | 8.500 | 7.0 | 6.65 | 5.8 | | |
| 80 12 10 0924 | | | .3 | 1 | 0.60 | 31.000 | 48 0 | 2.400 | 9.500 | 7.0 | 6.87 | 6.7 | | |
| MAXIMUM | | | | | 2.00 | 31.000 | 48.0 | 3.250 | 10.000 | 9.0 | 7.42 | 7.3 | 0.001 | 0.021 |
| ARITH MEAN | | | | | 0 L | 30 | 48 | 2.62 | 9.0 | 7 | 6.90 | 6.5 | 0.001L | 0.020 |
| GEOM MEAN | | | | | 0 L | 30 | 48 | 2.61 | 9.0 | 7 | 6.90 | 6.4 | 0.001L | 0.020 |
| MINIMUM | | | | | 0.10< | 29.000 | 45.0 | 2.40 | 8.500 | 6 | 6.58 | 5.8 | 0.001< | 0.020 |
| STD DEV | | | | | 0 L | 0 | 1 | 0.25 | 0.5 | 0 | 0.28 | 0.4 | 0.000L | 0.001 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 2 | 2 |

| | | | | TEST-NAME: | CRUT | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 06 17 0930 | | | .3 | 1 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020< |
| 80 10 27 1027 | | | .3 | 1 | 0.002< | 0.001< | 0.003< | 0.0002< | 0.001< | 0.002< | 0.002< |
| MAXIMUM | | | | | 0.020 | 0.010 | 0.030 | 0.005 | 0.010 | 0.020 | 0.020 |
| ARITH MEAN | | | | | 0.011L | 0.006L | 0.016L | 0.002 L | 0.005L | 0.011L | 0.011L |
| GEOM MEAN | | | | | 0.006L | 0.003L | 0.009L | 0.001 L | 0.003L | 0.006L | 0.006L |
| MINIMUM | | | | | 0.002< | 0.001< | 0.003< | 0.0002< | 0.001< | 0.002< | 0.002< |
| STD DEV | | | | | 0.013L | 0.006L | 0.019L | 0.003 L | 0.006L | 0.013L | 0.013L |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

B.O.W./ SITE: **MUSKOKA RIVER SOUTH**
SAMPLE POINT: **HIGHWAY 11 MUSKOKA FALLS**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **MUSKOKA RIVER**

STATION ID: **03-0085-004-02**
STORET CODE: **02**
**002**
**2980**

LAT: LONG: U T M: **17 0633800.0 4984350.0 4** REGION: **03** DISTANCE: **00.003**

| | | | | TEST-NAME: | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 16 1200 | | | .3 | 1 | 20302 | 6 | 50I | 20 | 4 | 4< | 1.0 | 9.8 | 0.2 | 0.002 |
| 80 02 25 1330 | | | .3 | 1 | 20310 | 6 | 28 | 16 | 2< | 2< | 0.5 | 9.8 | 0.2 | 0.002 |
| 80 04 01 1310 | | | .3 | 1 | 20318 | 9 3 6 | 148 | 6400 | 4< | 4 | 4.0 | 10.6 | 0.2 | 0.008 |
| 80 04 21 1335 | | | .3 | 1 | 20326 | 9 3 6 | 30I | 80 | 4< | 4< | 7.0 | 9.2 | | |
| 80 07 23 1150 | | | .3 | 1 | 20347 | 6 | | | | | 23.5 | 6.4 | 0.2 | 0.011 |
| 80 07 28 1152 | | | .3 | 1 | 20355 | 6 | 900I | 15000 | 20I | 60I | 23.0 | 6.2 | 0.4 | 0.006 |
| 80 09 17 1330 | | | .3 | 1 | 20339 | 6 | 3000 | 17000 | 6 | 300> | 17.0 | 6.4 | 0.8 | 0.010 |
| 80 09 29 1245 | | | .3 | 1 | 20363 | 6 | 90I | 400 | 4< | 4< | 13.0 | 6.6 | 0.3 | 0.005 |
| 80 10 27 0142 | | | .3 | 1 | 20371 | 6 | 140 | 310 | 4< | 12 | 7.0 | 11.4 | 0.2 | 0.008 |
| 80 11 25 1321 | | | .3 | 1 | 20379 | 6 | 40I | 210 | 4< | 4< | 4.0 | 8.4 | 0.4 | 0.005 |
| 80 12 10 1400 | | | .3 | 1 | 20387 | 6 | | | | | 1.5 | 10.2 | 0.2< | 0.004 |
| MAXIMUM | | | | | | | 3000 | 17000 | 20 | 300> | 23.5 | 11.4 | 0.8 | 0.011 |
| ARITH MEAN | | | | | | | 492 | 4382 | 6L | 448 | 9.2 | 8.6 | 0.3L | 0.006 |
| GEOM MEAN | | | | | | | 127 | 469 | 5L | 98 | 6.2 | 8.4 | 0.3L | 0.005 |
| MINIMUM | | | | | | | 28 | 16 | 2< | 2< | 0.5 | 6.2 | 0.2< | 0.002 |
| STD DEV | | | | | | | 980 | 6914 | 5L | 908 | 8.6 | 1.9 | 0.2L | 0.003 |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 11 | 11 | 10 | 10 |

| | | | | TEST-NAME: | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 16 1200 | | | .3 | 1 | 0.001 | 0.040 | 0.190 | 0.002 | 0.208 | 0.250 | 0.150 | 0.400 | 27.00 | 0.10 |
| 80 02 25 1330 | | | .3 | 1 | 0.001 | 0.026 | 0.250 | 0.002 | 0.223 | 0.251 | 0.224 | 0.475 | 29.00 | 0.10 |
| 80 04 01 1310 | | | .3 | 1 | 0.001< | 0.052 | 0.250 | 0.002 | 0.221 | 0.275 | 0.198 | 0.473 | 26.00 | 1.00 |
| 80 07 23 1150 | | | .3 | 1 | 0.002 | 0.064 | 0.320 | 0.004 | 0.076 | 0.144 | 0.256 | 0.400 | 26.00 | 1.00 |
| 80 07 28 1152 | | | .3 | 1 | 0.001< | 0.026 | 0.26 | 0.003 | 0.067 | 0.096 | 0.234 | 0.330 | 26 | 1 |
| 80 09 17 1330 | | | .3 | 1 | 0.001 | 0.018 | 0.320 | 0.003 | 0.122 | 0.143 | 0.302 | 0.445 | 26.00 | 1.00 |
| 80 09 29 1245 | | | .3 | 1 | 0.001< | 0.032 | 0.270 | 0.002 | 0.103 | 0.137 | 0.238 | 0.375 | 25.00 | 0.50 |
| 80 10 27 0142 | | | .3 | 1 | 0.001< | 0.016 | 0.23 | 0.001 | 0.144 | 0.161 | 0.214 | 0.375 | 27 | 2 |
| 80 11 25 1321 | | | .3 | 1 | 0.005 | 0.020 | 0.220 | 0.001 | 0.294 | 0.315 | 0.200 | 0.515 | | |
| 80 12 10 1400 | | | .3 | 1 | | 0.024 | 0.240 | 0.002 | 0.183 | 0.209 | 0.216 | 0.425 | 25.00 | 0.40 |
| MAXIMUM | | | | | 0.005 | 0.064 | 0.320 | 0.004 | 0.294 | 0.315 | 0.302 | 0.515 | 29.00 | 2 |
| ARITH MEAN | | | | | 0.002L | 0.032 | 0.26 | 0.002 | 0.164 | 0.198 | 0.223 | 0.421 | 26 | 0 |
| GEOM MEAN | | | | | 0.001L | 0.029 | 0.26 | 0.002 | 0.148 | 0.186 | 0.220 | 0.418 | 26 | 0 |
| MINIMUM | | | | | 0.001< | 0.016 | 0.190 | 0.001 | 0.067 | 0.096 | 0.150 | 0.330 | 25.00 | 0.10 |
| STD DEV | | | | | 0.001L | 0.016 | 0.04 | 0.001 | 0.074 | 0.072 | 0.040 | 0.056 | 1 | 0 |
| NO OF SAMPLES | | | | | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 9 |

(CONTD)

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **MUSKOKA RIVER SOUTH**
SAMPLE POINT: **HIGHWAY 11 MUSKOKA FALLS**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **MUSKOKA RIVER**

STATION ID: **03-0085-004-02**
STORET CODE: **02**
**002**
**2980**

LAT LONG U T M: **17 0633800.0 4984350.0 4** REGION: **03** DISTANCE: **88.683**

| | | | TEST-NAME: | RSF | COND25 | CLIDUR | SSO4UR | ALKT | PH | FWPH | ASUT | ALUT | CRUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR |
| 80 01 16 1200 | | 3 | 1 | 27.000 | 41.0 | 1.450 | 10.000 | 6 | 6.61 | | | | |
| 80 02 25 1330 | | 3 | 1 | 29.000 | 45.0 | 1.550 | 10.000 | 8.0 | 7.03 | 6.4 | | | |
| 80 04 01 1310 | | 3 | 1 | 25.000 | 39.0 | 1.400 | 9.500 | 5.0 | 6.24 | 7.1 | | | |
| 80 04 21 1335 | | 3 | 1 | | | | | | | 5.9 | | | |
| 80 07 23 1150 | | 3 | 1 | 25.000 | 38.0 | 1.450 | 8.000 | 8.0 | 6.95 | 6.5 | | | |
| 80 07 28 1152 | | 3 | 1 | 25 | 39 | 1.40 | 8.0 | 7 | 6.45 | 6.8 | | | |
| 80 09 17 1330 | | 3 | 1 | 25.000 | 39.0 | | 9.000 | 7.0 | 6.94 | 6.3 | 0.001< | 0.030 | 0.020< |
| 80 09 29 1245 | | 3 | 1 | 24.000 | 37.0 | 4.450 | 9.000 | 7.0 | 6.49 | 7.0 | | | |
| 80 10 27 0142 | | 3 | 1 | 25 | 38 | 1.30 | 9.0 | 6 | 6.91 | | 0.001< | 0.058 | 0.002< |
| 80 11 25 1321 | | 3 | 1 | 25.000 | 39.0 | 1.300 | 8.500 | 6.0 | 6.49 | 6.4 | | | |
| 80 12 10 1400 | | 3 | 1 | 25.000 | 39.0 | 1.400 | 9.500 | 7.0 | 6.64 | 6.8 | | | |
| MAXIMUM | | | | 29.000 | 45.0 | 4.450 | 10.000 | 8.0 | 7.03 | 7.1 | 0.001 | 0.058 | 0.020 |
| ARITH MEAN | | | | 25 | 39 | 1.74 | 9.0 | 6 | 6.67 | 6.6 | 0.001L | 0.044 | 0.011L |
| GEOM MEAN | | | | 25 | 39 | 1.59 | 9.0 | 6 | 6.67 | 6.6 | 0.001L | 0.042 | 0.006L |
| MINIMUM | | | | 24.000 | 37.0 | 1.30 | 8.000 | 5.0 | 6.24 | 5.9 | 0.001< | 0.030 | 0.002< |
| STD DEV | | | | 1 | 2 | 1.01 | 0.7 | 0 | 0.27 | 0.4 | 0.000L | 0.020 | 0.013L |
| NO OF SAMPLES | | | | 10 | 10 | 9 | 10 | 10 | 10 | 9 | 2 | 2 | 2 |

| | | | TEST-NAME: | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 09 17 1330 | | .3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020< |
| 80 10 27 0142 | | .3 | 1 | 0.001< | 0.003< | 0.0002< | 0.006 | 0.002< | 0.002< |
| MAXIMUM | | | | 0.010 | 0.030 | 0.005 | 0.010 | 0.020 | 0.020 |
| ARITH MEAN | | | | 0.005L | 0.016L | 0.002 L | 0.008L | 0.011L | 0.011L |
| GEOM MEAN | | | | 0.003L | 0.009L | 0.001 L | 0.008L | 0.006L | 0.006L |
| MINIMUM | | | | 0.001< | 0.003< | 0.0002< | 0.006< | 0.002< | 0.002< |
| STD DEV | | | | 0.006L | 0.019L | 0.003 L | 0.003L | 0.013L | 0.013L |
| NO OF SAMPLES | | | | 2 | 2 | 2 | 2 | 2 | 2 |

B.O.W / SITE: **MARY LAKE OUTLET**
SAMPLE POINT: **AT REGIONAL ROAD NO. 10 PORT SYDNEY**
STATION TYPE: **RIVER FLOW GAUGE FED 02EB004**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **MUSKOKA RIVER**

STATION ID: **03-0085-006-02**
STORET CODE: **02**
**002**
**2980**

LAT LONG U T M: **17 0635450.0 5007850.0 4** REGION: **03** DISTANCE: **92.374**

| | | | TEST-NAME: | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 23 1150 | | 3 | 1 | 20400 | 6 | 42.200 | 40I | 80 | 12 | 4 | 0.0 | 11.0 | 0.022 |
| 80 02 19 1150 | | 3 | 1 | 20406 | 6 | 15.300 | 20I | 10 | 4< | 4< | 1.0 | 13.0 | 0.009 |
| 80 03 18 1000 | | 3 | 1 | 20412 | 6 | 12.600 | | | | | 2.0 | 12.0 | 0.012 |
| 80 06 30 1225 | | 3 | 1 | 20418 | 6 | 29.800 | 248 | 920 | 4< | 4< | 19.0 | 11.0 | |
| 80 07 25 1145 | | 3 | 1 | 20424 | | 9.060 | 40 | 6800 | 4 | 16 | | | 0.008 |
| 80 09 30 1110 | | 3 | 1 | 20430 | 6 | 10.900 | 470 | 1800 | 4< | 8 | 16.0 | 9.0 | 0.007 |
| 80 10 29 | | 3 | 1 | 20436 | 8 | 43.700 | 50I | 220 | 4< | 4 | | | 0.008 |
| MAXIMUM | | | | | | 43.700 | 470 | 6800 | 12 | 16 | 19.0 | 13.0 | 0.022 |
| ARITH MEAN | | | | | | 23.366 | 145 | 1638 | 5L | 7L | 7.6 | 11.2 | 0.011 |
| GEOM MEAN | | | | | | 19.432 | 76 | 354 | 5L | 6L | 3.6 | 11.1 | 0.010 |
| MINIMUM | | | | | | 9.060 | 20 | 10 | 4< | 4< | 0.0 | 9.0 | 0.007 |
| STD DEV | | | | | | 15.003 | 181 | 2618 | 3L | 5L | 9.1 | 1.5 | 0.006 |
| NO OF SAMPLES | | | | | | 7 | 6 | 6 | 6 | 6 | 5 | 5 | 6 |

| | | | TEST-NAME: | NNHTFR | COND25 | SSO4UR | ALKT | PH | FWPH | ASUT | ALUT | CRUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NH3-N TOTAL FIL.REAC MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU |
| 80 01 23 1150 | | .3 | 1 | 0.024 | 49.0 | 10.000 | 7 | 6.79 | | | | | |
| 80 02 19 1150 | | 3 | 1 | 0.040 | 51.0 | 11.000 | 7.0 | 6.59 | | | | | |
| 80 03 18 1000 | | .3 | 1 | 0.058 | 52.0 | 10.500 | 9.0 | 6.38 | | | | | |
| 80 06 30 1225 | | 3 | 1 | | | | | | | | | | |
| 80 07 25 1145 | | 3 | 1 | 0.054 | 44.0 | 9.000 | 8.0 | 7.28 | | 0.001< | 0.030 | 0.020< | 0.010< |
| 80 09 30 1110 | | 3 | 1 | 0.036 | 44 | 10.0 | 10 | 6.84 | 7.2 | | | | |
| 80 10 29 | | 3 | 1 | 0.020 | 44.0 | 8.500 | 8.0 | 6.75 | | | | | |
| MAXIMUM | | | | 0.058 | 52.0 | 11.000 | 10 | 7.28 | 7.2 | 0.001 | 0.030 | 0.020 | 0.010 |
| ARITH MEAN | | | | 0.039 | 47 | 9.8 | 8 | 6.77 | 7.2 | 0.001L | 0.030 | 0.020L | 0.010L |
| GEOM MEAN | | | | 0.038 | 47 | 9.7 | 8 | 6.77 | | | | | |
| MINIMUM | | | | 0.020 | 44.0 | 8.500 | 7 | 6.38 | 7.2 | 0.001< | 0.030 | 0.020< | 0.010< |
| STD DEV | | | | 0.015 | 3 | 0.9 | 1 | 0.30 | | | | | |
| NO OF SAMPLES | | | | 6 | 6 | 6 | 6 | 6 | 1 | 1 | 1 | 1 | 1 |

(CONTD)

| TEST-NAME: | | | | | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 06 30 1225 | | | .3 | 1 | 0.030< | 0.005< | 0.010< | 0.040 | 0.020< |
| MAXIMUM | | | | | 0.030 | 0.005 | 0.010 | 0.040 | 0.020 |
| ARITH MEAN | | | | | 0.030L | 0.005L | 0.010L | 0.040 | 0.020L |
| GEOM MEAN | | | | | | | | | |
| MINIMUM | | | | | 0.030< | 0.005< | 0.010< | 0.040 | 0.020< |
| STD DEV | | | | | | | | | |
| NO OF SAMPLES | | | | | 1 | 1 | 1 | 1 | 1 |

B.O.W / SITE: **FAIRY LAKE OUTLET**
SAMPLE POINT: **AT REGIONAL ROAD NO. 2 HUNTSVILLE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **MUSKOKA RIVER**

STATION ID: **03-0085-007-02**
STORET CODE: **02**
**002**
**2980**

LAT: LONG: U T M: **17 0640850.0 5018100.0 4** REGION: **03** DISTANCE: **105.240**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 23 1120 | | | .3 | 1 | 20401 | 6 | 76 | 144 | 4 | 12 | 0.0 | 11.0 | 0.029 | 0.036 |
| 80 02 19 1126 | | | .3 | 1 | 20407 | 6 | 56C | 2800 | 8 | 50< | 1.0 | 9.0 | 0.009 | 0.060 |
| 80 03 18 0920 | | | .3 | 1 | 20413 | 6 | | | | | 1.0 | 11.0 | 0.015 | 0.084 |
| 80 06 30 1120 | | | .3 | 1 | 20419 | 6 | 80I | 5200 | 4 | 4< | 19.0 | 10.0 | | |
| 80 07 25 1035 | | | .3 | 1 | 20425 | | 1500> | 3000> | 32 | 48 | | | 0.005 | 0.052 |
| 80 09 30 1035 | | | .3 | 1 | 20431 | 6 | 170 | 290 | 10< | 20I | 16.0 | 9.0 | 0.009 | 0.040 |
| 80 10 29 | | | .3 | 1 | 20437 | 8 | 90I | 390 | 12 | 4 | | | 0.009 | 0.030 |
| MAXIMUM | | | | | | | 1500> | 5200> | 32 | 60 | 19.0 | 11.0 | 0.029 | 0.084 |
| ARITH MEAN | | | | | | | 329G | 1971G | 12L | 23L | 7.4 | 10.0 | 0.013 | 0.050 |
| GEOM MEAN | | | | | | | 141G | 945G | 9L | 14L | 3.1 | 10.0 | 0.011 | 0.047 |
| MINIMUM | | | | | | | 56 | 144 | 4< | 4< | 0.0 | 9.0 | 0.005 | 0.030 |
| STD DEV | | | | | | | 575G | 2041G | 10L | 21L | 9.3 | 1.0 | 0.009 | 0.020 |
| NO OF SAMPLES | | | | | | | 6 | 6 | 6 | 6 | 5 | 5 | 6 | 6 |

| TEST-NAME: | | | | | COND25 | SSO4UR | ALKT | PH | FWPH | ASUT | ALUT | CRUT | CUUT | PBUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB |
| 80 01 23 1120 | | | 3 | 1 | 44.0 | 10.000 | 6 | 6.64 | | | | | | |
| 80 02 19 1126 | | | 3 | 1 | 48.0 | 11.500 | 6.0 | 6.43 | | | | | | |
| 80 03 18 0920 | | | .3 | 1 | 54.0 | 10.500 | 9.0 | 6.41 | | | | | | |
| 80 06 30 1120 | | | .3 | 1 | | | | | | 0.001< | 0.030 | 0.020< | 0.010< | 0.030< |
| 80 07 25 1035 | | | 3 | 1 | 45.0 | 9.000 | 8.0 | 7.10 | | | | | | |
| 80 09 30 1035 | | | 3 | 1 | 45 | 9.5 | 8 | 6.83 | 7.2 | | | | | |
| 80 10 29 | | | 3 | 1 | 43.0 | 8.500 | 7.0 | 6.58 | | | | | | |
| MAXIMUM | | | | | 54.0 | 11.500 | 9.0 | 7.10 | 7.2 | 0.001 | 0.030 | 0.020 | 0.010 | 0.030 |
| ARITH MEAN | | | | | 46 | 9.8 | 7 | 6.66 | 7.2 | 0.001L | 0.030 | 0.020L | 0.010L | 0.030L |
| GEOM MEAN | | | | | 46 | 9.7 | 7 | 6.66 | | | | | | |
| MINIMUM | | | | | 43.0 | 8.500 | 6 | 6.41 | 7.2 | 0.001< | 0.030 | 0.020< | 0.010< | 0.030< |
| STD DEV | | | | | 4 | 1.0 | 1 | 0.26 | | | | | | |
| NO OF SAMPLES | | | | | 6 | 6 | 6 | 6 | 1 | 1 | 1 | 1 | 1 | 1 |

| TEST-NAME: | | | | | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 06 30 1120 | | | 3 | 1 | 0.005< | 0.030 | 0.040 | 0.020< |
| MAXIMUM | | | | | 0.005 | 0.030 | 0.040 | 0.020 |
| ARITH MEAN | | | | | 0.005L | 0.030 | 0.040 | 0.020L |
| GEOM MEAN | | | | | | | | |
| MINIMUM | | | | | 0.005< | 0.030 | 0.040 | 0.020< |
| STD DEV | | | | | | | | |
| NO OF SAMPLES | | | | | 1 | 1 | 1 | 1 |

B.O.W / SITE: **LAKE VERNON OUTLET**
SAMPLE POINT: **HIGHWAY 11B HUNTSVILLE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **MUSKOKA RIVER**

STATION ID: **03-0085-008-02**
STORET CODE: **02**
**002**
**2980**

LAT: LONG: U T M: **17 0639855.0 5020800.0 4** REGION: **03** DISTANCE: **110.076**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 23 1105 | | | .3 | 1 | 20402 | 6 | 20I | 120 | 12 | 4 | 0.0 | 11.0 | 0.2 | 0.015 |
| 80 02 19 1115 | | | 3 | 1 | 20408 | 6 | 16C | 9600 | 4< | 4< | 1.0 | 13.0 | 0.4 | 0.007 |
| 80 03 18 0910 | | | .3 | 1 | 20414 | 6 | | | | | 1.0 | 12.0 | 0.6 | 0.023 |
| 80 06 30 1140 | | | .3 | 1 | 20420 | 6 | 100C | 9600 | 4 | 4< | 20.0 | 12.0 | | |
| 80 07 25 0930 | | | 3 | 1 | 20426 | | 700I | 21000 | 160I | 100I | | | 0.8 | 0.035 |
| 80 09 30 0905 | | | 3 | 1 | 20432 | 6 | 90I | 210 | 10< | 10< | 16.0 | 10.0 | 0.4 | 0.010 |
| 80 10 29 | | | 3 | 1 | 20438 | 8 | 70I | 280 | 4 | 12 | | | 0.4 | 0.011 |
| MAXIMUM | | | | | | | 700 | 21000 | 160 | 100 | 20.0 | 13.0 | 0.8 | 0.035 |
| ARITH MEAN | | | | | | | 166 | 6802 | 32L | 22L | 7.6 | 11.6 | 0.5 | 0.017 |
| GEOM MEAN | | | | | | | 72 | 1646 | 10L | 10L | 3.2 | 11.6 | 0.4 | 0.015 |
| MINIMUM | | | | | | | 16 | 120 | 4< | 4< | 0.0 | 10.0 | 0.2 | 0.007 |
| STD DEV | | | | | | | 264 | 8341 | 63L | 38L | 9.6 | 1.1 | 0.2 | 0.010 |
| NO OF SAMPLES | | | | | | | 6 | 6 | 6 | 6 | 5 | 5 | 6 | 6 |

(CONTD)

B.O.W./ SITE **LAKE VERNON OUTLET**
SAMPLE POINT **HIGHWAY 11B HUNTSVILLE**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **MUSKOKA RIVER**

STATION ID: **03-0085-008-02**
STORET CODE **02**
**002**
**2980**

LAT. LONG. U.T.M. **17 0639855.0 5020800.0 4** REGION: **03** DISTANCE: **110.076**

| | | | | TEST-NAME: | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 23 1105 | | | 3 | 1 | 0.001 | 0.060 | 0.310 | 0.003 | 0.247 | 0.310 | 0.250 | 0.560 | 29.00 | 2.00 |
| 80 02 19 1115 | | | 3 | 1 | 0.001 | 0.046 | 0.310 | 0.005 | 0.235 | 0.286 | 0.264 | 0.550 | 29.00 | 0.10< |
| 80 03 18 0910 | | | 3 | 1 | 0.002 | 0.058 | 0.320 | 0.005 | 0.295 | 0.358 | 0.262 | 0.620 | 43.00 | 8.00 |
| 80 07 25 0930 | | | 3 | 1 | 0.005 | 0.022 | 0.260 | 0.004 | 0.101 | 0.127 | 0.238 | 0.365 | 49.00 | 19.00 |
| 80 09 30 0905 | | | 3 | 1 | 0.001< | 0.032 | 0.23 | 0.002 | 0.143 | 0.177 | 0.198 | 0.375 | 29 | 2 |
| 80 10 29 | | | 3 | 1 | 0.004 | 0.026 | 0.250 | 0.001 | 0.194 | 0.223 | 0.222 | 0.445 | 28.00 | 2.00 |
| MAXIMUM | | | | | **0.005** | **0.060** | **0.320** | **0.005** | **0.295** | **0.358** | **0.264** | **0.620** | **49.00** | **19.00** |
| ARITH MEAN | | | | | **0.002L** | **0.041** | **0.28** | **0.003** | **0.202** | **0.247** | **0.239** | **0.486** | **34** | **5 L** |
| GEOM MEAN | | | | | **0.002L** | **0.038** | **0.27** | **0.003** | **0.191** | **0.233** | **0.238** | **0.476** | **33** | **2 L** |
| MINIMUM | | | | | **0.001<** | **0.022** | **0.23** | **0.001** | **0.101** | **0.127** | **0.198** | **0.365** | **28.00** | **0.10<** |
| STD DEV | | | | | **0.002L** | **0.016** | **0.03** | **0.002** | **0.071** | **0.087** | **0.026** | **0.108** | **9** | **7 L** |
| NO OF SAMPLES | | | | | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** |

| | | | | TEST-NAME: | RSF | COND25 | CLIDUR | SSO4UR | ALKT | PH | ASUT | ALUT | CRUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU |
| 80 01 23 1105 | | | 3 | 1 | 27.000 | 42.0 | 1.700 | 10.000 | 5 | 6.59 | | | | |
| 80 02 19 1115 | | | 3 | 1 | 29.000 | 45.0 | 2.150 | 11.500 | 6.0 | 6.39 | | | | |
| 80 03 18 0910 | | | 3 | 1 | 35.000 | 54.0 | 5.800 | 10.500 | 9.0 | 6.44 | | | | |
| 80 06 30 1140 | | | 3 | 1 | | | | | | | 0.001< | 0.050 | 0.020< | 0.010< |
| 80 07 25 0930 | | | 3 | 1 | 30.000 | 46.0 | 2.050 | 9.000 | 11.0 | 7.22 | | | | |
| 80 09 30 0905 | | | 3 | 1 | 27 | 41 | 1.70 | 9.5 | 7 | | | | | |
| 80 10 29 | | | 3 | 1 | 26.000 | 40.0 | 1.350 | 9.000 | 8.0 | 6.73 | | | | |
| MAXIMUM | | | | | **35.000** | **54.0** | **5.800** | **11.500** | **11.0** | **7.22** | **0.001** | **0.050** | **0.020** | **0.010** |
| ARITH MEAN | | | | | **29** | **44** | **2.45** | **9.9** | **7** | **6.67** | **0.001L** | **0.050** | **0.020L** | **0.010L** |
| GEOM MEAN | | | | | **28** | **44** | **2.15** | **9.8** | **7** | **6.67** | | | | |
| MINIMUM | | | | | **26.000** | **40.0** | **1.350** | **9.000** | **5** | **6.39** | **0.001<** | **0.050** | **0.020<** | **0.010<** |
| STD DEV | | | | | **3** | **5** | **1.66** | **0.9** | **2** | **0.33** | | | | |
| NO OF SAMPLES | | | | | **6** | **6** | **6** | **6** | **6** | **5** | **1** | **1** | **1** | **1** |

| | | | | TEST-NAME: | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 06 30 1140 | | | 3 | 1 | 0.030< | 0.005< | 0.010< | 0.070 | 0.020< |
| MAXIMUM | | | | | **0.030** | **0.005** | **0.010** | **0.070** | **0.020** |
| ARITH MEAN | | | | | **0.030L** | **0.005L** | **0.010L** | **0.070** | **0.020L** |
| GEOM MEAN | | | | | | | | | |
| MINIMUM | | | | | **0.030<** | **0.005<** | **0.010<** | **0.070** | **0.020<** |
| STD DEV | | | | | | | | | |
| NO OF SAMPLES | | | | | **1** | **1** | **1** | **1** | **1** |

B.O.W./ SITE **LAKE OF BAYS OUTLET**
SAMPLE POINT **HIGHWAY NO. 117 BAYSVILLE**
STATION TYPE **RIVER FLOW GAUGE FED 02EB008**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **MUSKOKA RIVER**

STATION ID: **03-0085-009-02**
STORET CODE **02**
**002**
**2980**

LAT. LONG. U.T.M. **17 0648450.0 5001115.0 4** REGION: **03** DISTANCE: **107.501**

| | | | | TEST-NAME: | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 23 1225 | | | 3 | 1 | 20403 | 6 | 36.100 | 4< | 12 | 2< | 2< | 0.0 | 12.0 | 0.015 |
| 80 02 19 1225 | | | 3 | 1 | 20409 | 6 | 23.200 | 4< | 52 | 2< | 4< | 1.0 | 12.0 | 0.005 |
| 80 03 18 1030 | | | 3 | 1 | 20415 | 6 | 7.200 | | | | | 2.0 | 13.0 | 0.005 |
| 80 06 30 1300 | | | 3 | 1 | 20421 | 6 | 52.200 | 4600C | 170000 | 72 | 600> | 19.5 | 13.0 | |
| 80 07 25 1300 | | | 3 | 1 | 20427 | | 3.050 | 110 | 1850 | 20 | 8 | | | 0.004 |
| 80 09 30 1240 | | | 3 | 1 | 20433 | 6 | 15.600 | 10< | 10 | 4< | 4< | 17.0 | 9.0 | 0.005 |
| 80 10 29 | | | 3 | 1 | 20439 | 8 | 48.600 | 4< | 40 | 4< | 4< | | | 0.011 |
| MAXIMUM | | | | | | | **52.200** | **4600** | **170000** | **72** | **600>** | **19.5** | **13.0** | **0.015** |
| ARITH MEAN | | | | | | | **26.564** | **789L** | **28661** | **17L** | **104B** | **7.9** | **11.8** | **0.007** |
| GEOM MEAN | | | | | | | **18.461** | **26L** | **207** | **7L** | **9B** | **3.7** | **11.7** | **0.007** |
| MINIMUM | | | | | | | **3.050** | **4<** | **10** | **2<** | **2<** | **0.0** | **9.0** | **0.004** |
| STD DEV | | | | | | | **19.550** | **1868L** | **69246** | **28L** | **243B** | **9.5** | **1.6** | **0.004** |
| NO OF SAMPLES | | | | | | | **7** | **6** | **6** | **6** | **6** | **5** | **5** | **6** |

| | | | | TEST-NAME: | NNHTFR | COND25 | CLIDUR | SSO4UR | ALKT | PH | FWPH | ASUT | ALUT | CRUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NH3-N TOTAL FIL.REAC MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR |
| 80 01 23 1225 | | | 3 | 1 | 0.018 | 40.0 | 1.350 | 9.000 | 6 | 6.68 | | | | |
| 80 02 19 1225 | | | 3 | 1 | 0.020 | 46.0 | 2.600 | 10.500 | 7.0 | 6.82 | | | | |
| 80 03 18 1030 | | | 3 | 1 | 0.024 | 43.0 | 1.700 | 9.500 | 7.0 | 6.46 | | | | |
| 80 06 30 1300 | | | 3 | 1 | | | | | | | | 0.001< | 0.020< | 0.020< |
| 80 07 25 1300 | | | 3 | 1 | 0.020 | 40.0 | 1.300 | 9.000 | 8.0 | 7.09 | | | | |
| 80 09 30 1240 | | | 3 | 1 | 0.016 | 39 | 1.35 | 9.5 | 6 | 6.73 | 8.0 | | | |
| 80 10 29 | | | 3 | 1 | 0.008 | 39.0 | 1.250 | 9.000 | 6.0 | 6.68 | | | | |
| MAXIMUM | | | | | **0.024** | **46.0** | **2.600** | **10.500** | **8.0** | **7.09** | **8.0** | **0.001** | **0.020** | **0.020** |
| ARITH MEAN | | | | | **0.018** | **41** | **1.69** | **9.4** | **6** | **6.74** | **8.0** | **0.001L** | **0.020L** | **0.020L** |
| GEOM MEAN | | | | | **0.017** | **41** | **1.63** | **9.4** | **6** | **6.74** | | | | |
| MINIMUM | | | | | **0.008** | **39** | **1.250** | **9.000** | **6** | **6.46** | **8.0** | **0.001<** | **0.020<** | **0.020<** |
| STD DEV | | | | | **0.005** | **2** | **0.51** | **0.5** | **0** | **0.21** | | | | |
| NO OF SAMPLES | | | | | **6** | **6** | **6** | **6** | **6** | **6** | **1** | **1** | **1** | **1** |

(CONTD)

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CUUT<br>COPPER UNF.TOT. MG/L AS CU | PBUT<br>LEAD UNF.TOT. MG/L AS PB | CDUT<br>CADMIUM UNF.TOT. MG/L AS CD | ZNUT<br>ZINC UNF.TOT. MG/L AS ZN | NIUT<br>NICKEL UNF.TOT. MG/L AS NI | COUT<br>COBALT UNF.TOT. MG/L AS CO |
|---|---|---|---|---|---|---|---|---|---|---|
| 80 06 30 1300 | | | 3 | 1 | 0.010< | 0.030< | 0.005< | 0.010< | 0.020 | 0.020< |
| MAXIMUM | | | | | 0.010 | 0.030 | 0.005 | 0.010 | 0.020 | 0.020 |
| ARITH MEAN | | | | | 0.010L | 0.030L | 0.005L | 0.010L | 0.020 | 0.020L |
| GEOM MEAN | | | | | | | | | | |
| MINIMUM | | | | | 0.010< | 0.030< | 0.005< | 0.010< | 0.020 | 0.020< |
| STD DEV | | | | | | | | | | |
| NO OF SAMPLES | | | | | 1 | 1 | 1 | 1 | 1 | 1 |

STATION ID **03-0085-011-02**

STORET CODE **02**
**002**
**2960**

B.O.W./ SITE: **INDIAN RIVER**
SAMPLE POINT: **HANNA PARK PORT CARLING**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **MUSKOKA RIVER**

LAT:
LONG:
U T M: **17 0611650.0 4996500.0 4**
REGION: **03**
DISTANCE: **53.751**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE<br>SAMPLE NUMBER | FWSTRC<br>STREAM COND. | TCMF<br>COLIFORM TOTAL MF CNT /100ML | TCMFBK<br>COLIFORM TOTAL MF BCKGRD CNT /100ML | FCMF<br>FECAL COLIFORM MF CNT /100ML | FSMF<br>FECAL STREPCUS MF CNT /100ML | FWTEMP<br>WATER TEMP DEG.C | DO<br>DISOLVED OXYGEN MG/L AS O | BOD5<br>BOD 5 DAY TOT.DEM. MG/L AS O | PPUT<br>PHOSPHOR UNF.TOT. MG/L AS P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 16 1020 | | | 3 | 1 | 20303 | 6 | 4< | 16 | 4< | 4< | 1.5 | 9.2 | 0.2 | 0.002 |
| 80 02 25 1105 | | | 3 | 1 | 20311 | 6 | 4 | 4 | 2< | 2< | 1.0 | 9.6 | 0.2 | 0.002 |
| 80 04 01 1055 | | | 3 | 1 | 20319 | 6 | 28 | 100 | 4< | 4 | 4.0 | 8.8 | 0.2 | 0.004 |
| 80 04 21 1105 | | | 3 | 1 | 20327 | 6 3 | 12 | 8 | 2< | 2< | 6.0 | 8.2 | | |
| 80 06 17 1100 | | | 3 | 1 | 20336 | 6 | 44C | 1720 | 2< | 2< | 16.0 | 7.2 | 0.4 | 0.006 |
| 80 07 23 1016 | | | 3 | 1 | 20344 | 5 | | | | | 23.0 | 5.6 | 0.2 | 0.008 |
| 80 08 28 1005 | | | 3 | 1 | 20352 | 8 5 | 80C | 9000 | 4< | 12 | 23.0 | 6.2 | 0.6 | 0.006 |
| 80 09 29 1059 | | | 3 | 1 | 20360 | 8 5 | 30I | 100 | 4 | 4 | 12.5 | 6.0 | 0.2 | 0.006 |
| 80 10 27 1157 | | | 3 | 1 | 20368 | 6 | 10< | 40 | 4< | 4< | 8.5 | 9.2 | 0.2 | 0.006 |
| 80 11 25 1106 | | | 3 | 1 | 20376 | 6 | 4< | 96 | 4< | 4< | 4.0 | 8.8 | 0.4 | 0.008 |
| 80 12 10 1130 | | | 3 | 1 | 20384 | 6 | | | | | 3.0 | 7.8 | 0.2 | 0.003 |
| MAXIMUM | | | | | | | 80 | 9000 | 4 | 12 | 23.0 | 9.6 | 0.6 | 0.008 |
| ARITH MEAN | | | | | | | 24L | 1232 | 3L | 4L | 9.3 | 7.9 | 0.3 | 0.006 |
| GEOM MEAN | | | | | | | 14L | 88 | 3L | 4L | 6.0 | 7.7 | 0.3 | 0.005 |
| MINIMUM | | | | | | | 4< | 4 | 2< | 2< | 1.0 | 5.6 | 0.2 | 0.002 |
| STD DEV | | | | | | | 25L | 2965 | 1L | 3L | 8.2 | 1.4 | 0.1 | 0.002 |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 11 | 11 | 10 | 10 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PPO4FR<br>PO4 FIL.REAC MG/L AS P | NNHTFR<br>NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR<br>K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR<br>NO2-N FIL.REAC MG/L AS N | NNO3FR<br>NO3-N FIL.REAC MG/L AS N | NNTIFR<br>ORG N TOTAL FIL.REAC MG/L | NNKUR<br>KJELDAHL ORGANIC UNF.REAC MG/L | NNKI<br>TOTAL N MG/L AS N | RST<br>RESIDUE TOTAL MG/L | RSP<br>RESIDUE PARTIC. MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 16 1020 | | | 3 | 1 | 0.001< | 0.036 | 0.190 | 0.003 | 0.247 | 0.286 | 0.154 | 0.440 | 30.00 | 0.30 |
| 80 02 25 1105 | | | 3 | 1 | 0.001< | 0.018 | 0.220 | 0.002 | 0.298 | 0.318 | 0.202 | 0.520 | 32.00 | 0.50 |
| 80 04 01 1055 | | | 3 | 1 | 0.001 | 0.020 | 0.180 | 0.001 | 0.314 | 0.335 | 0.160 | 0.495 | 31.00 | 0.30 |
| 80 06 17 1100 | | | 3 | 1 | 0.001< | 0.016 | 0.280 | 0.003 | 0.267 | 0.286 | 0.264 | 0.550 | 33.00 | 1.00 |
| 80 07 23 1016 | | | 3 | 1 | 0.001 | 0.062 | 0.280 | 0.003 | 0.177 | 0.242 | 0.218 | 0.460 | 38.00 | 2.00 |
| 80 08 28 1005 | | | 3 | 1 | 0.001 | 0.016 | 0.24 | 0.003 | 0.117 | 0.136 | 0.224 | 0.360 | 35 | 2 |
| 80 09 29 1059 | | | 3 | 1 | 0.001< | 0.020 | 0.240 | 0.002 | 0.188 | 0.210 | 0.220 | 0.430 | 43.00 | 12.00 |
| 80 10 27 1157 | | | 3 | 1 | 0.001< | 0.020 | 0.19 | 0.001 | 0.244 | 0.265 | 0.170 | 0.435 | 30 | 0.9 |
| 80 11 25 1106 | | | 3 | 1 | 0.002 | 0.018 | 0.200 | 0.001 | 0.189 | 0.208 | 0.182 | 0.390 | 32.00 | 0.60 |
| 80 12 10 1130 | | | 3 | 1 | 0.003 | 0.016 | 0.220 | 0.002 | 0.263 | 0.281 | 0.204 | 0.485 | 30.00 | 1.00 |
| MAXIMUM | | | | | 0.003 | 0.062 | 0.280 | 0.003 | 0.314 | 0.335 | 0.264 | 0.550 | 43.00 | 12.00 |
| ARITH MEAN | | | | | 0.001L | 0.024 | 0.22 | 0.002 | 0.230 | 0.257 | 0.200 | 0.456 | 33 | 2 |
| GEOM MEAN | | | | | 0.001L | 0.022 | 0.22 | 0.002 | 0.222 | 0.249 | 0.197 | 0.453 | 33 | 1 |
| MINIMUM | | | | | 0.001< | 0.016 | 0.180 | 0.001 | 0.117 | 0.136 | 0.164 | 0.360 | 30.00 | 0.30 |
| STD DEV | | | | | 0.001L | 0.015 | 0.03 | 0.001 | 0.061 | 0.059 | 0.034 | 0.058 | 4 | 3 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RSF<br>RESIDUE FILTERED MG/L | COND25<br>CONDUCT. 25C UMHO/CM AT 25 C | CLIDUR<br>CHLORIDE UNF.REAC MG/L AS CL | SSO4UR<br>SULPHATE UNF.REAC MG/L AS SO4 | ALKT<br>ALK TOTAL MG/L AS CACO3 | PH<br>PH | FWPH<br>PH FIELD | ASUT<br>ARSENIC UNF.TOT. MG/L AS AS | ALUT<br>ALUMINUM UNF.TOT. MG/L AS AL | CRUT<br>CHROMIUM UNF.TOT. MG/L AS CR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 16 1020 | | | 3 | 1 | 30.000 | 45.5 | 2.150 | 9.500 | 7 | 6.88 | | | | |
| 80 02 25 1105 | | | 3 | 1 | 31.000 | 48.0 | 3.050 | 9.500 | 8.0 | 6.74 | 6.4 | | | |
| 80 04 01 1055 | | | 3 | 1 | 31.000 | 48.0 | 2.900 | 9.000 | 7.0 | 6.55 | 7.0 | | | |
| 80 04 21 1105 | | | 3 | 1 | | | | | | | 6.1 | | | |
| 80 06 17 1100 | | | 3 | 1 | 32.000 | 49.0 | 2.950 | 9.000 | 9.0 | 7.28 | 6.5 | 0.001< | 0.020< | 0.020< |
| 80 07 23 1016 | | | 3 | 1 | 36.000 | 55.0 | 3.600 | 9.000 | 10.0 | 6.87 | 6.7 | | | |
| 80 08 28 1005 | | | 3 | 1 | 33 | 50 | 3.45 | 8.5 | 9 | 6.75 | 7.0 | | | |
| 80 09 29 1059 | | | 3 | 1 | 31.000 | 48.0 | 3.100 | 9.000 | 9.0 | 6.75 | 7.5 | | | |
| 80 10 27 1157 | | | 3 | 1 | 25 | 45 | 2.60 | 8.5 | 7 | 6.49 | | 0.001< | 0.035 | 0.002< |
| 80 11 25 1106 | | | 3 | 1 | 31.000 | 48.0 | 2.700 | 8.500 | 9.0 | 6.86 | 6.3 | | | |
| 80 12 10 1130 | | | 3 | 1 | 29.000 | 45.0 | 2.650 | 9.000 | 6.0 | 6.73 | 6.7 | | | |
| MAXIMUM | | | | | 36.000 | 55.0 | 3.600 | 9.500 | 10.0 | 7.28 | 7.5 | 0.001 | 0.035 | 0.020 |
| ARITH MEAN | | | | | 30 | 48 | 2.91 | 8.9 | 8 | 6.79 | 6.7 | 0.001L | 0.027L | 0.011L |
| GEOM MEAN | | | | | 30 | 48 | 2.88 | 8.9 | 8 | 6.79 | 6.7 | 0.001L | 0.026L | 0.008L |
| MINIMUM | | | | | 25 | 45 | 2.150 | 8.5 | 6.0 | 6.49 | 6.1 | 0.001< | 0.020< | 0.002< |
| STD DEV | | | | | 2 | 2 | 0.42 | 0.3 | 1 | 0.22 | 0.4 | 0.000L | 0.011L | 0.013L |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 2 | 2 | 2 |

(CONTD)

B.O.W./ SITE **INDIAN RIVER**
SAMPLE POINT **HANNA PARK PORT CARLING**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **MUSKOKA RIVER**

STATION ID: **03-0085-011-02**
STORET CODE **02**
**002**
**2980**

LAT LONG U.T.M. **17 0611650.0 4996500.0 4** REGION **03** DISTANCE **53.751**

| TEST-NAME: | | | | | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 06 17 1100 | | | 3 | 1 | 0.010< | 0.030< | 0.005 < | 0.050 | 0.020< | 0.020< |
| 80 10 27 1157 | | | 3 | 1 | 0.001< | 0.003< | 0.0002< | 0.005 | 0.002< | 0.002< |
| MAXIMUM | | | | | 0.010 | 0.030 | 0.005 | 0.050 | 0.020 | 0.020 |
| ARITH MEAN | | | | | 0.005L | 0.016L | 0.002 L | 0.027 | 0.011L | 0.011L |
| GEOM MEAN | | | | | 0.003L | 0.009L | 0.001 L | 0.016 | 0.006L | 0.006L |
| MINIMUM | | | | | 0.001< | 0.003< | 0.0002< | 0.005 | 0.002< | 0.002< |
| STD DEV | | | | | 0.006L | 0.019L | 0.003 L | 0.032 | 0.013L | 0.013L |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 2 |

B.O.W./ SITE **LAKE OF BAYS**
SAMPLE POINT **HIGHWAY 35, DORSET**
STATION TYPE **LAKE**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **MUSKOKA RIVER**

STATION ID: **03-0085-014-01**
STORET CODE **02**
**002**
**2980**

LAT LONG: U.T.M. **17 0665250.0 5012100.0 4** REGION **03** DISTANCE **132.606**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 23 1255 | | | 3 | 1 | 20405 | 6 | 10< | 10< | 4< | 4< | 0.0 | 14.0 | 0.005 | 0.020 |
| 80 02 19 1300 | | | 3 | 1 | 20411 | 6 | 16C | 4400 | 2< | 4< | 1.0 | 13.0 | 0.005 | 0.018 |
| 80 03 18 1100 | | | 3 | 1 | 20417 | 6 | | | | | 2.0 | 11.0 | 0.006 | 0.048 |
| 80 06 30 1320 | | | 3 | 1 | 20423 | 6 | 40 | 520 | 4 | 172 | 19.5 | 11.0 | | |
| 80 07 25 1400 | | | 3 | 1 | 20429 | | 84C | 3280 | 40 | 64 | | | 0.009 | 0.016 |
| 80 09 30 1335 | | | 3 | 1 | 20435 | 6 | 10I | 40 | 4< | 4< | 17.5 | 8.0 | 0.004 | 0.018 |
| 80 10 29 | | | 3 | 1 | 20441 | 8 | 4< | 4 | 4< | 24 | | | 0.010 | 0.020 |
| MAXIMUM | | | | | | | 84 | 4400 | 40 | 172 | 19.5 | 14.0 | 0.010 | 0.048 |
| ARITH MEAN | | | | | | | 27L | 1376L | 10L | 45L | 8.0 | 11.4 | 0.006 | 0.023 |
| GEOM MEAN | | | | | | | 17L | 151L | 5L | 16L | 3.7 | 11.2 | 0.006 | 0.022 |
| MINIMUM | | | | | | | 4< | 4< | 2< | 4< | 0.0 | 8.0 | 0.004 | 0.016 |
| STD DEV | | | | | | | 30L | 1951L | 15L | 66L | 9.6 | 2.3 | 0.002 | 0.012 |
| NO OF SAMPLES | | | | | | | 6 | 6 | 6 | 6 | 5 | 5 | 6 | 6 |

| TEST-NAME: | | | | | COND25 | SSO4UR | ALKT | PH | FWPH | ASUT | ALUT | CRUT | CUUT | PBUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB |
| 80 01 23 1255 | | | 3 | 1 | 35.0 | 9.000 | 5 | 6.59 | | | | | | |
| 80 02 19 1300 | | | 3 | 1 | 36.0 | 9.500 | 4.0 | 6.53 | | | | | | |
| 80 03 18 1100 | | | 3 | 1 | 40.0 | 10.000 | 7.0 | 6.48 | | | | | | |
| 80 06 30 1320 | | | 3 | 1 | | | | | | 0.001< | 0.020< | 0.020< | 0.010< | 0.030< |
| 80 07 25 1400 | | | 3 | 1 | 33.0 | 9.000 | 6.0 | 6.83 | | | | | | |
| 80 09 30 1335 | | | 3 | 1 | 34 | 9.0 | 8 | 6.65 | 7.6 | | | | | |
| 80 10 29 | | | 3 | 1 | 35.0 | 8.500 | 6.0 | 6.65 | | | | | | |
| MAXIMUM | | | | | 40.0 | 10.000 | 8 | 6.83 | 7.6 | 0.001 | 0.020 | 0.020 | 0.010 | 0.030 |
| ARITH MEAN | | | | | 35 | 9.1 | 6 | 6.62 | 7.6 | 0.001L | 0.020L | 0.020L | 0.010L | 0.030L |
| GEOM MEAN | | | | | 35 | 9.1 | 5 | 6.62 | | | | | | |
| MINIMUM | | | | | 33.0 | 8.500 | 4.0 | 6.48 | 7.6 | 0.001< | 0.020< | 0.020< | 0.010< | 0.030< |
| STD DEV | | | | | 2 | 0.5 | 1 | 0.12 | | | | | | |
| NO OF SAMPLES | | | | | 6 | 6 | 6 | 6 | 1 | 1 | 1 | 1 | 1 | 1 |

| TEST-NAME: | | | | | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 06 30 1320 | | | 3 | 1 | 0.005< | 0.010< | 0.030 | 0.020< |
| MAXIMUM | | | | | 0.005 | 0.010 | 0.030 | 0.020 |
| ARITH MEAN | | | | | 0.005L | 0.010L | 0.030 | 0.020L |
| GEOM MEAN | | | | | | | | |
| MINIMUM | | | | | 0.005< | 0.010< | 0.030 | 0.020< |
| STD DEV | | | | | | | | |
| NO OF SAMPLES | | | | | 1 | 1 | 1 | 1 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **ROSSEAU RIVER**
SAMPLE POINT: **HIGHWAY 141 NEAR ROSSEAU FALLS**
STATION TYPE: **RIVER FLOW GAUGE FED 02EB103**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **MUSKOKA RIVER**

STATION ID: **03-0085-028-02**
STORET CODE: **02**
**002**
**2980**

LAT: LONG: U.T.M. **17 0611175.0 5010275.0 4** REGION: **03** DISTANCE **72.740**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 16 1055 | | .3 | 1 | 20304 | 6 | 150 | 1200 | 4< | 8 | 0 0 | 9 2 | 0 015 | 0 172 |
| 80 02 25 1150 | | .3 | 1 | 20312 | 6 | 190 | 210 | 4< | 4< | 0 5 | 9 2 | 0 021 | 0 292 |
| 80 04 01 1130 | | .3 | 1 | 20320 | 3 6 | 140 | 1500 | 8 | 4< | 2 0 | 9 8 | 0 016 | 0 124 |
| 80 04 21 1145 | | .3 | 1 | 20328 | 6 8 3 | 300 | 540 | 8 | 4< | 10 0 | 7 2 | | |
| 80 06 17 1140 | | .3 | 1 | 20337 | 6 | 940C | 5100 | 100 | 8 | 15 0 | 5 8 | 0 037 | 0 048 |
| 80 07 23 1051 | | .3 | 1 | 20345 | 6 | | | | | 22 5 | 5 0 | 0 058 | 0 120 |
| 80 08 28 1041 | | .3 | 1 | 20353 | 7 6 | 120C | 12000 | 40 | 180 | 21 0 | 5 4 | 0 041 | 0 054 |
| 80 09 29 1140 | | .3 | 1 | 20361 | 6 | 320 | 2500 | 40 | 104 | 9 0 | 6 2 | 0 024 | 0 046 |
| 80 10 27 1237 | | .3 | 1 | 20369 | 6 3 | 70I | 200 | 24 | 196 | 4 0 | 8 2 | 0 030 | 0 016 |
| 80 11 25 1156 | | .3 | 1 | 20377 | 6 8 | 280 | 1990 | 4< | 12 | 6 0 | 10 0 | 0 012 | 0 056 |
| 80 12 10 1226 | | .3 | 1 | 20385 | 6 | | | | | 1 0 | 9 6 | 0 010 | 0 086 |
| MAXIMUM | | | | | | 940 | 12000 | 100 | 196 | 22.5 | 10.0 | 0.058 | 0.292 |
| ARITH MEAN | | | | | | 279 | 2804 | 26L | 58L | 8.3 | 7.8 | 0.026 | 0.101 |
| GEOM MEAN | | | | | | 212 | 1323 | 14L | 18L | 4.5 | 7.6 | 0.023 | 0.077 |
| MINIMUM | | | | | | 70 | 200 | 4< | 4< | 0.0 | 5.0 | 0.010 | 0.016 |
| STD DEV | | | | | | 283 | 3787 | 32L | 81L | 8.1 | 1.9 | 0.015 | 0.082 |
| NO OF SAMPLES | | | | | | 9 | 9 | 9 | 9 | 11 | 11 | 10 | 10 |

| TEST-NAME: | | | | COND25 | SSO4UR | ALKT | PH | FWPH | ASUT | ALUT | CRUT | CUUT | PBUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB |
| 80 01 16 1055 | | .3 | 1 | 40 5 | 12 000 | 5 | 6 03 | | | | | | |
| 80 02 25 1150 | | .3 | 1 | 45 0 | 12 500 | 9 0 | 6 16 | 5 9 | | | | | |
| 80 04 01 1130 | | .3 | 1 | 33 0 | 9 000 | 4 0 | 5 88 | 7 1 | | | | | |
| 80 04 21 1145 | | .3 | 1 | | | | | 5 6 | | | | | |
| 80 06 17 1140 | | .3 | 1 | 35 0 | 9 500 | 11 0 | 6 68 | 6 2 | 0 001< | 0 360 | | 0 010< | 0 030< |
| 80 07 23 1051 | | .3 | 1 | 37 0 | 8 500 | 13 0 | 6 62 | 6 2 | | | | | |
| 80 08 28 1041 | | .3 | 1 | 42 | 8 5 | 10 | 6 55 | 6 9 | | | | | |
| 80 09 29 1140 | | .3 | 1 | 35 0 | 9 500 | 8 0 | 6 08 | 6 9 | 0 001< | 0 30 | 0 002< | 0 001< | 0 003< |
| 80 10 27 1237 | | .3 | 1 | 330 | 10 0 | 5 | 5 89 | | | | | | |
| 80 11 25 1156 | | .3 | 1 | | 9 500 | 6 0 | 6 12 | 6 2 | | | | | |
| 80 12 10 1226 | | .3 | 1 | 35 0 | 11 500 | 6 0 | 6 01 | 6 5 | | | | | |
| MAXIMUM | | | | 330 | 12.500 | 13.0 | 6.68 | 7.1 | 0.001 | 0.360 | 0.002 | 0.010 | 0.030 |
| ARITH MEAN | | | | 70 | 10.0 | 7 | 6.20 | 6.4 | 0.001L | 0.33 | 0.002L | 0.005L | 0.016L |
| GEOM MEAN | | | | 47 | 9.9 | 7 | 6.20 | 6.4 | 0.001L | 0.32 | | 0.003L | 0.009L |
| MINIMUM | | | | 33.0 | 8.500 | 4.0 | 5.88 | 5.6 | 0.001< | 0.30 | 0.002< | 0.001< | 0.003< |
| STD DEV | | | | 97 | 1.4 | 3 | 0.30 | 0.5 | 0.000L | 0.04 | | 0.006L | 0.019L |
| NO OF SAMPLES | | | | 9 | 10 | 10 | 10 | 9 | 2 | 2 | 1 | 2 | 2 |

| TEST-NAME: | | | | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 06 17 1140 | | 3 | 1 | 0 005 < | 0 010< | 0 020< | 0 020< |
| 80 10 27 1237 | | 3 | 1 | 0 0002< | 0 010 | 0 002< | 0 002< |
| MAXIMUM | | | | 0.005 | 0.010 | 0.020 | 0.020 |
| ARITH MEAN | | | | 0.002 L | 0.010L | 0.011L | 0.011L |
| GEOM MEAN | | | | 0.001 L | 0.010L | 0.006L | 0.006L |
| MINIMUM | | | | 0.0002< | 0.010< | 0.002< | 0.002< |
| STD DEV | | | | 0.003 L | 0.000L | 0.013L | 0.013L |
| NO OF SAMPLES | | | | 2 | 2 | 2 | 2 |

B.O.W./ SITE: **EAST RIVER**
SAMPLE POINT: **HIGHWAY 11 5 MILES NORTH OF HUNTSVILLE**
STATION TYPE: **RIVER FLOW GAUGE MOE 02EB101**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **MUSKOKA RIVER**

STATION ID: **03-0085-032-02**
STORET CODE: **02**
**002**
**2980**

LAT: LONG: U.T.M. **17 0639200.0 5026400.0 4** REGION: **03** DISTANCE **140.170**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 23 1050 | | 3 | 1 | 20404 | 6 | 50I | 200 | 4 | 4< | 0.0 | 12 0 | 0 017 | 0 112 |
| 80 06 30 1150 | | .3 | 1 | 20422 | 6 | 710C | 8000 | 20 | 8 | 20.0 | 11 0 | | |
| 80 07 25 1000 | | 3 | 1 | 20428 | | 280C | 1960 | 132 | 236 | | | 0 013 | 0 034 |
| 80 09 30 0940 | | 3 | 1 | 20434 | 6 | 460 | 1740 | 16 | 20 | 13 5 | 9 0 | 0 009 | 0 024 |
| 80 10 29 | | 3 | 1 | 20440 | 8 | 360 | 3400 | 8 | 12 | | | 0 013 | 0 020 |
| MAXIMUM | | | | | | 710 | 8000 | 132 | 236 | 20.0 | 12.0 | 0.017 | 0.112 |
| ARITH MEAN | | | | | | 372 | 3060 | 36 | 56L | 11.2 | 10.7 | 0.013 | 0.047 |
| GEOM MEAN | | | | | | 278 | 1793 | 17 | 18L | 6.5 | 10.6 | 0.013 | 0.037 |
| MINIMUM | | | | | | 50 | 200 | 4 | 4< | 0.0 | 9.0 | 0.009 | 0.020 |
| STD DEV | | | | | | 242 | 2985 | 54 | 101L | 10.2 | 1.5 | 0.003 | 0.043 |
| NO OF SAMPLES | | | | | | 5 | 5 | 5 | 5 | 3 | 3 | 4 | 4 |

(CONTD)

B.O.W / SITE: **EAST RIVER**
SAMPLE POINT: **HIGHWAY 11 5 MILES NORTH OF HUNTSVILLE**
STATION TYPE: **RIVER FLOW GAUGE MOE 02EB101**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **MUSKOKA RIVER**

STATION ID: **03-0085-032-02**
STORET CODE: **02**
**002**
**2980**

LAT
LONG
U T M: **17 0639200.0 5026400.0 4**
REGION: **03**
DISTANCE: **140.170**

| TEST-NAME: | | | | COND25 | SSO4UR | ALKT | PH | FWPH | ASUT | ALUT | CRUT | CUUT | PBUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB |
| 80 01 23 1050 | | 3 | 1 | 43 0 | 11 500 | 7 | 6 45 | | | | | | |
| 80 06 30 1150 | | 3 | 1 | | | | | | 0 001< | 0 020< | 0 020< | 0 010< | 0 030< |
| 80 07 25 1000 | | 3 | 1 | 39 0 | 9 000 | 8 0 | 6 98 | | | | | | |
| 80 09 30 0940 | | 3 | 1 | 38 | 9 0 | 8 | 6 69 | 6 6 | | | | | |
| 80 10 29 | | 3 | 1 | 34 0 | 9 000 | 6 0 | 6 35 | | | | | | |
| MAXIMUM | | | | 43.0 | 11.500 | 8.0 | 6.98 | 6.6 | 0.001 | 0.020 | 0.020 | 0.010 | 0.030 |
| ARITH MEAN | | | | 38 | 9.6 | 7 | 6.62 | 6.6 | 0.001L | 0.020L | 0.020L | 0.010L | 0.030L |
| GEOM MEAN | | | | 38 | 9.5 | 7 | 6.61 | | | | | | |
| MINIMUM | | | | 34.0 | 9.000 | 6.0 | 6.35 | 6.6 | 0.001< | 0.020< | 0.020< | 0.010< | 0.030< |
| STD DEV | | | | 3 | 1.2 | 1 | 0.28 | | | | | | |
| NO OF SAMPLES | | | | 4 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 |

| TEST-NAME: | | | | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 06 30 1150 | | 3 | 1 | 0 005< | 0 020 | 0 070 | 0 020< |
| MAXIMUM | | | | 0.005 | 0.020 | 0.070 | 0.020 |
| ARITH MEAN | | | | 0.005L | 0.020 | 0.070 | 0.020L |
| GEOM MEAN | | | | | | | |
| MINIMUM | | | | 0.005< | 0.020 | 0.070 | 0.020< |
| STD DEV | | | | | | | |
| NO OF SAMPLES | | | | 1 | 1 | 1 | 1 |

B.O.W / SITE: **MUSKOKA RIVER**
SAMPLE POINT: **AT DOCK TRANS-CANADA PIPELINE CROSSING**
STATION TYPE: **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **MUSKOKA RIVER**

STATION ID: **03-0085-035-02**
STORET CODE: **02**
**002**
**2980**

LAT
LONG
U T M: **17 0631700.0 4987100.0 4**
REGION: **03**
DISTANCE: **63.085**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 16 1145 | | 3 | 1 | 20305 | 4 6 | 60I | 150 | 4< | 4< | 1 5 | 10 4 | 0 2 | 0.017 |
| 80 02 25 1315 | | 3 | 1 | 20313 | 4 6 | 20I | 40 | 4 | 4 | 0 5 | 9 0 | 0 2 | 0.004 |
| 80 04 01 1245 | | 3 | 1 | 20321 | 3 6 | 2220 | 1800 | 600> | 120 | 5 0 | 9 4 | 0 2 | 0.014 |
| 80 04 21 1320 | | 3 | 1 | 20329 | 6 3 | 100I | 120 | 10< | 10< | 6 0 | 10 6 | | |
| 80 06 17 1310 | | 3 | 1 | 20338 | 6 | 1020C | 3400 | 66 | 18 | 16 0 | 6 0 | 0 6 | 0 009 |
| 80 07 23 1133 | | 3 | 1 | 20346 | 6 | | | | | 23 0 | 6 0 | | |
| 80 08 28 1121 | | 3 | 1 | 20354 | 8 5 | 400C | 6800 | 32 | 12 | 23 0 | 6 6 | | 0 009 |
| 80 09 29 1225 | | 3 | 1 | 20362 | 8 5 | 120I | 1120 | 20 | 12 | 15 0 | 7 6 | 0 6 | 0 006 |
| 80 10 27 0125 | | 3 | 1 | 20370 | 6 | 290 | 1600 | 8 | 72 | 7 0 | 8 8 | 0 2< | 0 012 |
| 80 11 25 1250 | | 3 | 1 | 20378 | 6 | 70I | 350 | 4< | 4< | 7 0 | 10 8 | 0 4 | 0 006 |
| 80 12 10 1300 | | 3 | 1 | 20386 | 6 | | | | | 1 5 | 10 4 | 0 2< | 0 009 |
| MAXIMUM | | | | | | 2220 | 6800 | 600> | 120 | 23.0 | 10.8 | 0.6 | 0.017 |
| ARITH MEAN | | | | | | 478 | 1709 | 838 | 28L | 9.6 | 8.7 | 0.3L | 0.010 |
| GEOM MEAN | | | | | | 186 | 643 | 178 | 13L | 5.7 | 8.5 | 0.3L | 0.009 |
| MINIMUM | | | | | | 20 | 40 | 4< | 4< | 0.5 | 6.0 | 0.2< | 0.004 |
| STD DEV | | | | | | 724 | 2200 | 1958 | 40L | 8.3 | 1.9 | 0.2L | 0.004 |
| NO OF SAMPLES | | | | | | 9 | 9 | 9 | 9 | 11 | 11 | 8 | 9 |

| TEST-NAME: | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 16 1145 | | 3 | 1 | 0 001< | 0 032 | 0 320 | 0 003 | 0 247 | 0 282 | 0 288 | 0 570 | 30 00 | 0 70 |
| 80 02 25 1315 | | 3 | 1 | 0 001 | 0 032 | 0 260 | 0 003 | 0 247 | 0 282 | 0 228 | 0 510 | 32 00 | 0 30 |
| 80 04 01 1245 | | 3 | 1 | 0 002 | 0 048 | 0 260 | 0 003 | 0 264 | 0 315 | 0 212 | 0 527 | 34 00 | 5 00 |
| 80 06 17 1310 | | 3 | 1 | 0 001< | 0 018 | 0 260 | 0 003 | 0 172 | 0 193 | 0 242 | 0 435 | 30 00 | 1 00 |
| 80 08 28 1121 | | 3 | 1 | 0 001 | 0 028 | 0 32 | 0 003 | 0 092 | 0 123 | 0 292 | 0 415 | | |
| 80 09 29 1225 | | 3 | 1 | 0 001< | 0 026 | 0 280 | 0 002 | 0 128 | 0 156 | 0 254 | 0 410 | 30 00 | 3 00 |
| 80 10 27 0125 | | 3 | 1 | 0 001 | 0 016 | 0 29 | 0 002 | 0 163 | 0 181 | 0 274 | 0 455 | 31 | 4 |
| 80 11 25 1250 | | 3 | 1 | 0 001 | 0 016 | 0 250 | 0 001 | 0 274 | 0 291 | 0 234 | 0 525 | | |
| 80 12 10 1300 | | 3 | 1 | 0 003 | 0 020 | 0 270 | 0 002 | 0 218 | 0 240 | 0 250 | 0 490 | 32 00 | 2 00 |
| MAXIMUM | | | | 0.003 | 0.048 | 0.32 | 0.003 | 0.274 | 0.315 | 0.292 | 0.570 | 34.00 | 5.00 |
| ARITH MEAN | | | | 0.001L | 0.026 | 0.27 | 0.002 | 0.201 | 0.229 | 0.253 | 0.482 | 31 | 2 |
| GEOM MEAN | | | | 0.001L | 0.025 | 0.27 | 0.002 | 0.190 | 0.219 | 0.251 | 0.479 | 31 | 1 |
| MINIMUM | | | | 0.001< | 0.016 | 0.250 | 0.001 | 0.092 | 0.123 | 0.212 | 0.410 | 30.00 | 0.30 |
| STD DEV | | | | 0.001L | 0.010 | 0.02 | 0.001 | 0.065 | 0.088 | 0.027 | 0.056 | 1 | 1 |
| NO OF SAMPLES | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 7 |

(CONTD)

| TEST-NAME: | | | | RSF | COND25 | CLIDUR | SSO4UR | ALKT | PH | FWPH | ASUT | ALUT | CRUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR |
| 80 01 16 1145 | | .3 | 1 | 29.000 | 44.5 | 2.150 | 10.500 | 8 | 6.69 | | | | |
| 80 02 25 1315 | | .3 | 1 | 32.000 | 50.0 | 2.300 | 11.000 | 11.0 | 7.09 | 6.3 | | | |
| 80 04 01 1245 | | .3 | 1 | 29.000 | 44.0 | 2.350 | 9.500 | 7.0 | 6.52 | 7.0 | | | |
| 80 04 21 1320 | | .3 | 1 | | | | | | | 6.1 | | | |
| 80 06 17 1310 | | .3 | 1 | 29.000 | 44.0 | 2.200 | 9.500 | 8.0 | 6.99 | 6.3 | 0.001< | 0.040 | |
| 80 07 23 1133 | | 3 | 1 | | | | | | | 6.6 | | | |
| 80 08 28 1121 | | .3 | 1 | | | 2.10 | 8.5 | 8 | | 6.9 | | | |
| 80 09 29 1225 | | .3 | 1 | 27.000 | 42.0 | 2.250 | 9.000 | 8.0 | 6.62 | 6.9 | | | |
| 80 10 27 0125 | | .3 | 1 | 27 | 41 | 2.05 | 9.0 | 7 | 6.52 | | 0.001< | 0.13 | 0.002< |
| 80 11 25 1250 | | .3 | 1 | | | 2.150 | 9.000 | 7.0 | 6.67 | 6.2 | | | |
| 80 12 10 1300 | | .3 | 1 | 30.000 | 46.0 | 2.200 | 10.000 | 8.0 | 7.10 | 6.8 | | | |
| MAXIMUM | | | | 32.000 | 50.0 | 2.350 | 11.000 | 11.0 | 7.10 | 7.0 | 0.001 | 0.13 | 0.002 |
| ARITH MEAN | | | | 29 | 44 | 2.19 | 9.5 | 8 | 6.77 | 6.6 | 0.001L | 0.08 | 0.002L |
| GEOM MEAN | | | | 28 | 44 | 2.19 | 9.5 | 7 | 6.77 | 6.6 | 0.001L | 0.07 | |
| MINIMUM | | | | 27.000 | 41 | 2.05 | 8.5 | 7.0 | 6.52 | 6.1 | 0.001< | 0.040 | 0.002< |
| STD DEV | | | | 1 | 2 | 0.09 | 0.8 | 1 | 0.25 | 0.3 | 0.000L | 0.06 | |
| NO OF SAMPLES | | | | 7 | 7 | 9 | 9 | 9 | 8 | 9 | 2 | 2 | 1 |

| TEST-NAME: | | | | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 06 17 1310 | | .3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020< |
| 80 10 27 0125 | | .3 | 1 | 0.001< | 0.003< | 0.0002< | 0.006 | 0.002< | 0.002< |
| MAXIMUM | | | | 0.010 | 0.030 | 0.005 | 0.010 | 0.020 | 0.020 |
| ARITH MEAN | | | | 0.006L | 0.016L | 0.002 L | 0.008L | 0.011L | 0.011L |
| GEOM MEAN | | | | 0.003L | 0.009L | 0.001 L | 0.008L | 0.006L | 0.006L |
| MINIMUM | | | | 0.001< | 0.003< | 0.0002< | 0.006< | 0.002< | 0.002< |
| STD DEV | | | | 0.006L | 0.019L | 0.003 L | 0.003L | 0.013L | 0.013L |
| NO OF SAMPLES | | | | 2 | 2 | 2 | 2 | 2 | 2 |

B.O.W./SITE: **MOON RIVER**
SAMPLE POINT: **HWY 69 6 MILES N.OF HWY.69&660 JUNCTION**
STATION TYPE: **RIVER FLOW GAUGE FED 02EB011**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **MOON RIVER**

STATION ID: **03-0092-001-02**
STORET CODE: **02**
**002**
**3230**

LAT.
LONG:
U.T.M. **17 0595650.0 4990450.0 4**
REGION: **03**
DISTANCE: **16.737**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 16 1015 | | .3 | 1 | 20306 | 4 6 | 3.290 | 90I | 330 | 4< | 12 | 1.0 | 9.0 | 0.6 |
| 80 02 25 1025 | | .3 | 1 | 20314 | 4 6 | 1.770 | 20 | 12 | 2 | 2< | 0.6 | 9.8 | 0.6 |
| 80 04 01 1015 | | 3 | 1 | 20322 | 9 6 | 9.310 | 140 | 1040 | 4< | 4< | 4.0 | 9.8 | 0.2 |
| 80 04 21 1030 | | .3 | 1 | 20330 | 6 3 | 251.000 | 30I | 90 | 4< | 4< | 5.5 | 12.0 | |
| 80 06 17 1005 | | 3 | 1 | 20334 | 9 6 | 4.890 | 128C | 1440 | 24 | 2 | 11.0 | 6.4 | 0.4 |
| 80 07 23 0935 | | .3 | 1 | 20342 | 6 | 5.330 | | | | | 23.0 | 6.4 | |
| 80 08 28 0924 | | 3 | 1 | 20350 | 9 6 | 5.020 | 10< | 190 | 4< | 44 | 23.0 | 6.4 | 0.6 |
| 80 09 29 1020 | | .3 | 1 | 20358 | 8 6 | 18.600 | 76 | 400 | 4 | 4< | 14.5 | 5.2 | 0.3 |
| 80 10 27 1111 | | .3 | 1 | 20366 | 6 | 9.630 | 430C | 3000 | 4 | 8 | 6.5 | 7.2 | 0.2 |
| 80 11 25 1023 | | .3 | 1 | 20374 | 6 | 6.500 | 50I | 580 | 4< | 4< | 4.5 | 10.6 | 0.8 |
| 80 12 10 1006 | | 3 | 1 | 20382 | 6 | 7.910 | | | | | 2.0 | 10.6 | 0.2< |
| MAXIMUM | | | | | | 251.000 | 430 | 3000 | 24 | 44 | 23.0 | 12.0 | 0.8 |
| ARITH MEAN | | | | | | 29.386 | 108L | 787 | 6L | 9L | 8.7 | 8.5 | 0.4L |
| GEOM MEAN | | | | | | 8.484 | 63L | 346 | 5L | 6L | 5.1 | 8.2 | 0.4L |
| MINIMUM | | | | | | 1.770 | 10< | 12 | 2< | 2< | 0.6 | 5.2 | 0.2< |
| STD DEV | | | | | | 73.637 | 129L | 951 | 7L | 13L | 8.2 | 2.2 | 0.2L |
| NO OF SAMPLES | | | | | | 11 | 9 | 9 | 9 | 9 | 11 | 11 | 9 |

| TEST-NAME: | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 16 1015 | | .3 | 1 | 0.019 | 0.009 | 0.068 | 0.350 | 0.003 | 0.212 | 0.283 | 0.282 | 0.565 | 38.00 |
| 80 02 25 1025 | | .3 | 1 | 0.002 | 0.001 | 0.040 | 0.270 | 0.005 | 0.257 | 0.302 | 0.230 | 0.532 | 33.00 |
| 80 04 01 1015 | | .3 | 1 | 0.011 | 0.001 | 0.058 | 0.360 | 0.003 | 0.206 | 0.267 | 0.302 | 0.569 | 33.00 |
| 80 06 17 1005 | | .3 | 1 | 0.007 | 0.001< | 0.014 | 0.270 | 0.003 | 0.212 | 0.229 | 0.256 | 0.485 | 30.00 |
| 80 07 23 0935 | | .3 | 1 | 0.010 | 0.002 | 0.044 | 0.270 | 0.003 | 0.197 | 0.244 | 0.226 | 0.470 | 31.00 |
| 80 08 28 0924 | | 3 | 1 | 0.006 | 0.001< | 0.012 | 0.24 | 0.003 | 0.162 | 0.177 | 0.228 | 0.405 | 30 |
| 80 09 29 1020 | | .3 | 1 | 0.004 | 0.001< | 0.016 | 0.230 | 0.001 | 0.184 | 0.201 | 0.214 | 0.415 | 30.00 |
| 80 10 27 1111 | | .3 | 1 | 0.011 | 0.001 | 0.022 | 0.35 | 0.003 | 0.137 | 0.162 | 0.328 | 0.490 | 29 |
| 80 11 25 1023 | | .3 | 1 | 0.008 | 0.002 | 0.026 | 0.290 | 0.001 | 0.204 | 0.231 | 0.264 | 0.495 | 29.00 |
| 80 12 10 1006 | | .3 | 1 | 0.022 | 0.010 | 0.030 | 0.350 | 0.003 | 0.183 | 0.216 | 0.320 | 0.536 | 30.00 |
| MAXIMUM | | | | 0.022 | 0.010 | 0.068 | 0.360 | 0.005 | 0.257 | 0.302 | 0.328 | 0.569 | 38.00 |
| ARITH MEAN | | | | 0.010 | 0.003L | 0.033 | 0.29 | 0.003 | 0.195 | 0.231 | 0.265 | 0.496 | 31 |
| GEOM MEAN | | | | 0.008 | 0.002L | 0.028 | 0.29 | 0.003 | 0.193 | 0.227 | 0.262 | 0.493 | 31 |
| MINIMUM | | | | 0.002 | 0.001< | 0.012 | 0.230 | 0.001 | 0.137 | 0.162 | 0.214 | 0.405 | 29 |
| STD DEV | | | | 0.006 | 0.004L | 0.019 | 0.05 | 0.001 | 0.032 | 0.045 | 0.041 | 0.058 | 2 |
| NO OF SAMPLES | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

(CONTD)

B O W / SITE **MOON RIVER**
SAMPLE POINT **HWY 69 6 MILES N.OF HWY.69/400 JUNCTION**
STATION TYPE **RIVER FLOW GAUGE FED 02EB011**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **MOON RIVER**

STATION ID **03-0092-001-02**
STORET CODE **02**
**002**
**3230**

LAT LONG U T M **17 0595650.0 4990450.0 4** REGION **03** DISTANCE **16.737**

| TEST-NAME: | | | | RSP | COND25 | TURB | CLIDUR | SSO4UR | ALKT | PH | FWPH | ASUT | ALUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ RESIDUE PARTIC MG/L | CONDUCT 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF REAC MG/L AS CL | SULPHATE UNF REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL |
| 80 01 16 1015 | | | 3 1 | 1.00 | 57.0 | 1.70 | 5.100 | 10.500 | 6 | 6.38 | | | |
| 80 02 25 1025 | | | 3 1 | 1.00 | 49.0 | 0.80 | 3.400 | 10.500 | 9.0 | 6.55 | 6.1 | | |
| 80 04 01 1015 | | | 3 1 | 2.00 | 48.0 | | 4.800 | 9.000 | 6.0 | 6.62 | 6.8 | | |
| 80 04 21 1030 | | | 3 1 | | | | | | | | 6.0 | | |
| 80 06 17 1005 | | | 3 1 | 1.00 | 45.0 | 1.00 | 2.550 | 9.500 | 9.0 | 7.21 | 6.4 | 0.001< | 0.020 |
| 80 07 23 0935 | | | 3 1 | 1.00 | 46.0 | 0.55 | 2.650 | 8.500 | 12.0 | 6.82 | 6.8 | | |
| 80 08 28 0924 | | | 3 1 | 1 < | 46 | 0.40 | 2.55 | 8.5 | 8 | 6.84 | 6.8 | | |
| 80 09 29 1020 | | | 3 1 | 0.50 | 44.0 | 0.42 | 2.650 | 9.500 | 7.0 | 6.78 | 6.7 | | |
| 80 10 27 1111 | | | .3 1 | 2 | 42 | 0.65 | 3.10 | 9.0 | 6 | 6.20 | 6.8 | 0.001< | 0.140 |
| 80 11 25 1023 | | | 3 1 | 0.40 | 44.0 | 0.55 | 2.800 | 8.500 | 7.0 | 6.32 | 6.2 | | |
| 80 12 10 1006 | | | .3 1 | 1.00 | 44.0 | 0.50 | 3.250 | 5.500 | 7.0 | 6.34 | 6.7 | | |
| MAXIMUM | | | | **2.00** | **57.0** | **1.70** | **5.100** | **10.500** | **12.0** | **7.21** | **6.8** | **0.001** | **0.140** |
| ARITH MEAN | | | | **1 L** | **46** | **0.73** | **3.28** | **8.9** | **7** | **6.61** | **6.5** | **0.001L** | **0.080** |
| GEOM MEAN | | | | **0 L** | **46** | **0.66** | **3.18** | **8.7** | **7** | **6.60** | **6.5** | **0.001L** | **0.053** |
| MINIMUM | | | | **0.40<** | **42** | **0.40** | **2.550** | **5.500** | **6** | **6.20** | **6.0** | **0.001<** | **0.020** |
| STD DEV | | | | **0 L** | **4** | **0.41** | **0.92** | **1.4** | **1** | **0.31** | **0.3** | **0.000L** | **0.085** |
| NO OF SAMPLES | | | | **10** | **10** | **9** | **10** | **10** | **10** | **10** | **10** | **2** | **2** |

| TEST-NAME: | | | | | CRUT | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 06 17 1005 | | | 3 | 1 | | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020< |
| 80 10 27 1111 | | | .3 | 1 | 0.002< | 0.001< | 0.003< | 0.0002< | 0.006 | 0.002< | 0.002< |
| MAXIMUM | | | | | **0.002** | **0.010** | **0.030** | **0.005** | **0.010** | **0.020** | **0.020** |
| ARITH MEAN | | | | | **0.002L** | **0.006L** | **0.016L** | **0.002 L** | **0.008L** | **0.011L** | **0.011L** |
| GEOM MEAN | | | | | | **0.003L** | **0.009L** | **0.001 L** | **0.008L** | **0.006L** | **0.006L** |
| MINIMUM | | | | | **0.002<** | **0.001<** | **0.003<** | **0.0002<** | **0.006<** | **0.002<** | **0.002<** |
| STD DEV | | | | | | **0.006L** | **0.019L** | **0.003 L** | **0.003L** | **0.013L** | **0.013L** |
| NO OF SAMPLES | | | | | **1** | **2** | **2** | **2** | **2** | **2** | **2** |

B O W / SITE **BOYNE RIVER**
SAMPLE POINT **OTTER LAKE OUTLET SOUTH OF PARRY SOUND**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **BOYNE RIVER**

STATION ID **03-0096-002-02**
STORET CODE **02**
**002**
**3500**

LAT LONG U T M **17 0582010.0 5016850.0 4** REGION **05** DISTANCE **10.943**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 01 02 1415 | | | 3 | 1 | 31711 | 6 3 | 1.5 | 10.0 | 0.012 | 0.002 | 0.036 | 0.230 | 0.002 | 0.143 |
| 80 02 07 1400 | | | .3 | 1 | 11700 | 6 | 1.0 | 11.0 | 0.007 | 0.003 | 0.054 | 0.230 | 0.010 | 0.170 |
| 80 03 04 1345 | | | 3 | 1 | 11701 | 6 | 1.0 | 11.0 | 0.006 | 0.005 | 0.046 | 0.260 | 0.002 | 0.163 |
| 80 04 02 1110 | | | 3 | 1 | 11702 | 6 3 | 3.0 | 9.0 | 0.008 | 0.002 | 0.056 | 0.230 | 0.003 | 0.220 |
| 80 05 05 1100 | | | .3 | 1 | 11703 | 6 | 14.0 | 11.0 | 0.008 | 0.001 | 0.014 | 0.260 | 0.002 | 0.118 |
| 80 06 12 1030 | | | 3 | 1 | 11704 | 6 9 | 14.5 | 9.0 | 0.019 | 0.001 | 0.021 | 0.300 | 0.002 | 0.008 |
| 80 07 03 1045 | | | 3 | 1 | 11705 | 6 | 18.0 | 7.5 | 0.010 | 0.002 | 0.040 | 0.230 | 0.004 | 0.030 |
| 80 08 06 1130 | | | .3 | 1 | 11706 | 8 | 23.0 | 7.0 | 0.002 | 0.001 | 0.012 | 0.220 | 0.002 | 0.008 |
| 80 09 29 1100 | | | .3 | 1 | 11707 | 6 9 | 12.0 | 9.0 | 0.008 | 0.001< | 0.030 | 0.260 | 0.001 | 0.019 |
| 80 10 29 1130 | | | 3 | 1 | 11708 | 3 6 | 4.5 | 9.0 | 0.005 | 0.005 | 0.014 | 0.240 | 0.001 | 0.019 |
| 80 11 25 1105 | | | .3 | 1 | 11709 | 6 | 2.0 | 11.0 | 0.006 | 0.001 | 0.026 | 0.250 | 0.001 | 0.069 |
| 80 12 30 1400 | | | 3 | 1 | 11710 | 3 9 | 0.5 | 11.0 | 0.004 | 0.001 | 0.042 | 0.250 | 0.001 | 0.104 |
| MAXIMUM | | | | | | | **23.0** | **11.0** | **0.019** | **0.005** | **0.056** | **0.300** | **0.010** | **0.220** |
| ARITH MEAN | | | | | | | **7.9** | **9.6** | **0.008** | **0.002L** | **0.033** | **0.247** | **0.003** | **0.089** |
| GEOM MEAN | | | | | | | **4.1** | **9.5** | **0.007** | **0.002L** | **0.029** | **0.246** | **0.002** | **0.053** |
| MINIMUM | | | | | | | **0.5** | **7.0** | **0.002** | **0.001<** | **0.012** | **0.220** | **0.001** | **0.008** |
| STD DEV | | | | | | | **7.9** | **1.4** | **0.004** | **0.002L** | **0.015** | **0.022** | **0.003** | **0.074** |
| NO OF SAMPLES | | | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | ALUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALUMINUM UNF.TOT. MG/L AS AL |
| 80 01 02 1415 | | | .3 | 1 | 0.181 | 0.194 | 0.375 | 30.0 | 1.0 | 29.000 | 44.0 | 0.82 | 2.250 | 0.020 |
| 80 02 07 1400 | | | 3 | 1 | 0.234 | 0.176 | 0.410 | 30.0 | 0.5 | 29.000 | 44.0 | 0.70 | 2.000 | 0.050 |
| 80 03 04 1345 | | | 3 | 1 | 0.211 | 0.214 | 0.425 | 30.0 | 0.1< | 30.000 | 46.0 | 0.63 | 1.800 | 0.030 |
| 80 04 02 1110 | | | 3 | 1 | 0.279 | 0.174 | 0.453 | 33.0 | 1.0 | 32.000 | 49.0 | 1.00 | 2.700 | 0.030 |
| 80 05 05 1100 | | | 3 | 1 | 0.134 | 0.246 | 0.380 | 33.0 | 1.0 | 32.000 | 50.0 | 0.65 | 2.500 | 0.020 |
| 80 06 12 1030 | | | 3 | 1 | 0.031 | 0.279 | 0.310 | 35.0 | 2.0 | 33.000 | 50.0 | 1.10 | 2.900 | 0.040 |
| 80 07 03 1045 | | | 3 | 1 | 0.074 | 0.190 | 0.264 | 33.0 | 1.0 | 32.000 | 49.0 | 0.80 | 2.500 | 0.020< |
| 80 08 06 1130 | | | .3 | 1 | 0.022 | 0.208 | 0.230 | 34.0 | 1.0 | 33.000 | 50.0 | 0.60 | 2.800 | 0.020< |
| 80 09 29 1100 | | | 3 | 1 | 0.050 | 0.230 | 0.280 | 38.0 | 2.0 | 36.000 | 56.0 | 0.69 | 3.300 | 0.020 |
| 80 10 29 1130 | | | .3 | 1 | 0.034 | 0.226 | 0.260 | 38.0 | 3.0 | 35.000 | 54.0 | 0.55 | 3.450 | 0.029 |
| 80 11 25 1105 | | | 3 | 1 | 0.096 | 0.224 | 0.320 | 36.0 | 2.0 | 34.000 | 52.0 | 5.80 | 2.850 | 0.022 |
| 80 12 30 1400 | | | 3 | 1 | 0.147 | 0.208 | 0.355 | 30.0 | 0.6 | 29.000 | 44.0 | 0.49 | 1.650 | 0.054 |
| MAXIMUM | | | | | **0.279** | **0.279** | **0.453** | **38.0** | **3.0** | **36.000** | **56.0** | **5.80** | **3.450** | **0.054** |
| ARITH MEAN | | | | | **0.124** | **0.214** | **0.338** | **33.3** | **1.3L** | **32.000** | **49.0** | **1.16** | **2.558** | **0.030L** |
| GEOM MEAN | | | | | **0.093** | **0.212** | **0.331** | **33.2** | **1.0L** | **31.919** | **48.9** | **0.86** | **2.499** | **0.028L** |
| MINIMUM | | | | | **0.022** | **0.174** | **0.230** | **30.0** | **0.1<** | **29.000** | **44.0** | **0.49** | **1.650** | **0.020<** |
| STD DEV | | | | | **0.087** | **0.030** | **0.072** | **3.0** | **0.8L** | **2.374** | **3.9** | **1.47** | **0.559** | **0.012L** |
| NO OF SAMPLES | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

(CONTD)

| | | | | TEST-NAME: | CRUT | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 01 02 1415 | | | .3 | 1 | 0.020< | 0.010 < | 0.030< | 0.010< | 0.020< |
| 80 02 07 1400 | | | .3 | 1 | 0.020< | 0.010 < | 0.050 | 0.020 | 0.020< |
| 80 03 04 1345 | | | .3 | 1 | 0.020< | 0.010 < | 0.030< | 0.010< | 0.020< |
| 80 04 02 1110 | | | .3 | 1 | 0.020< | 0.010 < | 0.030< | 0.010< | 0.020< |
| 80 05 05 1100 | | | .3 | 1 | 0.020< | 0.010 < | 0.030< | 0.010< | 0.020< |
| 80 06 12 1030 | | | .3 | 1 | 0.020< | 0.010 < | 0.040 | 0.010< | 0.020< |
| 80 07 03 1045 | | | .3 | 1 | 0.020< | 0.010 < | 0.030< | 0.010< | 0.020< |
| 80 08 06 1130 | | | .3 | 1 | 0.020< | 0.010 < | 0.030< | 0.010< | 0.020< |
| 80 09 29 1100 | | | .3 | 1 | 0.002< | 0.001 < | 0.006 | 0.003 | 0.002< |
| 80 10 29 1130 | | | .3 | 1 | 0.002< | 0.001 | 0.008 | 0.004 | 0.002< |
| 80 11 25 1105 | | | .3 | 1 | 0.002< | 0.001 < | 0.003< | 0.006 | 0.005 |
| 80 12 30 1400 | | | .3 | 1 | 0.001< | 0.0008 | 0.016 | 0.011 | 0.003< |
| MAXIMUM | | | | | 0.020 | 0.010 | 0.050 | 0.020 | 0.020 |
| ARITH MEAN | | | | | 0.014L | 0.007 L | 0.025L | 0.009L | 0.014L |
| GEOM MEAN | | | | | 0.008L | 0.004 L | 0.020L | 0.009L | 0.010L |
| MINIMUM | | | | | 0.001< | 0.0008< | 0.003< | 0.003< | 0.002< |
| STD DEV | | | | | 0.009L | 0.004 L | 0.014L | 0.004L | 0.008L |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 |

STATION ID 03-0097-001-02

B.O.W./ SITE: **MC CURRY LAKE OUTLET**
SAMPLE POINT: **EMIL STREET PARRY SOUND**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **MC CURRY LAKE**

STORET CODE: **02**
**002**
**3710**

LAT:
LONG.
U.T.M. **17 0576800.0 5019950.0 4**
REGION: **05**
DISTANCE: **0.322**

| | | | | TEST-NAME: | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 01 23 1115 | | | .3 | 1 | 11680 | 0 4 | 0.5 | 8.5 | 0.485 | 0.043 | 10.700 | 12.200 | 0.026 | 0.127 |
| 80 02 27 1345 | | | .3 | 1 | 11681 | 0 6 | 0.5 | 10.0 | 0.510 | 0.090 | 4.300 | 15.000 | 0.014 | 0.011 |
| 80 03 31 0940 | | | .3 | 1 | 11682 | 0 9 3 | 4.0 | 11.0 | 0.487 | 0.040 | 6.900 | 8.830 | 0.084 | 0.353 |
| 80 04 18 0915 | | | .3 | 1 | 11683 | 9 | 5.0 | 9.0 | 0.370 | 0.034 | 5.500 | 7.950 | 0.078 | 0.552 |
| 80 05 22 1030 | | | .3 | 1 | 11684 | 5 9 | 15.0 | 8.0 | 0.242 | 0.074 | 6.500 | 6.910 | 2.900 | 3.150 |
| 80 06 25 1050 | | | .3 | 1 | 11685 | 5 9 | 20.0 | 7.0 | 0.480 | 0.210 | 5.500 | | | 0.450 |
| 80 07 30 0945 | | | .3 | 1 | 11686 | | 20.0 | 4.5 | 0.370 | 0.240 | 5.700 | | 1.750 | 1.750 |
| 80 09 03 1100 | | | .3 | 1 | 11687 | 9 0 | 20.0 | 5.0 | 1.540 | 0.910 | 9.300 | 12.400 | 0.410 | 0.240 |
| 80 10 07 0850 | | | .3 | 1 | 11688 | 0 9 | 10.0 | 8.0 | 0.740 | 0.350 | 0.200 | 10.200 | 0.110 | 3.640 |
| 80 10 30 1000 | | | .3 | 1 | 11689 | 0 9 | 5.0 | 8.0 | 0.749 | 0.290 | 10.600 | 13.400 | 0.125 | 11.600 |
| 80 12 03 1000 | | | .3 | 1 | 11690 | 4 | 0.5 | 11.0 | 0.800 | 0.260 | 13.600 | 14.200 | 0.020 | 0.100 |
| 80 12 29 1010 | | | .3 | 1 | 11691 | 4 | 0.5 | 10.0 | 1.580 | 0.360 | 14.600 | 16.500 | 0.003 | 0.007 |
| MAXIMUM | | | | | | | 20.0 | 11.0 | 1.580 | 0.910 | 14.600 | 16.500 | 2.900 | 11.600 |
| ARITH MEAN | | | | | | | 8.4 | 8.3 | 0.696 | 0.242 | 7.783 | 11.759 | 0.502 | 1.832 |
| GEOM MEAN | | | | | | | 3.7 | 8.1 | 0.597 | 0.163 | 5.781 | 11.343 | 0.092 | 0.380 |
| MINIMUM | | | | | | | 0.5 | 4.5 | 0.242 | 0.034 | 0.200 | 6.910 | 0.003 | 0.007 |
| STD DEV | | | | | | | 8.2 | 2.1 | 0.437 | 0.243 | 4.111 | 3.184 | 0.944 | 3.320 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 12 | 10 | 11 | 12 |

| | | | | TEST-NAME: | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | ALUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALUMINUM UNF.TOT. MG/L AS AL |
| 80 01 23 1115 | | | .3 | 1 | 10.853 | 1.500 | 12.353 | 356.0 | 14.0 | 342.0 | 690.0 | 10.00 | 140.000 | 0.120 |
| 80 02 27 1345 | | | .3 | 1 | 4.325 | 10.700 | 15.025 | 425.0 | 16.0 | 409.0 | 760.0 | 13.00 | 155.000 | 0.080 |
| 80 03 31 0940 | | | .3 | 1 | 7.337 | 1.930 | 9.267 | 367.0 | 19.0 | 348.0 | 540.0 | 14.00 | 125.000 | 0.220 |
| 80 04 18 0915 | | | .3 | 1 | 6.130 | 2.450 | 8.580 | 324.0 | 12.0 | 312.0 | 570.0 | 15.00 | 108.000 | 0.026 |
| 80 05 22 1030 | | | .3 | 1 | 12.550 | 0.410 | 12.960 | 420.0 | 9.0 | 411.0 | 600.0 | 6.70 | 113.000 | 0.060 |
| 80 06 25 1050 | | | .3 | 1 | | | | 301.0 | 8.0 | 293.0 | 550.0 | 6.80 | 96.000 | 0.110 |
| 80 07 30 0945 | | | .3 | 1 | 9.200 | | | 325.0 | 7.0 | 318.0 | 550.0 | 1.70 | 93.500 | 0.020< |
| 80 09 03 1100 | | | .3 | 1 | 9.950 | 3.100 | 13.050 | 310.0 | 11.0 | 299.0 | 540.0 | 2.50 | 88.000 | 0.041 |
| 80 10 07 0850 | | | .3 | 1 | 3.950 | 10.000 | 13.950 | 310.0 | 6.0 | 304.0 | 520.0 | 4.00 | 91.000 | 0.083 |
| 80 10 30 1000 | | | .3 | 1 | 22.325 | 2.800 | 25.125 | 271.0 | 7.0 | 264.0 | 560.0 | 5.00 | 94.000 | |
| 80 12 03 1000 | | | .3 | 1 | 13.720 | 0.600 | 14.320 | 333.0 | 15.0 | 318.0 | 640.0 | 5.40 | | 0.150 |
| 80 12 29 1010 | | | .3 | 1 | 14.610 | 1.900 | 16.510 | 323.0 | 14.0 | 309.0 | 600.0 | 9.30 | 106.000 | 0.038 |
| MAXIMUM | | | | | 22.325 | 10.700 | 25.125 | 425.0 | 19.0 | 411.0 | 760.0 | 15.00 | 155.000 | 0.220 |
| ARITH MEAN | | | | | 10.460 | 3.539 | 14.114 | 338.7 | 11.5 | 327.2 | 593.3 | 7.78 | 109.954 | 0.086L |
| GEOM MEAN | | | | | 9.269 | 2.233 | 13.538 | 336.0 | 10.8 | 324.7 | 589.7 | 6.46 | 108.164 | 0.068L |
| MINIMUM | | | | | 3.950 | 0.410 | 8.580 | 271.0 | 6.0 | 264.0 | 520.0 | 1.70 | 88.000 | 0.020< |
| STD DEV | | | | | 5.326 | 3.694 | 4.565 | 46.2 | 4.2 | 44.3 | 71.3 | 4.47 | 21.790 | 0.061L |
| NO OF SAMPLES | | | | | 11 | 10 | 10 | 12 | 12 | 12 | 12 | 12 | 11 | 11 |

| | | | | TEST-NAME: | CRUT | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 01 23 1115 | | | .3 | 1 | 0.020< | 0.010< | 0.030< | 0.040 | 0.020< |
| 80 02 27 1345 | | | .3 | 1 | 0.020< | 0.020 | 0.030< | 0.030 | 0.020< |
| 80 03 31 0940 | | | .3 | 1 | | 0.020 | 0.030< | 0.040 | 0.020< |
| 80 04 18 0915 | | | .3 | 1 | 0.002< | 0.003 | 0.003< | 0.009 | 0.006 |
| 80 05 22 1030 | | | .3 | 1 | 0.020< | 0.010< | 0.030< | 0.010 | 0.020< |
| 80 06 25 1050 | | | .3 | 1 | | 0.050 | 0.030< | 0.010 | 0.020< |
| 80 07 30 0945 | | | .3 | 1 | 0.020< | 0.010 | 0.030< | 0.010< | 0.020< |
| 80 09 03 1100 | | | .3 | 1 | 0.002< | 0.005 | 0.003< | 0.005 | 0.002 |
| 80 10 07 0850 | | | .3 | 1 | 0.003 | 0.003 | 0.003< | 0.008 | 0.010 |
| 80 12 03 1000 | | | .3 | 1 | | 0.007 | 0.003< | 0.023 | 0.010 |
| 80 12 29 1010 | | | .3 | 1 | 0.001< | 0.015 | 0.003< | 0.022 | 0.007 |
| MAXIMUM | | | | | 0.020 | 0.050 | 0.030 | 0.040 | 0.020 |
| ARITH MEAN | | | | | 0.011L | 0.014L | 0.018L | 0.019L | 0.014L |
| GEOM MEAN | | | | | 0.006L | 0.010L | 0.011L | 0.015L | 0.012L |
| MINIMUM | | | | | 0.001< | 0.003< | 0.003< | 0.005< | 0.002< |
| STD DEV | | | | | 0.010L | 0.013L | 0.014L | 0.013L | 0.007L |
| NO OF SAMPLES | | | | | 8 | 11 | 11 | 11 | 11 |

B.O.W / SITE **MAGNETAWAN RIVER**
SAMPLE POINT **AT 1ST.BRIDGE DNSTR.FROM HIGHWAY NO 11**
STATION TYPE **RIVER FLOW GAUGE FED 02EA005**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **MAGNETAWAN RIVER**

STATION ID: **03-0124-001-02**
STORET CODE **02**
**002**
**4010**

LAT LONG U.T.M. **17 0623950.0 5053050.0 4** REGION: **05** DISTANCE: **120.376**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 03 30 1400 | | 3 | 1 | 13307 | 6 | 17.400 | 1.0 | | 0.020 | 0.001 | 0.070 | 0.370 | 0.004 |
| 80 04 26 1310 | | 3 | 1 | 13324 | 6 | 38.200 | 7.0 | 11.0 | 0.022 | 0.001< | 0.026 | 0.270 | 0.004 |
| 80 06 01 1100 | | 3 | 1 | 13336 | 6 | 5.640 | 18.0 | 9.0 | 0.013 | 0.002 | 0.016 | 0.340 | 0.003 |
| 80 06 22 1500 | | 3 | 1 | 13353 | 6 | 16.600 | 15.0 | 9.0 | 0.022 | 0.003 | 0.018 | 0.350 | 0.005 |
| 80 07 13 1410 | | 3 | 1 | 13365 | 6 | 6.140 | 23.0 | 9.0 | 0.015 | 0.001 | 0.032 | 0.460 | 0.003 |
| 80 08 03 1420 | | 3 | 1 | 13382 | 6 | 13.400 | 23.0 | 8.0 | 0.018 | 0.002 | 0.039 | 0.440 | 0.006 |
| 80 09 01 1100 | | 3 | 1 | 13394 | 6 | 5.370 | 22.0 | 8.0 | 0.017 | 0.003 | 0.044 | 0.500 | 0.005 |
| 80 10 05 1310 | | 3 | 1 | 13411 | 6 | 10.900 | 9.0 | | 0.010 | 0.001< | 0.020 | 0.400 | 0.005 |
| 80 10 30 1145 | | 3 | 1 | 13423 | 6 | 16.100 | 5.0 | | 0.020 | 0.005 | 0.020 | 0.290 | 0.003 |
| 80 11 30 0900 | | 3 | 1 | 13440 | 6 | 12.600 | 1.0 | | 0.007 | 0.001< | 0.016 | 0.32 | 0.002 |
| MAXIMUM | | | | | | 38.200 | 23.0 | 11.0 | 0.022 | 0.005 | 0.070 | 0.500 | 0.006 |
| ARITH MEAN | | | | | | 14.235 | 12.4 | 9.0 | 0.016 | 0.002L | 0.030 | 0.37 | 0.004 |
| GEOM MEAN | | | | | | 11.978 | 7.9 | 8.9 | 0.016 | 0.002L | 0.027 | 0.36 | 0.004 |
| MINIMUM | | | | | | 5.370 | 1.0 | 8.0 | 0.007 | 0.001< | 0.016 | 0.270 | 0.002 |
| STD DEV | | | | | | 9.579 | 8.9 | 1.1 | 0.005 | 0.001L | 0.017 | 0.07 | 0.001 |
| NO OF SAMPLES | | | | | | 10 | 10 | 6 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 03 30 1400 | | 3 | 1 | 0.276 | 0.350 | 0.300 | 0.650 | 39.0 | 8.0 | 31.000 | 48.0 | 2.90 | 2.300 |
| 80 04 26 1310 | | .3 | 1 | 0.226 | 0.256 | 0.244 | 0.500 | 33.0 | 7.0 | 26.000 | 40.0 | 2.30 | 1.350 |
| 80 06 01 1100 | | .3 | 1 | 0.127 | 0.146 | 0.324 | 0.470 | 32.0 | 2.0 | 30.000 | 46.0 | 1.80 | 1.800 |
| 80 06 22 1500 | | .3 | 1 | 0.105 | 0.128 | 0.332 | 0.460 | 30.0 | 4.0 | 26.000 | 40.0 | 2.00 | 1.350 |
| 80 07 13 1410 | | .3 | 1 | 0.062 | 0.097 | 0.428 | 0.525 | 32.0 | 4.0 | 28.000 | 43.0 | 2.20 | 1.300 |
| 80 08 03 1420 | | .3 | 1 | 0.034 | 0.079 | 0.401 | 0.480 | 32.0 | 5.0 | 27.000 | 41.0 | 2.00 | 1.000 |
| 80 09 01 1100 | | 3 | 1 | 0.090 | 0.139 | 0.456 | 0.595 | 36.0 | 4.0 | 32.000 | 49.0 | 1.80 | 2.050 |
| 80 10 05 1310 | | 3 | 1 | 0.115 | 0.140 | 0.380 | 0.520 | 32.00 | 2.00 | 30.000 | 46.0 | 1.50 | 2.400 |
| 80 10 30 1145 | | .3 | 1 | 0.127 | 0.150 | 0.270 | 0.420 | 30.0 | 2.0 | 28.000 | 43.0 | 1.00 | 1.500 |
| 80 11 30 0900 | | .3 | 1 | 0.153 | 0.171 | 0.304 | 0.475 | 50 | 4 | 46 | 70 | 1.1 | 1.65 |
| MAXIMUM | | | | 0.276 | 0.350 | 0.456 | 0.650 | 50 | 8.0 | 46 | 70 | 2.90 | 2.400 |
| ARITH MEAN | | | | 0.131 | 0.166 | 0.344 | 0.509 | 34 | 4 | 30 | 46 | 1.8 | 1.67 |
| GEOM MEAN | | | | 0.113 | 0.152 | 0.338 | 0.506 | 34 | 3 | 29 | 46 | 1.7 | 1.61 |
| MINIMUM | | | | 0.034 | 0.079 | 0.244 | 0.420 | 30.0 | 2.0 | 26.000 | 40.0 | 1.00 | 1.000 |
| STD DEV | | | | 0.073 | 0.080 | 0.070 | 0.068 | 6 | 2 | 5 | 8 | 0.5 | 0.46 |
| NO OF SAMPLES | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | PH |
|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PH |
| 80 04 26 1310 | | .3 | 1 | 6.51 |
| 80 06 01 1100 | | .3 | 1 | 7.22 |
| 80 06 22 1500 | | .3 | 1 | 6.72 |
| 80 07 13 1410 | | 3 | 1 | 6.83 |
| 80 08 03 1420 | | .3 | 1 | 6.91 |
| 80 09 01 1100 | | .3 | 1 | 6.84 |
| 80 10 05 1310 | | .3 | 1 | 6.45 |
| 80 10 30 1145 | | 3 | 1 | 6.75 |
| 80 11 30 0900 | | .3 | 1 | 9.32 |
| MAXIMUM | | | | 9.32 |
| ARITH MEAN | | | | 7.06 |
| GEOM MEAN | | | | 7.02 |
| MINIMUM | | | | 6.45 |
| STD DEV | | | | 0.88 |
| NO OF SAMPLES | | | | 9 |

B.O.W / SITE: **MAGNETAWAN RIVER**
SAMPLE POINT: **AT YOUNG STREET BRIDGE BURKS FALLS**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **MAGNETAWAN RIVER**

STATION ID: **03-0124-002-02**
STORET CODE: **02**
**002**
**4010**

LAT LONG: U.T.M: **17 0625000.0 5053200.0 4** REGION: **05** DISTANCE: **127.135**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MC DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 03 30 1500 | | .3 | 1 | 13309 | 6 | 1.0 | | 0.022 | 0.001 | 0.080 | 0.320 | 0.004 | 0.261 |
| 80 04 26 1425 | | .3 | 1 | 13326 | 6 | 7.0 | 11.0 | 0.019 | 0.001 | 0.014 | 0.270 | 0.004 | 0.216 |
| 80 06 01 1200 | | .3 | 1 | 13338 | 6 | 18.0 | 9.0 | 0.013 | 0.001 | 0.026 | 0.270 | 0.004 | 0.111 |
| 80 06 22 1600 | | .3 | 1 | 13355 | 6 | 15.0 | 9.0 | 0.016 | 0.002 | 0.020 | 0.330 | 0.005 | 0.106 |
| 80 07 13 1530 | | .3 | 1 | 13367 | 6 | 23.0 | 9.0 | 0.010 | 0.001 | 0.052 | 0.510 | 0.003 | 0.067 |
| 80 08 03 1520 | | .3 | 1 | 13384 | 6 | 23.0 | 8.0 | 0.012 | 0.002 | 0.019 | 0.310 | 0.005 | 0.035 |
| 80 09 01 1200 | | .3 | 1 | 13396 | 6 | 22.0 | 8.0 | 0.015 | 0.003 | 0.044 | 0.360 | 0.005 | 0.105 |
| 80 10 05 1420 | | .3 | 1 | 13413 | 6 | 9.0 | | 0.011 | 0.001< | 0.010 | 0.340 | 0.005 | 0.115 |
| 80 10 30 1300 | | .3 | 1 | 13425 | 6 | 5.0 | | 0.015 | 0.001< | 0.050 | 0.320 | 0.004 | 0.116 |
| 80 11 30 1010 | | .3 | 1 | 13442 | 6 | 1.0 | | 0.016 | 0.001 | 0.032 | 0.29 | 0.002 | 0.148 |
| MAXIMUM | | | | | | 23.0 | 11.0 | 0.022 | 0.003 | 0.080 | 0.510 | 0.005 | 0.261 |
| ARITH MEAN | | | | | | 12.4 | 9.0 | 0.015 | 0.001L | 0.035 | 0.33 | 0.004 | 0.128 |
| GEOM MEAN | | | | | | 7.9 | 8.9 | 0.015 | 0.001L | 0.029 | 0.32 | 0.004 | 0.112 |
| MINIMUM | | | | | | 1.0 | 8.0 | 0.010 | 0.001< | 0.010 | 0.270 | 0.002 | 0.035 |
| STD DEV | | | | | | 8.9 | 1.1 | 0.004 | 0.001L | 0.022 | 0.06 | 0.001 | 0.067 |
| NO OF SAMPLES | | | | | | 10 | 6 | 10 | 10 | 10 | 10 | 10 | 10 |

(CONTD)

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 03 30 1500 | | | .3 | 1 | 0.345 | 0.240 | 0.585 | 41.0 | 9.0 | 32.000 | 49.0 | 3.60 | 2.450 | 6.59 |
| 80 04 26 1425 | | | .3 | 1 | 0.234 | 0.256 | 0.490 | 33.0 | 6.0 | 27.000 | 42.0 | 2.30 | 1.300 | 7.30 |
| 80 06 01 1200 | | | .3 | 1 | 0.141 | 0.244 | 0.385 | 35.0 | 3.0 | 32.000 | 49.0 | 1.50 | 2.200 | 6.83 |
| 80 06 22 1600 | | | .3 | 1 | 0.131 | 0.310 | 0.441 | 32.0 | 3.0 | 29.000 | 44.0 | 1.90 | 2.250 | 7.05 |
| 80 07 13 1530 | | | .3 | 1 | 0.122 | 0.458 | 0.580 | 34.0 | 3.0 | 31.000 | 47.0 | 1.60 | 1.650 | 6.93 |
| 80 08 03 1520 | | | .3 | 1 | 0.059 | 0.291 | 0.350 | 30.0 | 3.0 | 27.000 | 41.0 | 1.30 | 1.300 | 6.75 |
| 80 09 01 1200 | | | .3 | 1 | 0.154 | 0.316 | 0.470 | 39.0 | 4.0 | 35.000 | 54.0 | 1.50 | 3.000 | 6.48 |
| 80 10 05 1420 | | | .3 | 1 | 0.130 | 0.330 | 0.460 | 37.0 | 2.0 | 35.000 | 54.0 | 1.50 | 2.650 | 6.78 |
| 80 10 30 1300 | | | .3 | 1 | 0.170 | 0.270 | 0.440 | 32.0 | 3.0 | 29.000 | 44.0 | 1.00 | 1.600 | 6.76 |
| 80 11 30 1010 | | | .3 | 1 | 0.182 | 0.258 | 0.440 | 59 | 3 | 29 | 45 | 0.80 | 1.65 | |
| MAXIMUM | | | | | 0.345 | 0.458 | 0.585 | 59 | 9.0 | 35.000 | 54.0 | 3.60 | 3.000 | 7.30 |
| ARITH MEAN | | | | | 0.167 | 0.297 | 0.464 | 37 | 3 | 30 | 46 | 1.70 | 2.00 | 6.83 |
| GEOM MEAN | | | | | 0.152 | 0.292 | 0.459 | 36 | 3 | 30 | 46 | 1.67 | 1.92 | 6.83 |
| MINIMUM | | | | | 0.059 | 0.240 | 0.350 | 30.0 | 2.0 | 27.000 | 41.0 | 0.80 | 1.300 | 6.48 |
| STD DEV | | | | | 0.077 | 0.066 | 0.074 | 8 | 2 | 2 | 4 | 0.79 | 0.58 | 0.24 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9 |

B.O.W / SITE: **MAGNETAWAN RIVER**
SAMPLE POINT: **AT HIGHWAY 69**
STATION TYPE: **RIVER FLOW GAUGE FED 02EA011**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **MAGNETAWAN RIVER**

STATION ID: **03-0124-003-02**

STORET CODE: **02**
**002**
**4810**

LAT: LONG: U T M: **17 0539100.0 5066900.0 4** REGION: **05** DISTANCE: **10.400**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | RSP | RSF | COND25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C |
| 80 01 16 0930 | | | .3 | 1 | 11600 | | 51.900 | 0.5 | 12.0 | 0.168 | 0.038 | 0.40 | 32.000 | |
| 80 02 12 0950 | | | .3 | 1 | 11601 | | 21.800 | 0.0 | 11.0 | 0.006 | 0.001 | 0.70 | 57.000 | |
| 80 03 13 1410 | | | .3 | 1 | 11602 | | 22.300 | 0.5 | 14.5 | 0.008 | 0.002 | 0.30 | 31.000 | |
| 80 04 03 1205 | | | .3 | 1 | 11603 | 3 | 91.000 | 0.5 | 14.0 | 0.014 | 0.002 | 1.00 | 2.900 | |
| 80 04 23 1140 | | | 3 | 1 | 11604 | 3 | 177.000 | 4.0 | 12.0 | 0.021 | | 1.00 | 28.000 | |
| 80 05 09 1400 | | | 3 | 1 | 11605 | | 49.600 | 7.5 | 10.0 | 0.014 | 0.006 | 2.00 | 27.000 | |
| 80 05 27 1330 | | | 3 | 1 | 11606 | | 32.400 | 15.0 | 9.0 | 0.011 | 0.001 | 1.00 | 26.000 | |
| 80 06 13 1130 | | | 3 | 1 | 11607 | | 23.900 | 15.0 | 9.0 | 0.008 | 0.001 | 1.00 | 27.000 | |
| 80 07 02 1410 | | | 3 | 1 | 11608 | | 69.600 | | | 0.016 | 0.001 | 2.00 | 28.000 | 43.0 |
| 80 08 19 1305 | | | 3 | 1 | 11609 | | 18.300 | 22.0 | 8.0 | 0.010 | 0.002 | 1.00 | 29.000 | 44.0 |
| 80 09 26 1150 | | | 3 | 1 | 11611 | | 35.700 | 15.0 | 9.0 | 0.003 | 0.001 | 2.00 | 27.000 | 42.0 |
| 80 10 31 1208 | | | 3 | 1 | 11611 | | 70.000 | 6.0 | 9.0 | 0.005 | 0.002 | 3.00 | 27.000 | 41.0 |
| 80 11 19 1020 | | | 3 | 1 | 11612 | 3 | 68.600 | 2.5 | 11.0 | 0.005 | 0.001 | 1.00 | 27.000 | 41.0 |
| 80 12 18 1000 | | | 3 | 1 | 11613 | | 54.000 | 0.5 | 10.0 | 0.010 | 0.002 | 2.00 | 28.000 | |
| MAXIMUM | | | | | | | 177.000 | 22.0 | 14.5 | 0.168 | 0.038 | 3.00 | 57.000 | 44.0 |
| ARITH MEAN | | | | | | | 66.150 | 6.8 | 10.7 | 0.021 | 0.006 | 1.31 | 28.350 | 42.2 |
| GEOM MEAN | | | | | | | 45.896 | 3.1 | 10.5 | 0.011 | 0.002 | 1.10 | 25.079 | 42.2 |
| MINIMUM | | | | | | | 18.300 | 0.0 | 8.0 | 0.003 | 0.001 | 0.30 | 2.900 | 41.0 |
| STD DEV | | | | | | | 41.318 | 7.4 | 2.0 | 0.042 | 0.010 | 0.76 | 10.757 | 1.3 |
| NO OF SAMPLES | | | | | | | 14 | 13 | 13 | 14 | 13 | 14 | 14 | 5 |

| TEST-NAME: | | | | | ALKT | PH | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ALK TOTAL MG/L AS CACO3 | PH | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 01 16 0930 | | | .3 | 1 | 10 | 6.98 | 0.001< | 0.020< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< |
| 80 02 12 0950 | | | .3 | 1 | 9.0 | 6.72 | 0.002 | 0 02 < | 0.02 < | 0.01 < | 0.03 < | 0.005 < | 0.01 < |
| 80 03 13 1410 | | | .3 | 1 | 10.0 | 6.72 | 0.004 | | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< |
| 80 04 03 1205 | | | .3 | 1 | 8.0 | 6.72 | 0.002 | 0.020< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.020 |
| 80 04 23 1140 | | | .3 | 1 | | | | 0.020< | 0.020< | | 0.030< | | 0.010< |
| 80 05 09 1400 | | | .3 | 1 | 7.0 | 6.80 | 0.001< | 0.030< | 0.040 | 0.010< | 0.030< | 0.005 < | 0 010< |
| 80 05 27 1330 | | | .3 | 1 | 9.0 | 6.97 | 0.001< | 0.040< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< |
| 80 06 13 1130 | | | .3 | 1 | 6.0 | 6.92 | 0.001< | 0 040< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< |
| 80 07 02 1410 | | | .3 | 1 | 7.0 | 7.07 | | | | | | | |
| 80 08 19 1305 | | | .3 | 1 | 8.0 | 6.99 | 0 001< | 0.49 | 0.006 | 0.001 | 0.003< | 0.0002< | 0.006 |
| 80 09 26 1150 | | | .3 | 1 | 8.0 | 6.80 | | | | | | | |
| 80 10 31 1208 | | | .3 | 1 | 9.0 | 6.45 | 0.001< | 0.03 < | 0.002< | 0.002 | 0.004 | 0.0004 | 0.004 |
| 80 11 19 1020 | | | .3 | 1 | 8.0 | 6.62 | 0.001< | 0.040< | 0.002< | 0.001< | 0.003< | 0.0002< | 0.005 |
| 80 12 18 1000 | | | .3 | 1 | 8.0 | 7.16 | 0.001< | 0.050 | 0.002< | 0.005 | 0.003< | 0.0002< | 0.004 |
| MAXIMUM | | | | | 10 | 7.16 | 0.004 | 0.49 | 0.040 | 0.010 | 0.030 | 0.005 | 0.020 |
| ARITH MEAN | | | | | 8 | 6.84 | 0.001L | 0.07 L | 0.01 L | 0.00 L | 0.02 L | 0.003 L | 0.00 L |
| GEOM MEAN | | | | | 8 | 6.84 | 0.001L | 0.03 L | 0.01 L | 0.00 L | 0.01 L | 0.001 L | 0.00 L |
| MINIMUM | | | | | 6.0 | 6.45 | 0.001< | 0.020< | 0.002< | 0.001< | 0.003< | 0.0002< | 0.004< |
| STD DEV | | | | | 1 | 0.20 | 0.001L | 0.13 L | 0.01 L | 0.00 L | 0.01 L | 0.002 L | 0.00 L |
| NO OF SAMPLES | | | | | 13 | 13 | 11 | 11 | 12 | 11 | 12 | 11 | 12 |

B.O.W./SITE: **BERNARD CREEK**
SAMPLE POINT: **1ST.BRIDGE DNSTR.FROM SUNDRIDGE LAGOON**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **MAGNETAWAN RIVER**

STATION ID: **03-0124-004-02**
STORET CODE: **02**
**002**
**4010**

LAT: LONG: U.T.M: **17 0622450.0 5062900.0 4** REGION: **05** DISTANCE: **133.000**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 03 30 1540 | | | .3 | 1 | 13310 | 6 | 1.0 | | 0.008 | 0.001< | 0.066 | 0.260 | 0.002 | 0.118 |
| 80 04 26 1520 | | | .3 | 1 | 13327 | 3 6 | 6.0 | 12.0 | 0.011 | 0.007 | 0.006 | 0.230 | 0.003 | 0.082 |
| 80 06 01 1300 | | | .3 | 1 | 13339 | 6 | 14.0 | 11.0 | 0.080 | 0.015 | 0.078 | 0.480 | 0.006 | 0.014 |
| 80 06 22 1645 | | | .3 | 1 | 13356 | 6 | 15.0 | 9.0 | 0.012 | 0.001 | 0.016 | 0.220 | 0.002 | 0.003 |
| 80 07 13 1610 | | | .3 | 1 | 13368 | 6 | 23.0 | 8.0 | 0.019 | 0.006 | 0.054 | 0.330 | 0.002 | 0.003 |
| 80 08 03 1600 | | | .3 | 1 | 13385 | 6 | 22.0 | 8.0 | 0.017 | 0.002 | 0.025 | 0.290 | 0.003 | 0.007 |
| 80 09 01 1245 | | | .3 | 1 | 13397 | 6 | 21.0 | 8.0 | 0.009 | 0.003 | 0.024 | 0.300 | 0.002 | 0.013 |
| 80 10 05 1500 | | | .3 | 1 | 13414 | 6 | 8.0 | | 0.009 | 0.001< | 0.016 | 0.240 | 0.002 | 0.018 |
| 80 10 30 1345 | | | .3 | 1 | 13426 | 6 | 4.0 | | 0.016 | 0.001< | 0.028 | 0.270 | 0.004 | 0.031 |
| 80 11 30 1045 | | | .3 | 1 | 13443 | 6 | 1.0 | | 0.025 | 0.001< | 0.006 | 0.25 | 0.001 | 0.059 |
| MAXIMUM | | | | | | | 23.0 | 12.0 | 0.080 | 0.015 | 0.078 | 0.480 | 0.006 | 0.118 |
| ARITH MEAN | | | | | | | 11.6 | 9.3 | 0.021 | 0.004L | 0.032 | 0.28 | 0.003 | 0.035 |
| GEOM MEAN | | | | | | | 7.3 | 9.2 | 0.016 | 0.002L | 0.023 | 0.28 | 0.002 | 0.018 |
| MINIMUM | | | | | | | 1.0 | 8.0 | 0.008 | 0.001< | 0.006 | 0.220 | 0.001 | 0.003 |
| STD DEV | | | | | | | 8.6 | 1.8 | 0.022 | 0.005L | 0.025 | 0.07 | 0.001 | 0.039 |
| NO OF SAMPLES | | | | | | | 10 | 6 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 03 30 1540 | | | .3 | 1 | 0.186 | 0.194 | 0.380 | 40.0 | 2.0 | 38.000 | 58.0 | 1.10 | 4.900 | |
| 80 04 26 1520 | | | .3 | 1 | 0.091 | 0.224 | 0.315 | 37.0 | 1.0 | 36.000 | 55.0 | 1.30 | 4.750 | 6.76 |
| 80 06 01 1300 | | | .3 | 1 | 0.098 | 0.402 | 0.500 | 50.0 | 4.0 | 46.000 | 70.0 | 1.30 | 6.800 | 7.31 |
| 80 06 22 1645 | | | .3 | 1 | 0.021 | 0.204 | 0.225 | 37.0 | 1.0 | 36.000 | 55.0 | 1.00 | 4.950 | 7.25 |
| 80 07 13 1610 | | | .3 | 1 | 0.059 | 0.276 | 0.335 | 46.0 | 4.0 | 42.000 | 65.0 | 1.20 | 6.200 | 8.15 |
| 80 08 03 1600 | | | .3 | 1 | 0.035 | 0.265 | 0.300 | 43.0 | 7.0 | 36.000 | 55.0 | 1.70 | 5.200 | 7.06 |
| 80 09 01 1245 | | | .3 | 1 | 0.039 | 0.276 | 0.315 | 37.0 | 1.0 | 36.000 | 55.0 | 0.80 | 4.850 | 6.65 |
| 80 10 05 1500 | | | .3 | 1 | 0.036 | 0.224 | 0.260 | 40.0 | 2.0 | 38.000 | 58.0 | 0.85 | 5.100 | 6.82 |
| 80 10 30 1345 | | | .3 | 1 | 0.063 | 0.242 | 0.305 | 44.0 | 5.0 | 39.000 | 60.0 | 1.00 | 5.500 | 6.85 |
| 80 11 30 1045 | | | .3 | 1 | 0.066 | 0.244 | 0.310 | 43 | 4 | 39 | 60 | 0.70 | 5.05 | 7.16 |
| MAXIMUM | | | | | 0.186 | 0.402 | 0.500 | 50.0 | 7.0 | 46.000 | 70.0 | 1.70 | 6.800 | 8.15 |
| ARITH MEAN | | | | | 0.069 | 0.255 | 0.324 | 41 | 3 | 38 | 59 | 1.09 | 5.33 | 7.11 |
| GEOM MEAN | | | | | 0.058 | 0.250 | 0.318 | 41 | 2 | 38 | 58 | 1.06 | 5.29 | 7.10 |
| MINIMUM | | | | | 0.021 | 0.194 | 0.225 | 37.0 | 1.0 | 36.000 | 55.0 | 0.70 | 4.750 | 6.65 |
| STD DEV | | | | | 0.048 | 0.069 | 0.074 | 4 | 2 | 3 | 5 | 0.29 | 0.66 | 0.45 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9 |

B.O.W./SITE: **BERNARD CREEK**
SAMPLE POINT: **AT HIGHWAY NO. 520**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **MAGNETAWAN RIVER**

STATION ID: **03-0124-005-02**
STORET CODE: **02**
**002**
**4010**

LAT: LONG: U.T.M: **17 0620725.0 5051350.0 4** REGION: **05** DISTANCE: **116.191**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 03 30 1430 | | | .3 | 1 | 13308 | 6 | 1.0 | | 0.058 | 0.004 | 0.098 | 0.580 | 0.006 | 0.319 |
| 80 04 26 1350 | | | .3 | 1 | 13325 | 6 | 8.0 | 11.0 | 0.029 | 0.002 | 0.036 | 0.360 | 0.004 | 0.116 |
| 80 06 01 1130 | | | .3 | 1 | 13337 | 6 | 14.0 | 11.0 | 0.043 | 0.010 | 0.064 | 0.500 | 0.007 | 0.073 |
| 80 06 22 1530 | | | .3 | 1 | 13354 | 6 | 15.0 | 9.0 | 0.056 | 0.007 | 0.042 | 0.650 | 0.006 | 0.094 |
| 80 07 13 1500 | | | .3 | 1 | 13366 | 6 | 23.0 | 8.0 | 0.025 | 0.003 | 0.036 | 0.400 | 0.003 | 0.032 |
| 80 08 03 1450 | | | .3 | 1 | 13383 | 6 | 22.0 | 8.0 | 0.026 | 0.003 | 0.063 | 0.490 | 0.004 | 0.046 |
| 80 09 01 1130 | | | .3 | 1 | 13395 | 6 | 21.0 | 8.0 | 0.040 | 0.009 | 0.062 | 0.680 | 0.008 | 0.122 |
| 80 10 05 1340 | | | .3 | 1 | 13412 | 6 | 8.0 | | 0.040 | 0.003 | 0.016 | 0.650 | 0.007 | 0.133 |
| 80 10 30 1230 | | | .3 | 1 | 13424 | 6 | 4.0 | | 0.016 | 0.001 | 0.018 | 0.300 | 0.003 | 0.102 |
| 80 11 30 0930 | | | .3 | 1 | 13441 | 6 | 1.0 | | 0.290 | 0.003 | 0.024 | 0.012 | 0.002 | 0.108 |
| MAXIMUM | | | | | | | 23.0 | 11.0 | 0.290 | 0.010 | 0.098 | 0.680 | 0.008 | 0.319 |
| ARITH MEAN | | | | | | | 11.7 | 9.2 | 0.062 | 0.004 | 0.046 | 0.462 | 0.005 | 0.114 |
| GEOM MEAN | | | | | | | 7.5 | 9.1 | 0.043 | 0.004 | 0.039 | 0.341 | 0.005 | 0.096 |
| MINIMUM | | | | | | | 1.0 | 8.0 | 0.016 | 0.001 | 0.016 | 0.012 | 0.002 | 0.032 |
| STD DEV | | | | | | | 8.5 | 1.5 | 0.081 | 0.003 | 0.026 | 0.205 | 0.002 | 0.079 |
| NO OF SAMPLES | | | | | | | 10 | 6 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 03 30 1430 | | | .3 | 1 | 0.423 | 0.482 | 0.905 | 70.0 | 25.0 | 45.000 | 69.0 | 8.70 | 7.200 | |
| 80 04 26 1350 | | | .3 | 1 | 0.156 | 0.324 | 0.480 | 52.0 | 13.0 | 39.000 | 60.0 | 5.40 | 5.400 | 6.71 |
| 80 06 01 1130 | | | .3 | 1 | 0.144 | 0.436 | 0.580 | 52.0 | 10.0 | 42.000 | 65.0 | 6.00 | 5.800 | 7.27 |
| 80 06 22 1530 | | | .3 | 1 | 0.142 | 0.608 | 0.750 | 52.0 | 20.0 | 32.000 | 49.0 | 8.20 | 3.900 | 6.50 |
| 80 07 13 1500 | | | .3 | 1 | 0.071 | 0.364 | 0.435 | 49.0 | 7.0 | 42.000 | 65.0 | 3.20 | 6.000 | 7.00 |
| 80 08 03 1450 | | | .3 | 1 | 0.113 | 0.427 | 0.540 | 45.0 | 6.0 | 39.000 | 60.0 | 2.40 | 5.100 | 6.74 |
| 80 09 01 1130 | | | .3 | 1 | 0.192 | 0.618 | 0.810 | 51.0 | 11.0 | 40.000 | 61.0 | 3.70 | 7.000 | 6.69 |
| 80 10 05 1340 | | | .3 | 1 | 0.156 | 0.634 | 0.790 | 56.0 | 14.0 | 42.000 | 64.0 | 5.50 | 5.100 | 6.42 |
| 80 10 30 1230 | | | .3 | 1 | 0.123 | 0.282 | 0.405 | 46.0 | 7.0 | 39.000 | 60.0 | 2.50 | 4.650 | 7.02 |
| 80 11 30 0930 | | | .3 | 1 | 0.134 | 0.012 | 0.122 | 84.0 | 12.0 | 72.000 | 110.0 | 3.50 | 5.150 | 9.59 |
| MAXIMUM | | | | | 0.423 | 0.634 | 0.905 | 84.0 | 25.0 | 72.000 | 110.0 | 8.70 | 7.200 | 9.59 |
| ARITH MEAN | | | | | 0.166 | 0.419 | 0.582 | 55.7 | 12.5 | 43.200 | 66.3 | 4.91 | 5.530 | 7.10 |
| GEOM MEAN | | | | | 0.149 | 0.311 | 0.518 | 54.7 | 11.3 | 42.274 | 64.9 | 4.47 | 5.447 | 7.06 |
| MINIMUM | | | | | 0.071 | 0.012 | 0.122 | 45.0 | 6.0 | 32.000 | 49.0 | 2.40 | 3.900 | 6.42 |
| STD DEV | | | | | 0.096 | 0.189 | 0.237 | 12.1 | 6.0 | 10.675 | 16.2 | 2.26 | 1.011 | 0.97 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9 |

(CONTD)

| | | | TEST-NAME: | ALUT | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 03 30 1430 | | .3 | 1 | 0.900 | 0.010< | 0.030< | 0.040 | 0.020< |
| 80 04 26 1350 | | .3 | 1 | 0.450 | 0.010< | 0.030< | 0.010 | 0.020< |
| 80 06 01 1130 | | .3 | 1 | 0.530 | 0.010 | 0.030< | 0.010 | 0.020< |
| 80 06 22 1530 | | .3 | 1 | 0.880 | 0.010< | 0.030< | 0.010< | 0.020< |
| 80 07 13 1500 | | .3 | 1 | 0.170 | 0.010< | 0.030< | 0.010< | 0.020< |
| 80 08 03 1450 | | .3 | 1 | 0.110 | 0.002< | 0.006< | 0.003 | 0.004< |
| 80 09 01 1130 | | .3 | 1 | 0.41 | 0.004 | 0.003< | 0.012 | 0.010 |
| 80 10 05 1340 | | .3 | 1 | 0.58 | 0.002 | 0.003< | 0.009 | 0.002< |
| 80 10 30 1230 | | .3 | 1 | 0.260 | 0.001 | 0.003< | 0.041 | 0.003 |
| 80 11 30 0930 | | .3 | 1 | 0.18 | 0.001 | 0.003< | 0.008 | 0.010 |
| MAXIMUM | | | | 0.900 | 0.010 | 0.030 | 0.041 | 0.020 |
| ARITH MEAN | | | | 0.44 | 0.006L | 0.017L | 0.015L | 0.013L |
| GEOM MEAN | | | | 0.36 | 0.004L | 0.010L | 0.012L | 0.010L |
| MINIMUM | | | | 0.110 | 0.001< | 0.003< | 0.003< | 0.002< |
| STD DEV | | | | 0.28 | 0.004L | 0.014L | 0.013L | 0.008L |
| NO OF SAMPLES | | | | 10 | 10 | 10 | 10 | 10 |

B O W / SITE: **PICKEREL RIVER**
SAMPLE POINT: **AT HIGHWAY 69**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **PICKEREL RIVER**

STATION ID: **03-0130-001-02**

STORET CODE: **02**
**002**
**5330**

LAT: LONG: U T M: **17 0533500.0 5093550.0 4** REGION: **05** DISTANCE: **27.980**

| | | | TEST-NAME: | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 01 16 1010 | | .3 | 1 | 11620 | | 1.0 | 10.0 | 0.015 | 0.003 | 0.028 | 0.290 | 0.002 | 0.073 |
| 80 02 12 0920 | | .3 | 1 | 11621 | | 0.0 | 11.0 | 0.008 | 0.001 | 0.026 | 0.230 | 0.002 | 0.065 |
| 80 02 17 1200 | | .3 | 1 | 24645 | | 0.5 | 10.0 | 0.014 | 0.003 | 0.034 | 0.330 | 0.004 | 0.086 |
| 80 03 13 1450 | | .3 | 1 | 11622 | | 0.5 | 12.5 | 0.010 | 0.002 | 0.044 | 0.350 | 0.003 | 0.097 |
| 80 04 03 1315 | | .3 | 1 | 11623 | 3 | 0.5 | 11.0 | 0.017 | 0.003 | 0.065 | 0.380 | 0.005 | 0.204 |
| 80 05 09 1435 | | .3 | 1 | 11624 | 3 | 8.0 | 10.0 | 0.014 | 0.002 | 0.030 | 0.400 | 0.003 | 0.099 |
| 80 06 13 1200 | | .3 | 1 | 11627 | | 14.0 | 9.0 | 0.014 | 0.001 | 0.036 | 0.320 | 0.002 | 0.048 |
| 80 07 29 1045 | | .3 | 1 | 11628 | | 22.0 | 7.0 | 0.039 | 0.022 | 0.033 | 0.380 | 0.003 | 0.022 |
| 80 08 19 1400 | | .3 | 1 | 11628 | | | | 0.013 | 0.003 | 0.032 | 0.360 | 0.002 | 0.005< |
| 80 10 07 1130 | | .3 | 1 | 11629 | | 12.0 | 7.0 | 0.015 | 0.006 | 0.040 | 0.290 | 0.003 | 0.092 |
| 80 10 29 1400 | | .3 | 1 | 11630 | | 7.0 | 9.5 | 0.017 | 0.001 | 0.026 | 0.300 | 0.001 | 0.069 |
| 80 12 18 1100 | | .3 | 1 | 11631 | | 0.5 | 9.0 | 0.012 | 0.003 | 0.036 | 0.290 | 0.001 | 0.049 |
| MAXIMUM | | | | | | 22.0 | 12.5 | 0.039 | 0.022 | 0.065 | 0.400 | 0.006 | 0.204 |
| ARITH MEAN | | | | | | 6.0 | 9.6 | 0.016 | 0.004 | 0.036 | 0.327 | 0.003 | 0.076L |
| GEOM MEAN | | | | | | 2.4 | 9.5 | 0.015 | 0.003 | 0.035 | 0.323 | 0.002 | 0.058L |
| MINIMUM | | | | | | 0.0 | 7.0 | 0.008 | 0.001 | 0.026 | 0.230 | 0.001 | 0.005< |
| STD DEV | | | | | | 7.4 | 1.6 | 0.008 | 0.006 | 0.011 | 0.049 | 0.001 | 0.050L |
| NO OF SAMPLES | | | | | | 11 | 11 | 12 | 12 | 12 | 12 | 12 | 12 |

| | | | TEST-NAME: | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | ALUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALUMINUM UNF.TOT. MG/L AS AL |
| 80 01 16 1010 | | .3 | 1 | 0.103 | 0.262 | 0.365 | 46.0 | 1.0 | 45.000 | 69.0 | 1.90 | 2.000 | 0.150 |
| 80 02 12 0920 | | .3 | 1 | 0.093 | 0.204 | 0.297 | 50.0 | 1.0 | 49.000 | 75.0 | 1.70 | 2.450 | 0.100 |
| 80 02 17 1200 | | .3 | 1 | 0.124 | 0.296 | 0.420 | 51.0 | 4.0 | 47.000 | 72.0 | 1.10 | 2.000 | 0.086 |
| 80 03 13 1450 | | .3 | 1 | 0.144 | 0.306 | 0.450 | 50.0 | 1.0 | 49.000 | 76.0 | 1.00 | 2.700 | 0.020< |
| 80 04 03 1315 | | .3 | 1 | 0.274 | 0.315 | 0.589 | 41.0 | 3.0 | 38.000 | 59.0 | 2.20 | 1.550 | 4.900 |
| 80 05 09 1435 | | .3 | 1 | 0.132 | 0.370 | 0.502 | 43.0 | 1.0 | 42.000 | 65.0 | 1.30 | 1.500 | 0.100 |
| 80 06 13 1200 | | .3 | 1 | 0.086 | 0.284 | 0.370 | 44.0 | 2.0 | 42.000 | 65.0 | | 1.700 | 0.030< |
| 80 07 29 1045 | | .3 | 1 | 0.058 | 0.347 | 0.405 | 43.0 | 1.0 | 42.000 | 65.0 | 0.70 | 1.550 | 0.020< |
| 80 08 19 1400 | | .3 | 1 | 0.039 | 0.328 | 0.367 | 40.0 | 1.0 | 39.000 | 60.0 | 0.70 | 1.550 | 0.053 |
| 80 10 07 1130 | | .3 | 1 | 0.135 | 0.250 | 0.385 | 46.0 | 2.0 | 44.000 | 67.0 | 1.00 | 1.850 | 0.071 |
| 80 10 29 1400 | | .3 | 1 | 0.096 | 0.274 | 0.370 | 42.0 | 2.0 | 40.000 | 62.0 | 1.30 | 1.650 | 0.067 |
| 80 12 18 1100 | | .3 | 1 | 0.086 | 0.254 | 0.340 | 60.0 | 2.0 | 51.000 | 78.0 | 4.70 | 1.950 | 0.110 |
| MAXIMUM | | | | 0.274 | 0.370 | 0.589 | 60.0 | 4.0 | 51.000 | 78.0 | 4.70 | 2.700 | 4.900 |
| ARITH MEAN | | | | 0.114 | 0.291 | 0.405 | 46.3 | 1.7 | 44.000 | 67.7 | 1.60 | 1.871 | 0.478L |
| GEOM MEAN | | | | 0.102 | 0.287 | 0.399 | 46.0 | 1.5 | 43.814 | 67.5 | 1.36 | 1.839 | 0.088L |
| MINIMUM | | | | 0.039 | 0.204 | 0.297 | 40.0 | 1.0 | 38.000 | 59.0 | 0.70 | 1.500 | 0.020< |
| STD DEV | | | | 0.059 | 0.046 | 0.078 | 5.6 | 1.0 | 4.243 | 6.3 | 1.13 | 0.380 | 1.394L |
| NO OF SAMPLES | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 11 | 12 | 12 |

| | | | TEST-NAME: | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 01 16 1010 | | .3 | 1 | 0.010< | 0.030< | 0.010< | |
| 80 02 12 0920 | | .3 | 1 | 0.010< | 0.030< | 0.010< | 0.020 |
| 80 02 17 1200 | | .3 | 1 | 0.003 | 0.005 | 0.003 | 0.008 |
| 80 03 13 1450 | | .3 | 1 | 0.010< | 0.030< | 0.010< | 0.020< |
| 80 04 03 1315 | | .3 | 1 | 0.010< | 0.030< | 0.030 | 0.020< |
| 80 05 09 1435 | | .3 | 1 | 0.010< | 0.030< | 0.010< | 0.020< |
| 80 06 13 1200 | | .3 | 1 | 0.070 | 0.030< | 0.040 | 0.020< |
| 80 07 29 1045 | | .3 | 1 | 0.010< | 0.030< | 0.010< | 0.020< |
| 80 08 19 1400 | | .3 | 1 | 0.001< | 0.003< | 0.002 | 0.002< |
| 80 10 07 1130 | | .3 | 1 | 0.001< | 0.003< | 0.002 | 0.007 |
| 80 10 29 1400 | | .3 | 1 | 0.001< | 0.003< | 0.002 | 0.003 |
| 80 12 18 1100 | | .3 | 1 | 0.005 | 0.003< | 0.002 | 0.002 |
| MAXIMUM | | | | 0.070 | 0.030 | 0.040 | 0.020 |
| ARITH MEAN | | | | 0.012L | 0.019L | 0.011L | 0.013L |
| GEOM MEAN | | | | 0.006L | 0.012L | 0.007L | 0.009L |
| MINIMUM | | | | 0.001< | 0.003< | 0.002< | 0.002< |
| STD DEV | | | | 0.019L | 0.014L | 0.012L | 0.008L |
| NO OF SAMPLES | | | | 12 | 12 | 12 | 11 |

B O W / SITE **FRENCH RIVER**
SAMPLE POINT **AT HIGHWAY 69**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **FRENCH RIVER MAIN CHANNEL**

STATION ID: **03-0133-001-02**
STORET CODE: **02**
**082**
**5430**

LAT LONG U T M **17 0532250.0 5098000.0 4** REGION: **05** DISTANCE: **28.987**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | PPUT | PPO4FR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | K'DAHL N TOTAL FIL.TOT MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 01 16 1030 | | 3 | 1 | 11640 | | 4< | 4< | 1.0 | 9.5 | 0.014 | 0.005 | 0.290 | 0.002 |
| 80 01 31 1045 | | .3 | 1 | 11641 | | | | 0.0 | 11.0 | 0.010 | | | |
| 80 02 12 0950 | | .3 | 1 | 11642 | | 10< | 10< | 0.0 | 11.0 | 0.011 | 0.002 | 0.260 | 0.002 |
| 1000 | | 3 | 1 | 11642 | | 10< | 10< | | | 0.011 | 0.002 | 0.260 | 0.002 |
| 80 02 17 1230 | | 3 | 1 | 24618 | | 10< | 10< | 0.5 | 11.0 | 0.021 | 0.003 | 0.340 | 0.002 |
| 80 02 28 1450 | | 3 | 1 | 11643 | | | | 0.0 | 11.5 | 0.008 | | | |
| 80 03 13 1520 | | 3 | 1 | 11644 | | | | 0.0 | 14.0 | 0.011 | 0.003 | 0.310 | 0.003 |
| 80 03 27 1200 | | .3 | 1 | 11645 | | | | 0.5 | 12.0 | 0.012 | 0.004 | 0.300 | 0.002 |
| 80 04 03 1350 | | 3 | 1 | 11646 | | | | 0.5 | 12.5 | 0.017 | 0.004 | 0.310 | 0.003 |
| 80 04 08 1400 | | 3 | 1 | 11647 | | | | 0.5 | 10.5 | 0.013 | | | |
| 80 04 17 1130 | | .3 | 1 | 11648 | 3 | | | 1.5 | 10.5 | 0.014 | | | |
| 80 04 30 1210 | | .3 | 1 | 11650 | 3 | | | | | 0.019 | | | |
| 80 05 09 1500 | | .3 | 1 | 11651 | 3 | | | 7.0 | 10.0 | 0.017 | 0.002 | 0.380 | 0.003 |
| 80 05 15 1300 | | 3 | 1 | 11652 | 3 | | | 8.0 | 8.0 | 0.016 | | | |
| 80 05 22 1415 | | .3 | 1 | 11651 | 3 | | | 10.0 | 10.0 | 0.015 | | | |
| 80 05 27 1445 | | .3 | 1 | 11654 | 3 | 10< | 10< | 11.0 | 9.0 | 0.015 | 0.001 | 0.380 | 0.003 |
| 80 06 13 1230 | | .3 | 1 | 11655 | | | | 14.0 | 9.0 | 0.009 | 0.002 | 0.350 | 0.003 |
| 80 06 26 1000 | | .3 | 1 | 11656 | | | | 15.5 | 8.0 | 0.013 | 0.002 | 0.260 | 0.003 |
| 80 07 29 1115 | | .3 | 1 | 11657 | | 2< | 2< | 21.0 | 7.5 | 0.009 | 0.008 | 0.300 | 0.003 |
| 80 08 19 1440 | | 3 | 1 | 11658 | | | | 21.5 | 6.5 | 0.013 | 0.001 | 0.270 | 0.001 |
| 80 10 07 1200 | | .3 | 1 | 11659 | | 2< | 4 | 12.0 | 8.0 | 0.016 | 0.011 | 0.280 | 0.027 |
| 80 10 29 1500 | | .3 | 1 | 11660 | | 4 | 4 | 7.0 | 8.0 | 0.020 | 0.004 | 0.260 | 0.001 |
| 80 11 18 1230 | | 3 | 1 | 11661 | | | | 4.0 | 9.0 | 0.011 | | | |
| 80 12 03 1230 | | .3 | 1 | 11662 | | | | 0.5 | 11.0 | 0.016 | 0.005 | 0.300 | 0.002 |
| 80 12 18 1130 | | 3 | 1 | 11603 | | | | 0.5 | 13.0 | 0.011 | | | |
| 80 12 30 1145 | | 3 | 1 | 11664 | | | | 0.5 | | 0.013 | 0.002 | 0.330 | 0.002 |
| MAXIMUM | | | | | | 10 | 10 | 21.5 | 14.0 | 0.021 | 0.011 | 0.380 | 0.027 |
| ARITH MEAN | | | | | | 6L | 7L | 5.7 | 10.0 | 0.014 | 0.004 | 0.305 | 0.004 |
| GEOM MEAN | | | | | | 6L | 6L | 2.5 | 9.8 | 0.013 | 0.003 | 0.302 | 0.003 |
| MINIMUM | | | | | | 2< | 2< | 0.0 | 6.5 | 0.008 | 0.001 | 0.260 | 0.001 |
| STD DEV | | | | | | 4L | 4L | 6.9 | 1.9 | 0.003 | 0.003 | 0.040 | 0.006 |
| NO OF SAMPLES | | | | | | 8 | 8 | 24 | 23 | 26 | 17 | 17 | 17 |

| TEST-NAME: | | | | NNO3FR | NNKI | RSP | RSF | COND25 | ALKT | PH | ASUT | HGUT | CRUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | ALK TOTAL MG/L AS CACO3 | PH | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR |
| 80 01 16 1030 | | .3 | 1 | 0.033 | 0.325 | 0.90 | 52.000 | | 22 | 7.27 | 0.002 | 0.020< | 0.020< |
| 80 01 31 1045 | | 3 | 1 | | | 0.60 | | | | | | 0.030 | 0.040 |
| 80 02 12 0950 | | .3 | 1 | 0.055 | 0.317 | 0.60 | 52.000 | 80.0 | 24 | 7.19 | | | |
| 1000 | | 3 | 1 | 0.055 | 0.317 | 0.60 | 52.000 | 80.0 | 24.0 | 7.19 | 0.002 | 0.060 | 0.030 |
| 80 02 17 1230 | | .3 | 1 | 0.058 | 0.400 | 8.00 | 52.000 | 80.0 | 23.0 | 7.24 | 0.001< | | 0.001< |
| 80 02 28 1450 | | 3 | 1 | | | 2.00 | | | | | | 0.050 | |
| 80 03 13 1520 | | .3 | 1 | 0.657 | 0.970 | 1.00 | 52.000 | | 23.0 | 7.16 | 0.001< | 0.020< | 0.020< |
| 80 03 27 1200 | | .3 | 1 | 0.078 | 0.380 | 1.00 | 52.000 | | 21.0 | 6.93 | 0.001 | 0.020< | 0.020< |
| 80 04 03 1350 | | .3 | 1 | 0.167 | 0.480 | 2.00 | 52.000 | | 22.0 | 7.44 | 0.002 | 0.020< | 0.020 |
| 80 04 08 1400 | | .3 | 1 | | | 0.90 | | | | | | 0.020< | 0.020< |
| 80 04 17 1130 | | .3 | 1 | | | 2.00 | | 72.0 | | | | 0.020 | 0.020< |
| 80 04 30 1210 | | .3 | 1 | | | | | | | | | 0.040 | 0.020< |
| 80 05 09 1500 | | .3 | 1 | 0.097 | 0.480 | 2.00 | 46.000 | | 18.0 | 6.99 | 0.004 | 0.030< | 0.020 |
| 80 05 15 1300 | | .3 | 1 | | | | | | | | | 0.020 | 0.020< |
| 80 05 22 1415 | | .3 | 1 | | | | | 65.0 | | | | 0.030< | 0.020 |
| 80 05 27 1445 | | 3 | 1 | 0.057 | 0.440 | 3.00 | 46.000 | | 20.0 | 7.16 | 0.001< | 0.040< | 0.020< |
| 80 06 13 1230 | | .3 | 1 | 0.052 | 0.405 | 1.00 | 49.000 | | 19.0 | 7.36 | 0.001 | 0.040< | 0.020< |
| 80 06 26 1000 | | .3 | 1 | 0.027 | 0.290 | 2.00 | 46.000 | 70.0 | 19.0 | 7.33 | 0.001< | 0.030< | 0.020< |
| 80 07 29 1115 | | .3 | 1 | 0.002 | 0.305 | 1.00 | 46.000 | 70.0 | 19.0 | 7.10 | 0.001< | 0.030 | 0.020< |
| 80 08 19 1440 | | .3 | 1 | 0.004 | 0.275 | 1.00 | 46.000 | 70.0 | 18.0 | 7.36 | 0.001< | 0.04 < | 0.005 |
| 80 10 07 1200 | | .3 | 1 | 0.083 | 0.390 | 1.00 | 47.000 | 72.0 | 20.0 | 7.05 | 0.001< | 0.020< | 0.002 |
| 80 10 29 1500 | | 3 | 1 | 0.064 | 0.325 | 2.00 | 47.000 | 72.0 | 19.0 | 7.28 | 0.003 | 0.050 | 0.002< |
| 80 11 18 1230 | | .3 | 1 | | | 3.00 | | 74.0 | | | | 0.070 | 0.002< |
| 80 12 03 1230 | | .3 | 1 | 0.068 | 0.370 | 2.00 | 49.000 | 75.0 | 20.0 | 7.32 | 0.001< | 0.040< | 0.002< |
| 80 12 18 1130 | | .3 | 1 | | | 3.00 | | | | | | 0.060 | 0.002< |
| 80 12 30 1145 | | .3 | 1 | 0.033 | 0.365 | 0.70 | 73.00 | | 21.0 | 7.46 | 0.001< | 0.050 | 0.001< |
| MAXIMUM | | | | 0.657 | 0.970 | 8.00 | 73.00 | 80.0 | 24 | 7.46 | 0.004 | 0.070 | 0.040 |
| ARITH MEAN | | | | 0.094 | 0.402 | 1.80 | 50.52 | 73.3 | 20 | 7.23 | 0.001L | 0.03 L | 0.015L |
| GEOM MEAN | | | | 0.048 | 0.383 | 1.42 | 50.21 | 73.2 | 20 | 7.22 | 0.001L | 0.03 L | 0.010L |
| MINIMUM | | | | 0.002 | 0.275 | 0.60 | 46.000 | 65.0 | 18.0 | 6.93 | 0.001< | 0.020< | 0.001< |
| STD DEV | | | | 0.150 | 0.169 | 1.67 | 8.38 | 4.7 | 2 | 0.16 | 0.001L | 0.01 L | 0.010L |
| NO OF SAMPLES | | | | 17 | 17 | 23 | 17 | 12 | 17 | 17 | 16 | 24 | 24 |

| TEST-NAME: | | | | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 01 16 1030 | | .3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< |
| 80 01 31 1045 | | .3 | 1 | | 0.030< | | 0.010< |
| 1000 | | .3 | 1 | 0.010< | 0.030< | 0.005 < | 0.100 |
| 80 02 17 1230 | | .3 | 1 | 0.003 | 0.035 | 0.0002< | 0.003 |
| 80 02 28 1450 | | .3 | 1 | | 0.040 | | 0.010< |
| 80 03 13 1520 | | .3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< |
| 80 03 27 1200 | | .3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< |
| 80 04 03 1350 | | .3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010 |
| 80 04 08 1400 | | 3 | 1 | | 0.030< | | 0.010< |
| 80 04 17 1130 | | .3 | 1 | | 0.030< | | 0.020 |
| 80 04 30 1210 | | 3 | 1 | | 0.030< | | 0.010< |
| 80 05 09 1500 | | 3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< |
| 80 05 15 1300 | | .3 | 1 | | 0.030< | | 0.010< |
| 80 05 22 1415 | | .3 | 1 | | 0.030< | | 0.010< |
| 80 05 27 1445 | | 3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< |
| 80 06 13 1230 | | 3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< |
| 80 06 26 1000 | | .3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< |
| 80 07 29 1115 | | .3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< |
| 80 08 19 1440 | | .3 | 1 | 0.001 | 0.003< | 0.0002< | 0.003 |
| 80 10 07 1200 | | .3 | 1 | 0.001< | 0.003< | 0.0002< | 0.001< |
| 80 10 29 1500 | | .3 | 1 | 0.001< | 0.003< | 0.0003 | 0.001< |

(CONTD)

| TEST-NAME: | | | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|
| 80 11 18 1230 | .3 | 1 | | 0.003< | | 0.001< |
| 80 12 03 1230 | .3 | 1 | 0.001 | 0.003< | 0.0004 | 0.002 |
| 80 12 18 1130 | .3 | 1 | | 0.003< | | 0.002 |
| 80 12 30 1145 | .3 | 1 | 0.004 | 0.003< | 0.0002< | 0.003< |
| MAXIMUM | | | 0.010 | 0.040 | 0.006 | 0.100 |
| ARITH MEAN | | | 0.007L | 0.023L | 0.003 L | 0.011L |
| GEOM MEAN | | | 0.006L | 0.016L | 0.001 L | 0.007L |
| MINIMUM | | | 0.001< | 0.003< | 0.0002< | 0.001< |
| STD DEV | | | 0.004L | 0.013L | 0.002 L | 0.019L |
| NO OF SAMPLES | | | 18 | 25 | 18 | 25 |

B.O.W./ SITE: **VEUVE RIVER**
SAMPLE POINT: **AT FIRST ROAD UPSTREAM FROM CACHE BAY**
STATION TYPE: **RIVER FLOW GAUGE FED 02DD012**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **FRENCH RIVER MAIN CHANNEL**

STATION ID: **03-0133-002-02**
STORET CODE: **02**
**002**
**4530**

LAT: LONG: U T M: **17 0572300.0 5133150.0 4** REGION: **05** DISTANCE: **128.330**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N |
| 80 03 23 1430 | | .3 | 1 | 13301 | 6 | 29.900 | 1.0 | | 3.6 | 0.018 | 0.001< | 0.056 | 0.470 |
| 80 04 26 0730 | | .3 | 1 | 13315 | 6 | 26.500 | 8.0 | 10.0 | 0.8 | 0.042 | 0.006 | 0.088 | 0.510 |
| 80 05 31 1650 | | .3 | 1 | 13332 | 6 | 2.990 | 19.0 | 8.0 | 0.8 | 0.040 | 0.002 | 0.060 | 0.730 |
| 80 06 22 0930 | | .3 | 1 | 13344 | 6 | 5.510 | 17.0 | 8.0 | 0.8 | 0.036 | 0.005 | 0.070 | 0.630 |
| 80 07 12 1130 | | .3 | 1 | 13361 | 6 | 0.894 | 22.0 | 8.0 | | 0.060 | 0.023 | 0.086 | 0.660 |
| 80 08 03 0900 | | .3 | 1 | 13373 | 6 | 1.440 | 22.0 | 8.0 | 4.2 | 0.055 | 0.001 | 0.004 | 0.780 |
| 80 08 31 1130 | | .3 | 1 | 13390 | 6 | 1.280 | 23.0 | 8.0 | 0.8 | 0.050 | 0.002 | 0.112 | 0.700 |
| 80 10 04 1230 | | .3 | 1 | 13402 | 6 | 22.100 | 7.0 | | | 0.075 | 0.032 | 0.144 | 0.880 |
| 80 10 30 0830 | | .3 | 1 | 13419 | 6 | 18.400 | 5.0 | | 1.2 | 0.238 | 0.210 | 0.128 | 0.580 |
| 80 11 29 1030 | | .3 | 1 | 13431 | 6 | 10.800 | 1.0 | | 0.8 | 0.006 | 0.006 | 0.034 | 0.48 |
| MAXIMUM | | | | | | 29.900 | 23.0 | 10.0 | 4.2 | 0.238 | 0.210 | 0.144 | 0.880 |
| ARITH MEAN | | | | | | 11.981 | 12.5 | 8.3 | 1.6 | 0.062 | 0.029L | 0.078 | 0.64 |
| GEOM MEAN | | | | | | 6.274 | 7.9 | 8.3 | 1.2 | 0.043 | 0.006L | 0.059 | 0.62 |
| MINIMUM | | | | | | 0.894 | 1.0 | 8.0 | 0.8 | 0.006 | 0.001< | 0.004 | 0.470 |
| STD DEV | | | | | | 11.295 | 9.0 | 0.8 | 1.4 | 0.066 | 0.066L | 0.043 | 0.13 |
| NO OF SAMPLES | | | | | | 10 | 10 | 6 | 8 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 03 23 1430 | | .3 | 1 | 0.005 | 0.200 | 0.261 | 0.414 | 0.675 | 67.0 | 9.0 | 58.000 | 89.0 | 0.40 |
| 80 04 26 0730 | | .3 | 1 | 0.006 | 0.099 | 0.193 | 0.422 | 0.615 | 72.0 | 20.0 | 52.000 | 80.0 | 7.50 |
| 80 05 31 1650 | | .3 | 1 | 0.004 | 0.001 | 0.065 | 0.670 | 0.735 | 76.0 | 11.0 | 65.000 | 100.0 | 5.70 |
| 80 06 22 0930 | | .3 | 1 | 0.008 | 0.158 | 0.236 | 0.560 | 0.796 | 91.0 | 6.0 | 85.000 | 130.0 | 3.90 |
| 80 07 12 1130 | | .3 | 1 | 0.003 | 0.002 | 0.091 | 0.574 | 0.665 | 114.0 | 7.0 | 107.000 | 165.0 | 4.50 |
| 80 08 03 0900 | | .3 | 1 | 0.005 | 0.005< | 0.014 | 0.776 | 0.790 | 107.0 | 9.0 | 98.000 | 150.0 | 3.90 |
| 80 08 31 1130 | | .3 | 1 | 0.005 | 0.025 | 0.142 | 0.588 | 0.730 | 99.0 | 7.0 | 92.000 | 141.0 | 3.50 |
| 80 10 04 1230 | | .3 | 1 | 0.027 | 0.013 | 0.184 | 0.736 | 0.920 | 73.0 | 11.0 | 62.000 | 96.0 | 4.80 |
| 80 10 30 0830 | | .3 | 1 | 0.004 | 0.021 | 0.153 | 0.452 | 0.605 | 68.0 | 9.0 | 59.000 | 90.0 | 5.10 |
| 80 11 29 1030 | | .3 | 1 | 0.005 | 0.115 | 0.154 | 0.446 | 0.600 | 77 | 7 | 70 | 108 | 3.6 |
| MAXIMUM | | | | 0.027 | 0.200 | 0.261 | 0.776 | 0.920 | 114.0 | 20.0 | 107.000 | 165.0 | 7.50 |
| ARITH MEAN | | | | 0.007 | 0.064L | 0.149 | 0.584 | 0.713 | 84 | 9 | 74 | 114 | 4.2 |
| GEOM MEAN | | | | 0.006 | 0.022L | 0.120 | 0.580 | 0.707 | 82 | 9 | 72 | 111 | 3.6 |
| MINIMUM | | | | 0.003 | 0.001< | 0.014 | 0.414 | 0.600 | 67.0 | 6.0 | 52.000 | 80.0 | 0.40 |
| STD DEV | | | | 0.007 | 0.073L | 0.076 | 0.131 | 0.102 | 17 | 4 | 19 | 29 | 1.8 |
| NO OF SAMPLES | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | CLIDUR | PH | PHNOL | ALUT | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | CHLORIDE UNF.REAC MG/L AS CL | PH | PHENOLS UNF-REAC UG/L PHENOL | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 03 23 1430 | | .3 | 1 | 1.650 | | | 1.700 | 0.010< | 0.030< | 0.090 | 0.020< |
| 80 04 26 0730 | | .3 | 1 | 2.850 | 7.04 | 1.000< | 1.000 | 0.010< | 0.030< | 0.050 | 0.030 |
| 80 05 31 1650 | | .3 | 1 | 2.650 | 7.50 | 1.000< | 0.450 | 0.010< | 0.030< | 0.010< | 0.040 |
| 80 06 22 0930 | | .3 | 1 | 6.050 | 7.51 | 2.000 | 0.330 | 0.010 | 0.030< | 0.010< | 0.020 |
| 80 07 12 1130 | | .3 | 1 | 6.500 | 7.77 | | 0.230 | 0.010< | 0.030< | 0.010< | 0.020< |
| 80 08 03 0900 | | .3 | 1 | 5.100 | 7.13 | | 0.12 | 0.002 | 0.006< | 0.004 | 0.007 |
| 80 08 31 1130 | | .3 | 1 | 5.750 | | 2.000 | 0.19 | 0.006 | 0.003< | 0.018 | 0.005 |
| 80 10 04 1230 | | .3 | 1 | 2.850 | 6.82 | 1.000 | 0.48 | 0.056 | 0.003< | 0.007 | 0.009 |
| 80 10 30 0830 | | .3 | 1 | 2.350 | 6.87 | 1.000< | 0.440 | 0.026 | 0.006 | 0.061 | 0.009 |
| 80 11 29 1030 | | .3 | 1 | 3.30 | 7.32 | | 0.41 | 0.005 | 0.003< | 0.017 | 0.010 |
| MAXIMUM | | | | 6.500 | 7.77 | 2.000 | 1.700 | 0.056 | 0.030 | 0.090 | 0.040 |
| ARITH MEAN | | | | 3.90 | 7.24 | 1.333L | 0.53 | 0.014L | 0.017L | 0.028L | 0.017L |
| GEOM MEAN | | | | 3.56 | 7.24 | 1.260L | 0.40 | 0.010L | 0.011L | 0.017L | 0.014L |
| MINIMUM | | | | 1.650 | 6.82 | 1.000< | 0.12 | 0.002< | 0.003< | 0.004< | 0.006< |
| STD DEV | | | | 1.76 | 0.34 | 0.516L | 0.47 | 0.016L | 0.014L | 0.029L | 0.011L |
| NO OF SAMPLES | | | | 10 | 8 | 6 | 10 | 10 | 10 | 10 | 10 |

B O W / SITE **STURGEON RIVER**
SAMPLE POINT **4MI.DOWNSTREAM FROM HIGHWAY NO.17**
STATION TYPE **RIVER FLOW GAUGE FED 02DC003**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **FRENCH RIVER MAIN CHANNAL**

STATION ID **03-0133-003-02**
STORET CODE **02**
**002**
**5430**

LAT LONG U T M **17 0579100.0 5130400.0 4** REGION **05** DISTANCE **117.318**

| TEST-NAME: | | | | | SAMPLE | FWFLOW | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 06 04 1230 | | | 3 | 1 | 11772 | 74.900 | 17.5 | 10.8 | 1.4 | 0.056 | 0.001 | 0.002< | 0.380 | 0.002 |
| 80 06 23 1055 | | | 3 | 1 | 11760 | 64.400 | 16.3 | 9.2 | | | | | | |
| 80 07 08 1121 | | | 3 | 1 | 11762 | 37.700 | [illegible] 0 | 7.4 | 3.2 | 0.078 | 0.014 | 0.004 | 0.430 | 0.003 |
| 80 07 23 1120 | | | 3 | 1 | 11763 | 25.700 | 22.8 | 4.6 | 3.2 | 0.020 | 0.001 | 0.004 | 0.420 | 0.003 |
| 80 08 05 1200 | | | 3 | 1 | 11764 | 37.400 | 22.5 | 6.0 | 2.6 | 0.023 | 0.001< | 0.008 | 0.350 | 0.003 |
| 80 08 21 1120 | | | 3 | 1 | 11765 | 35.000 | 20.0 | 7.7 | 2.0 | 0.014 | 0.001< | 0.012 | 0.350 | 0.002 |
| 80 09 25 1025 | | | 3 | 1 | 11766 | 62.700 | 12.6 | 10.4 | 1.8 | 0.018 | 0.001< | 0.030 | 0.480 | 0.002 |
| MAXIMUM | | | | | | **74.900** | **22.8** | **10.8** | **3.2** | **0.078** | **0.014** | **0.030** | **0.480** | **0.003** |
| ARITH MEAN | | | | | | **48.257** | **18.8** | **8.0** | **2.4** | **0.035** | **0.003L** | **0.010L** | **0.402** | **0.002** |
| GEOM MEAN | | | | | | **45.168** | **18.5** | **7.7** | **2.3** | **0.028** | **0.002L** | **0.007L** | **0.399** | **0.002** |
| MINIMUM | | | | | | **25.700** | **12.6** | **4.6** | **1.4** | **0.014** | **0.001<** | **0.002<** | **0.350** | **0.002** |
| STD DEV | | | | | | **18.677** | **3.6** | **2.3** | **0.8** | **0.026** | **0.005L** | **0.010L** | **0.061** | **0.001** |
| NO OF SAMPLES | | | | | | **7** | **7** | **7** | **6** | **6** | **6** | **6** | **6** | **6** |

| TEST-NAME: | | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 06 04 1230 | | | 3 | 1 | 0.003 | 0.007 | 0.378 | 0.385 | 46.00 | 4.00 | 42.000 | 65.0 | 2.20 | 0.750 |
| 80 07 08 1121 | | | 3 | 1 | 0.002 | 0.009 | 0.426 | 0.435 | 50.00 | 4.00 | 46.000 | 70.0 | 2.80 | 1.200 |
| 80 07 23 1120 | | | 3 | 1 | 0.007 | 0.014 | 0.416 | 0.430 | 65.00 | 6.00 | 59.000 | 90.0 | 3.70 | 1.100 |
| 80 08 05 1200 | | | 3 | 1 | 0.002 | 0.013 | 0.342 | 0.355 | 57.00 | 5.00 | 52.000 | 80.0 | 2.70 | 0.950 |
| 80 08 21 1120 | | | 3 | 1 | 0.005< | 0.019 | 0.338 | 0.357 | 53.00 | 4.00 | 49.000 | 75.0 | 1.80 | 1.100 |
| 80 09 25 1025 | | | 3 | 1 | 0.005< | 0.037 | 0.450 | 0.487 | 47.00 | 3.00 | 43.000 | 66.0 | 1.50 | 1.150 |
| MAXIMUM | | | | | **0.007** | **0.037** | **0.450** | **0.487** | **65.00** | **6.00** | **59.000** | **90.0** | **3.70** | **1.200** |
| ARITH MEAN | | | | | **0.004L** | **0.018** | **0.392** | **0.408** | **53.00** | **4.33** | **48.500** | **74.3** | **2.45** | **1.042** |
| GEOM MEAN | | | | | **0.004L** | **0.014** | **0.389** | **0.406** | **52.82** | **4.23** | **48.168** | **73.8** | **2.34** | **1.029** |
| MINIMUM | | | | | **0.002<** | **0.007** | **0.338** | **0.355** | **46.00** | **3.00** | **42.000** | **65.0** | **1.50** | **0.750** |
| STD DEV | | | | | **0.002L** | **0.011** | **0.046** | **0.052** | **7.13** | **1.03** | **6.348** | **9.5** | **0.79** | **0.166** |
| NO OF SAMPLES | | | | | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** |

| TEST-NAME: | | | | | SSO4UR | ALKT | PH | FWPH | PHNOL | CAUR | MGUR | KKUR | NAUR | COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O |
| 80 06 04 1230 | | | 3 | 1 | 13.500 | 16.0 | 6.84 | | | 6.600 | 1.450 | 0.55 | 2.200 | 24 |
| 80 07 08 1121 | | | 3 | 1 | 13.500 | 19.0 | 7.02 | 10.2 | 8.000 | 6.800 | 1.950 | 0.60 | 3.000 | 14 |
| 80 07 23 1120 | | | 3 | 1 | 14.500 | 27.0 | 7.05 | | 28.000 | 9.200 | 2.300 | 0.70 | 4.400 | 42 |
| 80 08 05 1200 | | | 3 | 1 | 13.500 | 25.0 | 7.08 | 10.8 | 7.000 | 10.200 | 1.750 | 0.65 | 3.600 | 36 |
| 80 08 21 1120 | | | 3 | 1 | 13.000 | 22.0 | 7.10 | 7.1 | | 8.400 | 2.250 | 0.70 | 1.800 | 24 |
| 80 09 25 1025 | | | 3 | 1 | 12.000 | 18.0 | 6.68 | | | 5.800 | 1.650 | 0.65 | 3.000 | 30 |
| MAXIMUM | | | | | **14.500** | **27.0** | **7.10** | **10.8** | **28.000** | **10.200** | **2.300** | **0.70** | **4.400** | **42** |
| ARITH MEAN | | | | | **13.333** | **21.2** | **6.96** | **9.4** | **14.333** | **7.833** | **1.892** | **0.64** | **3.000** | **28** |
| GEOM MEAN | | | | | **13.312** | **20.8** | **6.96** | **9.2** | **11.618** | **7.680** | **1.866** | **0.64** | **2.875** | **27** |
| MINIMUM | | | | | **12.000** | **16.0** | **6.68** | **7.1** | **7.000** | **5.800** | **1.450** | **0.55** | **1.800** | **14** |
| STD DEV | | | | | **0.816** | **4.3** | **0.17** | **2.0** | **11.846** | **1.704** | **0.338** | **0.06** | **0.938** | **10** |
| NO OF SAMPLES | | | | | **6** | **6** | **6** | **3** | **3** | **6** | **6** | **6** | **6** | **6** |

| TEST-NAME: | | | | | CCUT | MNUT |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CARBON UNF-TOT. MG/L AS C | MANGANSE UNF.TOT. MG/L AS MN |
| 80 06 04 1230 | | | .3 | 1 | | 0.052 |
| 80 07 08 1121 | | | .3 | 1 | | 0.050 |
| 80 07 23 1120 | | | 3 | 1 | 12.8 | 0.056 |
| 80 08 05 1200 | | | .3 | 1 | | 0.050 |
| 80 08 21 1120 | | | .3 | 1 | | 0.038 |
| 80 09 25 1025 | | | 3 | 1 | | 0.056 |
| MAXIMUM | | | | | **12.8** | **0.066** |
| ARITH MEAN | | | | | **12.8** | **0.060** |
| GEOM MEAN | | | | | | **0.060** |
| MINIMUM | | | | | **12.8** | **0.038** |
| STD DEV | | | | | | **0.007** |
| NO OF SAMPLES | | | | | **1** | **6** |

B O W / SITE **STURGEON RIVER**
SAMPLE POINT **AT BRIDGE IN STURGEON FALLS**
STATION TYPE **RIVER FLOW GAUGE FED 02DC003**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **FRENCH RIVER MAIN CHANNAL**

STATION ID **03-0133-004-02**
STORET CODE **02**
**002**
**5430**

LAT LONG U T M **17 0581900.0 5135500.0 4** REGION **05** DISTANCE **124.077**

| TEST-NAME: | | | | | SAMPLE | FWFLOW | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 06 04 1430 | | | .3 | 1 | 11784 | 74.900 | 17.3 | 9.6 | 0.4 | 0.012 | 0.001< | 0.016 | 0.240 | 0.002 |
| 80 06 23 1300 | | | 3 | 1 | 11773 | 64.400 | 17.5 | 9.5 | 0.8 | 0.011 | 0.001 | 0.004 | 0.220 | 0.003 |
| 80 07 08 1240 | | | .3 | 1 | 11774 | 37.700 | 21.0 | 8.7 | 0.6 | 0.099 | 0.063 | 0.004 | 0.230 | 0.002 |
| 80 07 23 1208 | | | .3 | 1 | 11775 | 25.700 | 22.8 | 7.7 | 0.4 | 0.012 | 0.002 | 0.021 | 0.330 | 0.003 |
| 80 08 05 1200 | | | 3 | 1 | 11776 | 37.400 | 23.5 | 8.2 | 0.6 | 0.016 | 0.001 | 0.010 | 0.300 | 0.003 |
| 80 08 21 1205 | | | 3 | 1 | 11777 | 35.000 | 20.8 | 8.6 | 0.6 | 0.010 | 0.001< | 0.010 | 0.250 | 0.002 |
| 80 09 25 1110 | | | 3 | 1 | 11778 | 62.700 | 12.5 | 10.9 | 0.7 | 0.012 | 0.001< | 0.034 | 0.300 | 0.003 |

(CONTD)

| TEST-NAME: | | | | | SAMPLE | FWFLOW | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| MAXIMUM | | | | | | 74.800 | 23.5 | 10.9 | 0.8 | 0.099 | 0.063 | 0.034 | 0.330 | 0.003 |
| ARITH MEAN | | | | | | 48.257 | 19.3 | 9.0 | 0.6 | 0.026 | 0.010L | 0.014 | 0.267 | 0.003 |
| GEOM MEAN | | | | | | 45.188 | 19.0 | 9.0 | 0.6 | 0.016 | 0.002L | 0.011 | 0.264 | 0.003 |
| MINIMUM | | | | | | 25.700 | 12.5 | 7.7 | 0.4 | 0.010 | 0.001< | 0.004 | 0.220 | 0.002 |
| STD DEV | | | | | | 18.677 | 3.8 | 1.1 | 0.1 | 0.033 | 0.023L | 0.011 | 0.042 | 0.001 |
| NO OF SAMPLES | | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| TEST-NAME: | | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 06 04 1430 | | | .3 | 1 | 0.198 | 0.216 | 0.224 | 0.440 | 42.00 | 3.00 | 39.000 | 60.0 | 2.00 | 0.550 |
| 80 06 23 1300 | | | .3 | 1 | 0.027 | 0.034 | 0.216 | 0.250 | 41.00 | 2.00 | 39.000 | 60.0 | 1.70 | 0.750 |
| 80 07 08 1240 | | | .3 | 1 | 0.023 | 0.029 | 0.226 | 0.255 | 42.00 | 3.00 | 39.000 | 60.0 | 2.10 | 0.950 |
| 80 07 23 1208 | | | .3 | 1 | 0.027 | 0.051 | 0.309 | 0.360 | 52.00 | 3.00 | 49.000 | 75.0 | 1.70 | 0.750 |
| 80 08 05 1200 | | | .3 | 1 | 0.022 | 0.035 | 0.290 | 0.325 | 49.00 | 3.00 | 46.000 | 70.0 | 1.60 | 0.700 |
| 80 08 21 1205 | | | .3 | 1 | 0.005< | 0.017 | 0.240 | 0.257 | 47.00 | 1.00 | 46.000 | 70.0 | 1.30 | 0.750 |
| 80 09 25 1110 | | | .3 | 1 | 0.052 | 0.089 | 0.266 | 0.355 | 41.00 | 3.00 | 38.000 | 58.0 | 1.60 | 1.000 |
| MAXIMUM | | | | | 0.198 | 0.216 | 0.309 | 0.440 | 52.00 | 3.00 | 49.000 | 75.0 | 2.10 | 1.000 |
| ARITH MEAN | | | | | 0.051L | 0.067 | 0.253 | 0.320 | 44.86 | 2.57 | 42.286 | 64.7 | 1.71 | 0.779 |
| GEOM MEAN | | | | | 0.029L | 0.048 | 0.251 | 0.314 | 44.67 | 2.42 | 42.082 | 64.4 | 1.70 | 0.768 |
| MINIMUM | | | | | 0.005< | 0.017 | 0.216 | 0.250 | 41.00 | 1.00 | 38.000 | 58.0 | 1.30 | 0.550 |
| STD DEV | | | | | 0.066L | 0.070 | 0.036 | 0.071 | 4.45 | 0.79 | 4.536 | 6.8 | 0.27 | 0.152 |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| TEST-NAME: | | | | | SSO4UR | ALKT | PH | FWPH | PHNOL | CAUR | MGUR | KKUR | NAUR | COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O |
| 80 06 04 1430 | | | .3 | 1 | 12.500 | 15.0 | 7.36 | | | 7.000 | 1.600 | 0.50 | 1.000 | 28 |
| 80 06 23 1300 | | | .3 | 1 | 12.500 | 17.0 | 6.89 | 4.7 | | 6.800 | 1.500 | 0.35 | 0.900 | 16 |
| 80 07 08 1240 | | | .3 | 1 | 12.000 | 15.0 | 7.40 | 5.2 | 1.000< | 6.400 | 1.950 | 0.55 | 1.200 | 10< |
| 80 07 23 1208 | | | .3 | 1 | 13.000 | 23.0 | 7.27 | | 20.000 | 9.000 | 2.350 | 0.60 | 1.200 | 14 |
| 80 08 05 1200 | | | .3 | 1 | 13.000 | 20.0 | 7.39 | 6.3 | 3.000 | 9.200 | 1.450 | 0.55 | 1.500 | 36 |
| 80 08 21 1205 | | | .3 | 1 | 12.500 | 20.0 | 7.46 | 5.6 | | 8.000 | 2.050 | 0.60 | 1.300 | 18 |
| 80 09 25 1110 | | | .3 | 1 | 11.500 | 17.0 | 7.20 | | | 5.400 | 1.650 | 0.50 | 1.200 | 16 |
| MAXIMUM | | | | | 13.000 | 23.0 | 7.46 | 6.3 | 20.000 | 9.200 | 2.350 | 0.60 | 1.500 | 36 |
| ARITH MEAN | | | | | 12.429 | 18.1 | 7.28 | 5.4 | 8.000L | 7.400 | 1.793 | 0.52 | 1.186 | 20L |
| GEOM MEAN | | | | | 12.419 | 17.9 | 7.28 | 5.4 | 3.915L | 7.286 | 1.768 | 0.51 | 1.172 | 18L |
| MINIMUM | | | | | 11.500 | 15.0 | 6.89 | 4.7 | 1.000< | 5.400 | 1.450 | 0.35 | 0.900 | 10< |
| STD DEV | | | | | 0.535 | 3.0 | 0.19 | 0.7 | 10.440L | 1.395 | 0.332 | 0.09 | 0.195 | 9L |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 4 | 3 | 7 | 7 | 7 | 7 | 7 |

| TEST-NAME: | | | | | CCUT | MNUT |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CARBON UNF-TOT. MG/L AS C | MANGANSE UNF.TOT. MG/L AS MN |
| 80 06 04 1430 | | | .3 | 1 | | 0.047 |
| 80 06 23 1300 | | | .3 | 1 | | 0.048 |
| 80 07 08 1240 | | | .3 | 1 | | 0.050 |
| 80 07 23 1208 | | | .3 | 1 | 6.1 | 0.038 |
| 80 08 05 1200 | | | .3 | 1 | | 0.040 |
| 80 08 21 1205 | | | .3 | 1 | | 0.028 |
| 80 09 25 1110 | | | .3 | 1 | | 0.044 |
| MAXIMUM | | | | | 6.1 | 0.050 |
| ARITH MEAN | | | | | 6.1 | 0.042 |
| GEOM MEAN | | | | | | 0.041 |
| MINIMUM | | | | | 6.1 | 0.028 |
| STD DEV | | | | | | 0.008 |
| NO OF SAMPLES | | | | | 1 | 7 |

B.O.W./ SITE: **LAKE NIPISSING**
SAMPLE POINT: **AT AMELIA BEACH NEAR NORTH BAY**
STATION TYPE: **LAKE**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **FRENCH RIVER MAIN CHANNEL**

STATION ID: **03-0133-010-01**
STORET CODE: **02**
**002**
**5430**

LAT: LONG: U T M: **17 0618350.0 5127950.0 4** REGION: **05**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 03 23 1630 | | | .3 | 1 | 13304 | 6 | 1.0 | | 0.109 | 0.029 | 0.740 | 2.130 | 0.034 | 0.701 |
| 80 04 26 1020 | | | .3 | 1 | 13320 | 6 | 6.0 | 12.0 | 0.038 | 0.003 | 0.140 | 0.580 | 0.006 | 0.154 |
| 80 06 22 1230 | | | .3 | 1 | 13349 | | 18.0 | 9.0 | 0.030 | 0.001 | 0.004 | 0.470 | 0.007 | 0.058 |
| 80 08 03 1200 | | | .3 | 1 | 13378 | 6 | 23.0 | 9.0 | | | | | | |
| 80 10 04 1500 | | | .3 | 1 | 13407 | 6 | 9.0 | | 0.029 | 0.008 | 0.076 | 0.510 | 0.073 | 0.157 |
| 80 11 29 1330 | | | .3 | 1 | 13436 | 6 | 1.0 | | 0.013 | 0.002 | 0.066 | 0.380 | 0.004 | 0.096 |
| MAXIMUM | | | | | | | 23.0 | 12.0 | 0.109 | 0.029 | 0.740 | 2.130 | 0.073 | 0.701 |
| ARITH MEAN | | | | | | | 9.7 | 10.0 | 0.044 | 0.009 | 0.205 | 0.814 | 0.025 | 0.233 |
| GEOM MEAN | | | | | | | 5.3 | 9.9 | 0.034 | 0.004 | 0.073 | 0.646 | 0.013 | 0.157 |
| MINIMUM | | | | | | | 1.0 | 9.0 | 0.013 | 0.001 | 0.004 | 0.380 | 0.004 | 0.058 |
| STD DEV | | | | | | | 9.1 | 1.7 | 0.038 | 0.012 | 0.303 | 0.739 | 0.030 | 0.285 |
| NO OF SAMPLES | | | | | | | 6 | 3 | 5 | 5 | 5 | 5 | 5 | 5 |

(CONTD)

BOW / SITE **LAKE NIPISSING**
SAMPLE POINT **AT AMELIA BEACH NEAR NORTH BAY**
STATION TYPE **LAKE**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **FRENCH RIVER MAIN CHANNEL**

STATION ID **03-0133-010-01**
STORET CODE **02**
**002**
**5430**

LAT LONG UTM **17 0618350.0 5127950.0 4** REGION **05**

| TEST-NAME | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 03 23 1630 | | | 3 | 1 | 1.475 | 1.390 | 2.865 | 1001.0 | 15.0 | 886.0 | 1700.0 | 5.00 | 485.000 | |
| 80 04 26 1020 | | | 3 | 1 | 0.300 | 0.440 | 0.740 | 62.0 | 7.0 | 55.000 | 85.0 | 2.70 | 7.650 | 7.02 |
| 80 06 22 1230 | | | 3 | 1 | 0.069 | 0.466 | 0.535 | 294.0 | 5.0 | 289.000 | 445.0 | 4.00 | 4.600 | 11.15 |
| 80 08 03 1200 | | | 3 | 1 | | | | 66.0 | 7.0 | 59.000 | 90.0 | 2.20 | 5.000 | 7.04 |
| 80 10 04 1500 | | | 3 | 1 | 0.306 | 0.434 | 0.740 | 80.0 | 3.0 | 77.000 | 118.0 | 2.40 | 12.000 | 6.75 |
| 80 11 29 1330 | | | 3 | 1 | 0.166 | 0.314 | 0.480 | 92.0 | 4.0 | 88.000 | 136.0 | 2.00 | 16.000 | 7.33 |
| MAXIMUM | | | | | 1.475 | 1.390 | 2.865 | 1001.0 | 15.0 | 886.0 | 1700.0 | 5.00 | 485.000 | 11.15 |
| ARITH MEAN | | | | | 0.463 | 0.609 | 1.072 | 265.8 | 6.8 | 242.3 | 429.0 | 3.05 | 88.375 | 7.86 |
| GEOM MEAN | | | | | 0.274 | 0.522 | 0.834 | 143.9 | 5.9 | 133.3 | 212.8 | 2.88 | 15.937 | 7.71 |
| MINIMUM | | | | | 0.069 | 0.314 | 0.480 | 62.0 | 3.0 | 55.000 | 85.0 | 2.00 | 4.600 | 6.75 |
| STD DEV | | | | | 0.574 | 0.441 | 1.009 | 370.8 | 4.3 | 327.5 | 637.4 | 1.19 | 194.355 | 1.86 |
| NO OF SAMPLES | | | | | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 5 |

BOW / SITE **LAKE NIPISSING**
SAMPLE POINT **DOWNSTREAM GOVERNMENT DOCKS NORTH BAY**
STATION TYPE **LAKE**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **FRENCH RIVER MAIN CHANNEL**

STATION ID **03-0133-011-01**
STORET CODE **02**
**002**
**5430**

LAT LONG UTM **17 0617700.0 5129450.0 4** REGION **05**

| TEST-NAME | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 04 26 0930 | | | 3 | 1 | 13318 | 6 | 5.0 | 12.0 | 0.021 | 0.001< | 0.132 | 0.540 | 0.007 | 0.188 |
| 80 06 22 1130 | | | 3 | 1 | 13347 | 6 | 18.0 | 9.0 | 0.015 | 0.001 | 0.028 | 0.340 | 0.004 | 0.046 |
| 80 08 03 1050 | | | 3 | 1 | 13376 | 6 | 23.0 | 9.0 | 0.027 | 0.002 | 0.002 | 0.440 | 0.001 | 0.005< |
| 80 10 04 1400 | | | 3 | 1 | 13405 | 6 | 9.0 | | 0.021 | 0.006 | 0.086 | 0.380 | 0.010 | 0.035 |
| 80 11 29 1220 | | | 3 | 1 | 13434 | 6 | 1.0 | | 0.024 | 0.010 | 0.124 | 0.49 | 0.003 | 0.067 |
| MAXIMUM | | | | | | | 23.0 | 12.0 | 0.027 | 0.010 | 0.132 | 0.540 | 0.010 | 0.188 |
| ARITH MEAN | | | | | | | 11.2 | 10.0 | 0.022 | 0.004L | 0.074 | 0.43 | 0.005 | 0.068L |
| GEOM MEAN | | | | | | | 7.1 | 9.9 | 0.021 | 0.003L | 0.038 | 0.43 | 0.004 | 0.040L |
| MINIMUM | | | | | | | 1.0 | 9.0 | 0.015 | 0.001< | 0.002 | 0.340 | 0.001 | 0.005< |
| STD DEV | | | | | | | 9.1 | 1.7 | 0.004 | 0.004L | 0.058 | 0.08 | 0.004 | 0.071L |
| NO OF SAMPLES | | | | | | | 5 | 3 | 5 | 5 | 5 | 5 | 5 | 5 |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 04 26 0930 | | | 3 | 1 | 0.327 | 0.408 | 0.735 | 69.0 | 4.0 | 65.000 | 100.0 | 2.50 | 8.850 | 7.12 |
| 80 06 22 1130 | | | 3 | 1 | 0.078 | 0.312 | 0.390 | 51.0 | 2.0 | 49.000 | 75.0 | 2.90 | 2.850 | 7.11 |
| 80 08 03 1050 | | | 3 | 1 | 0.008 | 0.438 | 0.446 | 59.0 | 4.0 | 55.000 | 85.0 | 1.70 | 4.500 | 6.76 |
| 80 10 04 1400 | | | 3 | 1 | 0.131 | 0.294 | 0.425 | 52.0 | 3.0 | 49.000 | 76.0 | 1.70 | 2.700 | 6.85 |
| 80 11 29 1220 | | | 3 | 1 | 0.194 | 0.366 | 0.560 | 63 | 2 | 61 | 94 | 1.8 | 5.80 | 7.73 |
| MAXIMUM | | | | | 0.327 | 0.438 | 0.735 | 69.0 | 4.0 | 65.000 | 100.0 | 2.90 | 8.850 | 7.73 |
| ARITH MEAN | | | | | 0.148 | 0.364 | 0.511 | 58 | 3 | 55 | 86 | 2.1 | 4.94 | 7.11 |
| GEOM MEAN | | | | | 0.088 | 0.359 | 0.497 | 58 | 2 | 55 | 85 | 2.0 | 4.46 | 7.11 |
| MINIMUM | | | | | 0.008 | 0.294 | 0.390 | 51.0 | 2.0 | 49.000 | 75.0 | 1.70 | 2.700 | 6.76 |
| STD DEV | | | | | 0.121 | 0.061 | 0.140 | 7 | 1 | 7 | 11 | 0.5 | 2.53 | 0.38 |
| NO OF SAMPLES | | | | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

| TEST-NAME: | | | | | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 04 26 0930 | | | 3 | 1 | 0.010< | 0.030< | 0.060 | 0.020< |
| 80 06 22 1130 | | | 3 | 1 | 0.010< | 0.030< | 0.010< | 0.020< |
| 80 08 03 1050 | | | 3 | 1 | 0.003 | 0.006< | 0.010 | 0.004< |
| 80 10 04 1400 | | | 3 | 1 | 0.003 | 0.003< | 0.015 | 0.003 |
| 80 11 29 1220 | | | 3 | 1 | 0.006 | 0.003< | 0.018 | 0.005 |
| MAXIMUM | | | | | 0.010 | 0.030 | 0.060 | 0.020 |
| ARITH MEAN | | | | | 0.006L | 0.014L | 0.023L | 0.010L |
| GEOM MEAN | | | | | 0.006L | 0.009L | 0.017L | 0.008L |
| MINIMUM | | | | | 0.003< | 0.003< | 0.010< | 0.003< |
| STD DEV | | | | | 0.004L | 0.014L | 0.021L | 0.009L |
| NO OF SAMPLES | | | | | 5 | 5 | 5 | 5 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

STATION ID: **03-0133-012-02**

B.O.W./SITE: **DUCHESNAY RIVER**
SAMPLE POINT: **HWY.17 UPSTREAM OF NORDFIBRE**
STATION TYPE: **RIVER FLOW GAUGE FED 02DD008**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **FRENCH RIVER MAIN CHANNEL**

STORET CODE: **02**
**002**
**5430**

LAT:
LONG:
U.T.M.: **17 0614750.0 5131999.0 4**
REGION: **05**
DISTANCE: **114.743**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 04 26 0600 | | | .3 | 1 | 13313 | 6 | 7.370 | 5.0 | 12.0 | 0.023 | 0.001 | 0.046 | 0.320 | 0.005 |
| 80 06 22 0800 | | | .3 | 1 | 13342 | 6 | 3.690 | 14.0 | 10.0 | 0.031 | 0.001 | 0.026 | 0.590 | 0.007 |
| 80 08 03 0800 | | | .3 | 1 | 13371 | 6 | 0.582 | 21.0 | 8.0 | 0.052 | 0.005 | 0.006 | 0.920 | 0.015 |
| 80 10 04 1100 | | | .3 | 1 | 13400 | 6 | 3.490 | 7.0 | | 0.025 | 0.001 | 0.036 | 0.520 | 0.009 |
| 80 11 29 0900 | | | .3 | 1 | 13429 | 6 | 0.980 | 1.0 | | 0.010 | 0.001 | 0.060 | 0.38 | 0.004 |
| MAXIMUM | | | | | | | **7.370** | **21.0** | **12.0** | **0.052** | **0.005** | **0.060** | **0.920** | **0.015** |
| ARITH MEAN | | | | | | | **3.222** | **9.6** | **10.0** | **0.028** | **0.002** | **0.035** | **0.54** | **0.008** |
| GEOM MEAN | | | | | | | **2.222** | **6.3** | **9.9** | **0.025** | **0.001** | **0.027** | **0.50** | **0.007** |
| MINIMUM | | | | | | | **0.582** | **1.0** | **8.0** | **0.010** | **0.001** | **0.006** | **0.320** | **0.004** |
| STD DEV | | | | | | | **2.715** | **7.9** | **2.0** | **0.015** | **0.002** | **0.020** | **0.23** | **0.004** |
| NO OF SAMPLES | | | | | | | **5** | **5** | **3** | **5** | **5** | **5** | **5** | **5** |

| TEST-NAME: | | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 04 26 0600 | | | .3 | 1 | 0.085 | 0.136 | 0.274 | 0.410 | 28.0 | 7.0 | 21.000 | 32.0 | 2.00 | 1.600 |
| 80 06 22 0800 | | | .3 | 1 | 0.023 | 0.056 | 0.564 | 0.620 | 34.0 | 7.0 | 27.000 | 42.0 | 1.50 | 2.500 |
| 80 08 03 0800 | | | .3 | 1 | 0.055 | 0.076 | 0.914 | 0.990 | 35.0 | 8.0 | 27.000 | 42.0 | 1.50 | 3.350 |
| 80 10 04 1100 | | | .3 | 1 | 0.026 | 0.071 | 0.484 | 0.555 | 27.0 | 4.0 | 23.000 | 36.0 | 1.20 | 2.150 |
| 80 11 29 0900 | | | .3 | 1 | 0.151 | 0.215 | 0.320 | 0.535 | 34 | 2 | 32 | 49 | 0.65 | 3.15 |
| MAXIMUM | | | | | **0.151** | **0.215** | **0.914** | **0.990** | **35.0** | **8.0** | **32** | **49** | **2.00** | **3.350** |
| ARITH MEAN | | | | | **0.068** | **0.111** | **0.511** | **0.622** | **31** | **5** | **26** | **40** | **1.37** | **2.56** |
| GEOM MEAN | | | | | **0.053** | **0.098** | **0.466** | **0.595** | **31** | **5** | **25** | **39** | **1.29** | **2.46** |
| MINIMUM | | | | | **0.023** | **0.056** | **0.274** | **0.410** | **27.0** | **2** | **21.000** | **32.0** | **0.65** | **1.600** |
| STD DEV | | | | | **0.053** | **0.066** | **0.254** | **0.219** | **3** | **2** | **4** | **6** | **0.49** | **0.71** |
| NO OF SAMPLES | | | | | **5** | **5** | **5** | **5** | **5** | **5** | **5** | **5** | **5** | **5** |

| TEST-NAME: | | | | | PH | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 04 26 0600 | | | .3 | 1 | 5.34 | 0.010< | 0.030< | 0.070 | 0.020< |
| 80 06 22 0800 | | | .3 | 1 | 6.82 | 0.010< | 0.030< | 0.010< | 0.020< |
| 80 08 03 0800 | | | .3 | 1 | 6.09 | 0.002< | 0.006< | 0.010 | 0.005 |
| 80 10 04 1100 | | | .3 | 1 | 5.23 | 0.007 | 0.003< | 0.016 | 0.002< |
| 80 11 29 0900 | | | .3 | 1 | 6.74 | 0.001< | 0.003< | 0.014 | 0.003 |
| MAXIMUM | | | | | **6.82** | **0.010** | **0.030** | **0.070** | **0.020** |
| ARITH MEAN | | | | | **6.04** | **0.006L** | **0.014L** | **0.024L** | **0.010L** |
| GEOM MEAN | | | | | **6.01** | **0.004L** | **0.009L** | **0.017L** | **0.007L** |
| MINIMUM | | | | | **5.23** | **0.001<** | **0.003<** | **0.010<** | **0.002<** |
| STD DEV | | | | | **0.75** | **0.004L** | **0.014L** | **0.028L** | **0.009L** |
| NO OF SAMPLES | | | | | **5** | **5** | **5** | **5** | **5** |

STATION ID: **03-0133-013-02**

B.O.W./SITE: **DUCHESNAY RIVER**
SAMPLE POINT: **HWY.17B DOWNSTREAM OF NORDFIBRE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **FRENCH RIVER MAIN CHANNEL**

STORET CODE: **02**
**002**
**5430**

LAT:
LONG:
U.T.M.: **17 0615150.0 5131400.0 4**
REGION: **05**
DISTANCE: **114.260**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 04 26 0900 | | | .3 | 1 | 13317 | 6 | 6.0 | 12.0 | 0.022 | 0.001 | 0.040 | 0.370 | 0.005 | 0.080 |
| 80 06 22 1100 | | | .3 | 1 | 13346 | 6 | 14.0 | 9.0 | 0.026 | 0.001 | 0.020 | 0.540 | 0.007 | 0.028 |
| 80 08 03 1020 | | | .3 | 1 | 13375 | 6 | 21.0 | 8.0 | 0.052 | 0.004 | 0.006 | 0.900 | 0.013 | 0.082 |
| 80 10 04 1330 | | | .3 | 1 | 13404 | 6 | 7.0 | | 0.028 | 0.001 | 0.094 | 0.620 | 0.007 | 0.028 |
| 80 11 29 1145 | | | .3 | 1 | 13433 | 6 | 1.0 | | 0.045 | 0.001 | 0.036 | 0.38 | 0.004 | 0.161 |
| MAXIMUM | | | | | | | **21.0** | **12.0** | **0.052** | **0.004** | **0.094** | **0.900** | **0.013** | **0.161** |
| ARITH MEAN | | | | | | | **9.8** | **9.7** | **0.035** | **0.002** | **0.039** | **0.56** | **0.007** | **0.076** |
| GEOM MEAN | | | | | | | **6.6** | **9.5** | **0.033** | **0.001** | **0.028** | **0.53** | **0.007** | **0.061** |
| MINIMUM | | | | | | | **1.0** | **8.0** | **0.022** | **0.001** | **0.006** | **0.370** | **0.004** | **0.028** |
| STD DEV | | | | | | | **7.8** | **2.1** | **0.013** | **0.001** | **0.033** | **0.21** | **0.003** | **0.055** |
| NO OF SAMPLES | | | | | | | **5** | **3** | **5** | **5** | **5** | **5** | **5** | **5** |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 04 26 0900 | | | .3 | 1 | 0.125 | 0.330 | 0.455 | 33.0 | 8.0 | 25.000 | 39.0 | 2.00 | 2.800 | 6.00 |
| 80 06 22 1100 | | | .3 | 1 | 0.055 | 0.520 | 0.575 | 55.0 | 6.0 | 49.000 | 45.0 | 1.70 | 3.050 | 6.75 |
| 80 08 03 1020 | | | .3 | 1 | 0.101 | 0.894 | 0.995 | 42.0 | 9.0 | 33.000 | 50.0 | 1.70 | 5.500 | 5.98 |
| 80 10 04 1330 | | | .3 | 1 | 0.129 | 0.526 | 0.655 | 34.0 | 5.0 | 29.000 | 45.0 | 1.20 | 3.600 | 5.70 |
| 80 11 29 1145 | | | .3 | 1 | 0.201 | 0.344 | 0.545 | 51 | 2 | 49 | 75 | 0.80 | 8.80 | 6.36 |
| MAXIMUM | | | | | **0.201** | **0.894** | **0.995** | **55.0** | **9.0** | **49.000** | **75** | **2.00** | **8.80** | **6.75** |
| ARITH MEAN | | | | | **0.122** | **0.523** | **0.645** | **43** | **6** | **37** | **50** | **1.48** | **4.75** | **6.16** |
| GEOM MEAN | | | | | **0.112** | **0.488** | **0.622** | **42** | **5** | **35** | **49** | **1.41** | **4.31** | **6.16** |
| MINIMUM | | | | | **0.055** | **0.330** | **0.455** | **33.0** | **2** | **25.000** | **39.0** | **0.80** | **2.800** | **5.70** |
| STD DEV | | | | | **0.053** | **0.227** | **0.208** | **9** | **2** | **11** | **14** | **0.48** | **2.49** | **0.41** |
| NO OF SAMPLES | | | | | **5** | **5** | **5** | **5** | **5** | **5** | **5** | **5** | **5** | **5** |

(CONTD)

B O W / SITE **DUCHESNAY RIVER**
SAMPLE POINT **HWY.17B DOWNSTREAM OF NORDFIBRE**
STATION TYPE **RIVER**
MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **FRENCH RIVER MAIN CHANNEL**
STATION ID **03-0133-013-02**
STORET CODE **02**
**002**
**5430**
LAT LONG U T M **17 0615150.0 5131400.0 4** REGION **05** DISTANCE **114.260**

| TEST-NAME: | | | | | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 04 26 0900 | | | 3 | 1 | 0.010< | 0.030< | 0.050 | 0.020< |
| 80 06 22 1100 | | | 3 | 1 | 0.010< | 0.030< | 0.020 | 0.020< |
| 80 08 03 1020 | | | .3 | 1 | 0.002< | 0.006< | 0.010 | 0.004< |
| 80 10 04 1330 | | | 3 | 1 | 0.001< | 0.003< | 0.018 | 0.002< |
| 80 11 29 1145 | | | 3 | 1 | 0.006 | 0.003< | 0.026 | 0.003 |
| MAXIMUM | | | | | **0.010** | **0.030** | **0.050** | **0.020** |
| ARITH MEAN | | | | | **0.006L** | **0.014L** | **0.025** | **0.010L** |
| GEOM MEAN | | | | | **0.004L** | **0.009L** | **0.022** | **0.006L** |
| MINIMUM | | | | | **0.001<** | **0.003<** | **0.010** | **0.002<** |
| STD DEV | | | | | **0.004L** | **0.014L** | **0.015** | **0.009L** |
| NO OF SAMPLES | | | | | **5** | **5** | **5** | **5** |

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B O W / SITE **LA VASE RIVER**
SAMPLE POINT **UPSTREAM FROM DUPONT NORTH BAY**
STATION TYPE **RIVER FLOW GAUGE MOE 02DD101**
MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **FRENCH RIVER MAIN CHANNEL**
STATION ID: **03-0133-014-02**
STORET CODE: **02**
**002**
**5430**
LAT LONG U T M **17 0624650.0 5125300.0 4** REGION: **05** DISTANCE: **121.180**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 04 26 1620 | | | .3 | 1 | 13328 | 6 | 7.0 | 11.0 | 0.068 | 0.011 | 0.110 | 1.020 | 0.011 | 0.194 |
| 80 06 22 1745 | | | .3 | 1 | 13357 | 6 | 15.0 | 8.0 | 0.065 | 0.010 | 0.054 | 1.080 | 0.010 | 0.055 |
| 80 08 03 1700 | | | .3 | 1 | 13386 | 6 | 23.0 | 8.0 | 0.120 | 0.029 | 0.100 | 1.700 | 0.026 | 0.124 |
| 80 10 05 1600 | | | .3 | 1 | 13415 | 6 | 8.0 | | 0.032 | 0.004 | 0.034 | 0.800 | 0.009 | 0.026 |
| 80 11 30 1135 | | | .3 | 1 | 13444 | 6 | 1.0 | | 0.055 | 0.005 | 0.030 | 0.600 | 0.005 | 0.130 |
| MAXIMUM | | | | | | | **23.0** | **11.0** | **0.120** | **0.029** | **0.110** | **1.700** | **0.026** | **0.194** |
| ARITH MEAN | | | | | | | **10.8** | **9.0** | **0.068** | **0.012** | **0.066** | **1.040** | **0.012** | **0.106** |
| GEOM MEAN | | | | | | | **7.2** | **8.9** | **0.062** | **0.009** | **0.057** | **0.979** | **0.011** | **0.085** |
| MINIMUM | | | | | | | **1.0** | **8.0** | **0.032** | **0.004** | **0.030** | **0.600** | **0.005** | **0.026** |
| STD DEV | | | | | | | **8.4** | **1.7** | **0.032** | **0.010** | **0.037** | **0.415** | **0.008** | **0.066** |
| NO OF SAMPLES | | | | | | | **5** | **3** | **5** | **5** | **5** | **5** | **5** | **5** |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 04 26 1620 | | | .3 | 1 | 0.315 | 0.910 | 1.225 | 59.0 | 7.0 | 52.000 | 80.0 | 7.60 | 6.650 | 6.74 |
| 80 06 22 1745 | | | .3 | 1 | 0.119 | 1.026 | 1.145 | 60.0 | 11.0 | 49.000 | 75.0 | 8.30 | 4.050 | 7.15 |
| 80 08 03 1700 | | | .3 | 1 | 0.250 | 1.600 | 1.850 | 84.00 | 19.00 | 65.000 | 100.0 | 7.80 | 6.500 | 6.88 |
| 80 10 05 1600 | | | .3 | 1 | 0.069 | 0.766 | 0.835 | 45.0 | 6.0 | 39.000 | 60.0 | 3.80 | 3.050 | 6.45 |
| 80 11 30 1135 | | | .3 | 1 | 0.165 | 0.570 | 0.735 | 74.0 | 6.0 | 68.000 | 104.0 | 5.00 | 5.200 | 7.46 |
| MAXIMUM | | | | | **0.315** | **1.600** | **1.850** | **84.00** | **19.00** | **68.000** | **104.0** | **8.30** | **6.650** | **7.46** |
| ARITH MEAN | | | | | **0.184** | **0.974** | **1.158** | **64.4** | **9.8** | **54.600** | **83.8** | **6.50** | **5.090** | **6.94** |
| GEOM MEAN | | | | | **0.161** | **0.918** | **1.098** | **62.9** | **8.8** | **53.523** | **82.2** | **6.23** | **4.883** | **6.93** |
| MINIMUM | | | | | **0.069** | **0.570** | **0.735** | **45.0** | **6.0** | **39.000** | **60.0** | **3.80** | **3.050** | **6.45** |
| STD DEV | | | | | **0.099** | **0.389** | **0.438** | **15.0** | **5.5** | **11.929** | **18.2** | **1.98** | **1.555** | **0.39** |
| NO OF SAMPLES | | | | | **5** | **5** | **5** | **5** | **5** | **5** | **5** | **5** | **5** | **5** |

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B O W / SITE **LA VASE RIVER**
SAMPLE POINT **DOWNSTREAM FROM DUPONT NORTH BAY**
STATION TYPE **RIVER**
MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **FRENCH RIVER MAIN CHANNEL**
STATION ID **03-0133-015-02**
STORET CODE: **02**
**002**
**5430**
LAT LONG: U T M: **17 0623100.0 5123750.0 4** REGION: **05** DISTANCE: **120.600**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 04 26 1120 | | | .3 | 1 | 13322 | 6 | 8.0 | 9.0 | 0.048 | 0.010 | 0.358 | 1.030 | 0.027 | 0.548 |
| 80 06 22 1320 | | | .3 | 1 | 13351 | 6 | 15.0 | 8.0 | 0.073 | 0.015 | 0.210 | 1.250 | 0.030 | 0.405 |
| 80 08 03 1245 | | | 3 | 1 | 13380 | 6 | 23.0 | 8.0 | 0.072 | 0.013 | 0.133 | 1.300 | 0.079 | 0.586 |
| 80 10 04 1600 | | | 3 | 1 | 13409 | 6 | 8.0 | | 0.040 | 0.005 | 0.044 | 0.900 | 0.080 | 0.305 |
| 80 11 29 1420 | | | 3 | 1 | 13438 | 6 | 1.0 | | 0.035 | 0.005 | 0.380 | 1.000 | 0.017 | 0.783 |
| MAXIMUM | | | | | | | **23.0** | **9.0** | **0.073** | **0.015** | **0.380** | **1.300** | **0.080** | **0.783** |
| ARITH MEAN | | | | | | | **11.0** | **8.3** | **0.054** | **0.010** | **0.225** | **1.096** | **0.047** | **0.525** |
| GEOM MEAN | | | | | | | **7.4** | **8.3** | **0.051** | **0.009** | **0.176** | **1.086** | **0.039** | **0.499** |
| MINIMUM | | | | | | | **1.0** | **8.0** | **0.035** | **0.005** | **0.044** | **0.900** | **0.017** | **0.305** |
| STD DEV | | | | | | | **8.3** | **0.6** | **0.018** | **0.005** | **0.144** | **0.171** | **0.030** | **0.183** |
| NO OF SAMPLES | | | | | | | **5** | **3** | **5** | **5** | **5** | **5** | **5** | **5** |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 04 26 1120 | | | .3 | 1 | 0.933 | 0.672 | 1.605 | 72.0 | 12.0 | 60.000 | 92.0 | 9.30 | 9.000 | 6.87 |
| 80 06 22 1320 | | | .3 | 1 | 0.645 | 1.040 | 1.685 | 64.0 | 12.0 | 52.000 | 80.0 | 15.00 | 6.700 | 6.89 |
| 80 08 03 1245 | | | .3 | 1 | 0.798 | 1.167 | 1.965 | 68.00 | 9.00 | 59.000 | 90.0 | 4.20 | 7.700 | 6.66 |
| 80 10 04 1600 | | | .3 | 1 | 0.429 | 0.856 | 1.285 | 54.0 | 7.0 | 47.000 | 73.0 | 5.30 | 5.650 | 6.44 |
| 80 11 29 1420 | | | .3 | 1 | 1.180 | 0.620 | 1.800 | 66.0 | 5.0 | 61.000 | 94.0 | 4.70 | 7.500 | 6.92 |
| MAXIMUM | | | | | 1.180 | 1.167 | 1.965 | 72.0 | 12.0 | 61.000 | 94.0 | 15.00 | 9.000 | 6.92 |
| ARITH MEAN | | | | | 0.797 | 0.871 | 1.668 | 64.8 | 9.0 | 55.800 | 85.8 | 7.70 | 7.310 | 6.76 |
| GEOM MEAN | | | | | 0.754 | 0.846 | 1.652 | 64.5 | 8.5 | 55.525 | 85.4 | 6.81 | 7.224 | 6.75 |
| MINIMUM | | | | | 0.429 | 0.620 | 1.285 | 54.0 | 5.0 | 47.000 | 73.0 | 4.20 | 5.650 | 6.44 |
| STD DEV | | | | | 0.284 | 0.234 | 0.253 | 6.7 | 3.0 | 6.058 | 9.0 | 4.55 | 1.242 | 0.20 |
| NO OF SAMPLES | | | | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

B.O.W./ SITE: **STURGEON RIVER**
SAMPLE POINT: **FIRST BRIDGE UPSTREAM FROM CRYSTAL FALLS**
STATION TYPE: **RIVER FLOW GAUGE FED 02DC003**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **FRENCH RIVER MAIN CHANNEL**

STATION ID: **03-0133-017-02**
STORET CODE: **02**
**002**
**5430**

LAT:
LONG:
U.T.M.: **17 0584400.0 5145850.0 4**
REGION: **05**
DISTANCE: **140.492**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N |
| 80 03 23 1400 | | | .3 | 1 | 13300 | 6 | 76.800 | 1.0 | | 5.0 | 0.193 | 0.001 | 0.177 | 3.050 |
| 80 04 26 0700 | | | .3 | 1 | 13314 | 6 | 277.000 | 7.0 | 12.0 | 0.4 | 0.023 | 0.001 | 0.042 | 0.290 |
| 80 05 31 1610 | | | .3 | 1 | 13331 | 6 | 88.000 | 17.0 | 9.0 | 0.8 | 0.039 | 0.003 | 0.002< | 0.550 |
| 80 06 22 0900 | | | .3 | 1 | 13343 | 6 | 63.100 | 17.0 | 8.0 | 0.8 | 0.011 | 0.001 | 0.012 | 0.350 |
| 80 07 12 1100 | | | .3 | 1 | 13360 | 6 | 32.500 | 21.0 | 8.0 | | 0.010 | 0.004 | 0.034 | 0.260 |
| 80 08 03 0840 | | | .3 | 1 | 13372 | 6 | 38.500 | 21.0 | 8.0 | 1.4 | 0.016 | 0.001 | 0.004 | 0.450 |
| 80 08 31 1100 | | | .3 | 1 | 13389 | 6 | 20.400 | 23.0 | 8.0 | 0.6 | 0.013 | 0.014 | 0.030 | 0.410 |
| 80 10 04 1200 | | | .3 | 1 | 13401 | 6 | 97.600 | 8.0 | | 1.7 | 0.035 | 0.001< | 0.018 | 0.520 |
| 80 10 30 0800 | | | .3 | 1 | 13418 | 6 | 97.300 | 5.0 | | 0.6 | 0.023 | 0.013 | 0.030 | 0.370 |
| 80 11 29 1000 | | | .3 | 1 | 13430 | 6 | 69.000 | 1.0 | | 0.6 | 0.009 | 0.001< | 0.018 | 0.27 |
| MAXIMUM | | | | | | | 277.000 | 23.0 | 12.0 | 5.0 | 0.193 | 0.014 | 0.177 | 3.050 |
| ARITH MEAN | | | | | | | 86.020 | 12.1 | 8.8 | 1.3 | 0.037 | 0.004L | 0.037L | 0.65 |
| GEOM MEAN | | | | | | | 67.542 | 7.8 | 8.7 | 1.0 | 0.022 | 0.002L | 0.019L | 0.46 |
| MINIMUM | | | | | | | 20.400 | 1.0 | 8.0 | 0.4 | 0.009 | 0.001< | 0.002< | 0.260 |
| STD DEV | | | | | | | 72.317 | 8.6 | 1.6 | 1.4 | 0.056 | 0.005L | 0.051L | 0.84 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 6 | 9 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 03 23 1400 | | | .3 | 1 | 0.017 | 0.748 | 0.942 | 2.873 | 3.815 | 105.0 | 30.0 | 75.000 | 115.0 | 12.50 |
| 80 04 26 0700 | | | .3 | 1 | 0.004 | 0.111 | 0.157 | 0.248 | 0.405 | 48.0 | 16.0 | 32.000 | 49.0 | 4.30 |
| 80 05 31 1610 | | | .3 | 1 | 0.005 | 0.010 | 0.017 | 0.548 | 0.565 | 55.0 | 13.0 | 42.000 | 65.0 | 2.70 |
| 80 06 22 0900 | | | .3 | 1 | 0.004 | 0.036 | 0.052 | 0.338 | 0.390 | 101.0 | 3.0 | 98.000 | 150.0 | 1.90 |
| 80 07 12 1100 | | | .3 | 1 | 0.002 | 0.028 | 0.064 | 0.226 | 0.290 | 49.0 | 3.0 | 46.000 | 70.0 | 1.50 |
| 80 08 03 0840 | | | .3 | 1 | 0.006 | 0.029 | 0.039 | 0.446 | 0.485 | 49.0 | 3.0 | 46.000 | 70.0 | 1.70 |
| 80 08 31 1100 | | | .3 | 1 | 0.003 | 0.032 | 0.065 | 0.380 | 0.445 | 61.0 | 4.0 | 57.000 | 87.0 | 1.20 |
| 80 10 04 1200 | | | .3 | 1 | 0.007 | 0.048 | 0.073 | 0.502 | 0.575 | 45.0 | 5.0 | 40.000 | 62.0 | 1.50 |
| 80 10 30 0800 | | | .3 | 1 | 0.001 | 0.039 | 0.070 | 0.340 | 0.410 | 40.0 | 4.0 | 36.000 | 56.0 | 1.40 |
| 80 11 29 1000 | | | .3 | 1 | 0.002 | 0.063 | 0.083 | 0.252 | 0.335 | 44 | 2 | 42 | 65 | 1.0 |
| MAXIMUM | | | | | 0.017 | 0.748 | 0.942 | 2.873 | 3.815 | 105.0 | 30.0 | 98.000 | 150.0 | 12.50 |
| ARITH MEAN | | | | | 0.005 | 0.114 | 0.156 | 0.615 | 0.771 | 59 | 8 | 51 | 78 | 2.9 |
| GEOM MEAN | | | | | 0.004 | 0.060 | 0.079 | 0.430 | 0.528 | 56 | 6 | 48 | 74 | 2.1 |
| MINIMUM | | | | | 0.001 | 0.010 | 0.017 | 0.226 | 0.290 | 40.0 | 2 | 32.000 | 49.0 | 1.0 |
| STD DEV | | | | | 0.005 | 0.224 | 0.278 | 0.801 | 1.073 | 23 | 9 | 20 | 31 | 3.4 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | CLIDUR | PH | PHNOL | ALUT | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHLORIDE UNF.REAC MG/L AS CL | PH | PHENOLS UNF-REAC UG/L PHENOL | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 03 23 1400 | | | .3 | 1 | 6.400 | | | 1.000 | 0.020 | 0.030< | 0.170 | 0.020< |
| 80 04 26 0700 | | | .3 | 1 | 0.800 | 6.86 | 1.000< | 0.570 | 0.010< | 0.030< | 0.040 | 0.020< |
| 80 05 31 1610 | | | .3 | 1 | 1.400 | 7.25 | 1.000< | 0.270 | 0.010< | 0.030< | 0.020 | 0.020< |
| 80 06 22 0900 | | | .3 | 1 | 0.750 | 7.36 | 1.000< | 0.050 | 0.010< | 0.030< | 0.010< | 0.020< |
| 80 07 12 1100 | | | .3 | 1 | 0.700 | 7.50 | | 0.140 | 0.010< | 0.030< | 0.180 | 0.020< |
| 80 08 03 0840 | | | .3 | 1 | 0.800 | 7.13 | | 0.051 | 0.009 | 0.006< | 0.009 | 0.004< |
| 80 08 31 1100 | | | .3 | 1 | 1.000 | | 1.000< | 0.082 | 0.003 | 0.003< | 0.007 | 0.002< |
| 80 10 04 1200 | | | .3 | 1 | 0.850 | 6.98 | 2.000 | 0.16 | 0.001 | 0.003< | 0.005 | 0.003 |
| 80 10 30 0800 | | | .3 | 1 | 0.800 | 7.02 | 1.000< | 0.120 | 0.009 | 0.006 | 0.050 | 0.003 |
| 80 11 29 1000 | | | .3 | 1 | 1.00 | 7.05 | | 0.083 | 0.004 | 0.003< | 0.020 | 0.005 |
| MAXIMUM | | | | | 6.400 | 7.50 | 2.000 | 1.000 | 0.020 | 0.030 | 0.180 | 0.020 |
| ARITH MEAN | | | | | 1.45 | 7.14 | 1.167L | 0.25 | 0.009L | 0.017L | 0.051L | 0.012L |
| GEOM MEAN | | | | | 1.07 | 7.14 | 1.122L | 0.15 | 0.007L | 0.011L | 0.024L | 0.008L |
| MINIMUM | | | | | 0.700 | 6.86 | 1.000< | 0.050 | 0.001< | 0.003< | 0.005< | 0.002< |
| STD DEV | | | | | 1.75 | 0.21 | 0.408L | 0.30 | 0.005L | 0.014L | 0.067L | 0.009L |
| NO OF SAMPLES | | | | | 10 | 8 | 6 | 10 | 10 | 10 | 10 | 10 |

B.O.W./SITE **CHIPPEWA CREEK**
SAMPLE POINT **AT MOUTH AMELIA PARK NORTH BAY**
STATION TYPE **RIVER FLOW GAUGE FED 02DD014**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **FRENCH RIVER MAIN CHANNEL**

STATION ID **03-0133-019-02**
STORET CODE **02**
**002**
**5430**

LAT: LONG. U T M: **17 0618350.0 5128600.0 4** REGION: **05** DISTANCE: **215.163**

| | | | TEST-NAME: | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 03 23 1600 | | 3 | 1 | 13303 | 6 | 2.500 | 1.0 | | 0.168 | 0.037 | 1.600 | 3.000 | 0.019 |
| 80 04 26 1000 | | 3 | 1 | 13319 | 6 | 2.300 | 6.0 | 11.0 | 0.110 | 0.011 | 0.780 | 1.550 | 0.025 |
| 80 05 31 1800 | | .3 | 1 | 13334 | 6 | 0.240 | 19.0 | 9.0 | 0.038 | 0.006 | 0.208 | 1.020 | 0.041 |
| 80 06 22 1200 | | .3 | 1 | 13348 | | 0.968 | 15.0 | 9.0 | 0.092 | 0.003 | 0.212 | 1.180 | 0.035 |
| 80 07 12 1300 | | 3 | 1 | 13363 | 6 | 0.139 | 18.0 | 9.0 | 0.058 | 0.015 | 0.380 | 1.380 | 0.064 |
| 80 08 03 1130 | | .3 | 1 | 13377 | 6 | 0.280 | 20.0 | 9.0 | 0.052 | 0.005 | 0.116 | 1.020 | 0.078 |
| 80 08 31 1250 | | 3 | 1 | 13392 | 6 | 0.405 | 21.0 | 8.0 | 0.042 | 0.012 | 0.030 | 0.700 | 0.205 |
| 80 10 04 1420 | | .3 | 1 | 13406 | 6 | 1.210 | 8.0 | | 0.058 | 0.008 | 0.038 | 1.100 | 0.002 |
| 80 10 30 1000 | | .3 | 1 | 13421 | 6 | 0.719 | 4.0 | | 0.090 | 0.037 | 0.410 | 1.100 | 0.340 |
| 80 11 29 1250 | | 3 | 1 | 13435 | 6 | 0.495 | 1.0 | | 0.068 | 0.018 | 0.62 | 1.53 | 0.024 |
| **MAXIMUM** | | | | | | **2.500** | **21.0** | **11.0** | **0.168** | **0.037** | **1.600** | **3.000** | **0.340** |
| **ARITH MEAN** | | | | | | **0.926** | **11.3** | **9.2** | **0.078** | **0.015** | **0.43** | **1.35** | **0.083** |
| **GEOM MEAN** | | | | | | **0.625** | **7.3** | **9.1** | **0.070** | **0.011** | **0.24** | **1.26** | **0.040** |
| **MINIMUM** | | | | | | **0.139** | **1.0** | **8.0** | **0.038** | **0.003** | **0.030** | **0.700** | **0.002** |
| **STD DEV** | | | | | | **0.847** | **8.1** | **1.0** | **0.039** | **0.012** | **0.47** | **0.63** | **0.107** |
| **NO OF SAMPLES** | | | | | | **10** | **10** | **6** | **10** | **10** | **10** | **10** | **10** |

| | | | TEST-NAME: | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 03 23 1600 | | .3 | 1 | 0.851 | 2.470 | 1.400 | 3.870 | 336.0 | 93.0 | 243.0 | 440.0 | 18.00 | 110.000 |
| 80 04 26 1000 | | .3 | 1 | 0.555 | 1.360 | 0.770 | 2.130 | 202.0 | 91.0 | 111.000 | 170.0 | 18.00 | 30.000 |
| 80 05 31 1800 | | .3 | 1 | 0.960 | 1.209 | 0.812 | 2.021 | 209.0 | 4.0 | 205.000 | 315.0 | 3.20 | 62.500 |
| 80 06 22 1200 | | 3 | 1 | 0.560 | 0.807 | 0.968 | 1.775 | 164.0 | 18.0 | 146.000 | 225.0 | 5.10 | 43.500 |
| 80 07 12 1300 | | .3 | 1 | 1.090 | 1.534 | 1.000 | 2.534 | 242.0 | 5.0 | 237.000 | 365.0 | 3.10 | 65.500 |
| 80 08 03 1130 | | .3 | 1 | 0.960 | 1.154 | 0.904 | 2.058 | 215.0 | 7.0 | 208.000 | 320.0 | 3.50 | 57.500 |
| 80 08 31 1250 | | .3 | 1 | 1.890 | 2.125 | 0.670 | 2.795 | 216.0 | 8.0 | 208.000 | 320.0 | 4.10 | 61.000 |
| 80 10 04 1420 | | .3 | 1 | 0.823 | 0.863 | 1.062 | 1.925 | 149.0 | 22.0 | 127.000 | 195.0 | 7.00 | 32.500 |
| 80 10 30 1000 | | 3 | 1 | 0.480 | 1.230 | 0.690 | 1.920 | 145.0 | 5.0 | 140.000 | 215.0 | 2.40 | 35.000 |
| 80 11 29 1250 | | .3 | 1 | 1.03 | 1.674 | 0.910 | 2.584 | 224 | 9 | 215 | 330 | 3.3 | 69 |
| **MAXIMUM** | | | | **1.890** | **2.470** | **1.400** | **3.870** | **336.0** | **93.0** | **243.0** | **440.0** | **18.00** | **110.000** |
| **ARITH MEAN** | | | | **0.92** | **1.443** | **0.919** | **2.361** | **210** | **26** | **184** | **289** | **6.7** | **56** |
| **GEOM MEAN** | | | | **0.85** | **1.362** | **0.898** | **2.299** | **204** | **13** | **177** | **277** | **5.1** | **52** |
| **MINIMUM** | | | | **0.480** | **0.807** | **0.670** | **1.775** | **145.0** | **4.0** | **111.000** | **170.0** | **2.40** | **30.000** |
| **STD DEV** | | | | **0.40** | **0.528** | **0.213** | **0.627** | **55** | **35** | **48** | **86** | **8.0** | **23** |
| **NO OF SAMPLES** | | | | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** |

| | | | TEST-NAME: | ALKT | PH | PHNOL | ASUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ALK TOTAL MG/L AS CACO3 | PH | PHENOLS UNF-REAC UG/L PHENOL | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 03 23 1600 | | .3 | 1 | | | | | 1.500 | | 0.010< | 0.030< | | 0.110 |
| 80 04 26 1000 | | 3 | 1 | 22.0 | 7.23 | 1.000< | 0.002 | 2.300 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.070 |
| 80 05 31 1800 | | .3 | 1 | 38.0 | 7.64 | 1.000< | 0.001< | 0.090 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.020 |
| 80 06 22 1200 | | 3 | 1 | | 7.12 | 1.000 | 0.001< | 0.460 | 0.030 | 0.010< | 0.030< | 0.005 < | 0.010< |
| 80 07 12 1300 | | 3 | 1 | 45.0 | 7.26 | | 0.001< | 0.610 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010 |
| 80 08 03 1130 | | 3 | 1 | 44.0 | 7.11 | | 0.001 | 0.13 | 0.03 | 0.004 | 0.005< | 0.0005< | 0.010 |
| 80 08 31 1250 | | 3 | 1 | 43.0 | 7.35 | 1.000 | 0.001< | 0.23 | 0.003 | 0.025 | 0.003< | 0.0002< | 0.022 |
| 80 10 04 1420 | | 3 | 1 | 29.0 | 6.72 | 2.000 | 0.001< | 0.70 | 0.008 | 0.009 | 0.008 | 0.0002< | 0.040 |
| 80 10 30 1000 | | 3 | 1 | 30.0 | 7.18 | 1.000 | 0.002 | 0.190 | 0.002< | 0.050 | 0.003< | 0.0002< | 0.071 |
| 80 11 29 1250 | | 3 | 1 | 27 | 7.11 | | 0.001< | 0.17 | 0.001< | 0.006 | 0.003< | 0.0003 | 0.025 |
| **MAXIMUM** | | | | **45.0** | **7.64** | **2.000** | **0.002** | **2.300** | **0.03** | **0.050** | **0.030** | **0.005** | **0.110** |
| **ARITH MEAN** | | | | **34** | **7.19** | **1.167L** | **0.001L** | **0.63** | **0.01 L** | **0.014L** | **0.017L** | **0.002 L** | **0.039L** |
| **GEOM MEAN** | | | | **33** | **7.19** | **1.122L** | **0.001L** | **0.37** | **0.00 L** | **0.011L** | **0.011L** | **0.001 L** | **0.027L** |
| **MINIMUM** | | | | **22.0** | **6.72** | **1.000<** | **0.001<** | **0.090** | **0.001<** | **0.004<** | **0.003<** | **0.0002<** | **0.010<** |
| **STD DEV** | | | | **8** | **0.24** | **0.408L** | **0.000L** | **0.72** | **0.01 L** | **0.014L** | **0.014L** | **0.002 L** | **0.034L** |
| **NO OF SAMPLES** | | | | **8** | **9** | **6** | **9** | **10** | **9** | **10** | **10** | **9** | **10** |

| | | | TEST-NAME: | NIUT | CCNAUR | P1PCBT | P3245T |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NICKEL UNF.TOT. MG/L AS NI | CYANIDE AVAIL UNF.REAC MG/L AS HCN | PCB TOTAL UG/L | 2,4,5-T UG/L |
| 80 03 23 1600 | | .3 | 1 | 0.020< | | | |
| 80 04 26 1000 | | .3 | 1 | 0.010< | | 0.020R | |
| 80 05 31 1800 | | .3 | 1 | 0.020< | 0.010< | 0.020R | |
| 80 06 22 1200 | | .3 | 1 | 0.020< | | 0.020R | |
| 80 07 12 1300 | | .3 | 1 | 0.020< | 0.010< | 0.020R | 0.050R |
| 80 08 03 1130 | | .3 | 1 | 0.005 | 0.01 < | 0.020R | |
| 80 08 31 1250 | | 3 | 1 | 0.002< | 0.01 < | 0.020R | |
| 80 10 04 1420 | | .3 | 1 | 0.010 | 0.01 < | 0.020R | |
| 80 10 30 1000 | | .3 | 1 | 0.002 | 0.010< | 0.020R | |
| 80 11 29 1250 | | .3 | 1 | 0.003< | 0.01 < | | |
| **MAXIMUM** | | | | **0.020** | **0.01** | | **0.050** |
| **ARITH MEAN** | | | | **0.011L** | **0.01 L** | | **0.0508** |
| **GEOM MEAN** | | | | **0.008L** | **0.01 L** | | |
| **MINIMUM** | | | | **0.002<** | **0.010<** | | **0.050** |
| **STD DEV** | | | | **0.008L** | **0.00 L** | | |
| **NO OF SAMPLES** | | | | **10** | **7** | | **1** |

B.O.W./ SITE: **SOUTH RIVER**
SAMPLE POINT: **AT HWY.NO.11 NORTH OF SOUTH RIVER**
STATION TYPE: **RIVER FLOW GAUGE FED 02DD009**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **FRENCH RIVER MAIN CHANNEL**

STATION ID: **03-0133-023-02**
STORET CODE: **02**
**002**
**5430**

LAT: LONG: U T M: **17 0625800.0 5078250.0 4** REGION: **05** DISTANCE: **53.208**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 03 30 1300 | | | .3 | 1 | 13306 | 6 | 4.910 | 1.0 | | 0.020 | 0.002 | 0.136 | 0.400 | 0.005 |
| 80 04 26 1220 | | | .3 | 1 | 13323 | 6 | 13.900 | 9.0 | 11.0 | 0.012 | 0.001< | 0.036 | 0.300 | 0.004 |
| 80 06 01 1000 | | | .3 | 1 | 13335 | 6 | 3.730 | 18.0 | 9.0 | 0.014 | 0.002 | 0.022 | 0.370 | 0.004 |
| 80 06 22 1410 | | | .3 | 1 | 13352 | 6 | 14.600 | 17.0 | 9.0 | 0.016 | 0.001 | 0.032 | 0.330 | 0.004 |
| 80 07 13 1330 | | | .3 | 1 | 13364 | 6 | 2.380 | 24.0 | 9.0 | 0.021 | 0.001 | 0.078 | 0.740 | 0.004 |
| 80 08 03 1340 | | | .3 | 1 | 13381 | 6 | 8.220 | 23.0 | 8.0 | 0.018 | 0.001 | 0.054 | 0.430 | 0.005 |
| 80 09 01 1000 | | | .3 | 1 | 13393 | 6 | 4.110 | 22.0 | 8.0 | 0.014 | 0.002 | 0.066 | 0.430 | 0.006 |
| 80 10 05 1230 | | | .3 | 1 | 13410 | 6 | 9.500 | 8.0 | | 0.012 | 0.001< | 0.020 | 0.440 | 0.006 |
| 80 10 30 1100 | | | .3 | 1 | 13422 | 6 | 9.800 | 4.0 | | 0.012 | 0.006 | 0.028 | 0.280 | 0.005 |
| 80 11 30 0800 | | | .3 | 1 | 13439 | 6 | 5.610 | 1.0 | | 0.300 | 0.001< | 0.030 | 0.010 | 0.002 |
| **MAXIMUM** | | | | | | | **14.600** | **24.0** | **11.0** | **0.300** | **0.006** | **0.136** | **0.740** | **0.006** |
| **ARITH MEAN** | | | | | | | **7.676** | **12.7** | **9.0** | **0.044** | **0.002L** | **0.050** | **0.373** | **0.004** |
| **GEOM MEAN** | | | | | | | **6.597** | **8.0** | **8.9** | **0.020** | **0.001L** | **0.042** | **0.275** | **0.004** |
| **MINIMUM** | | | | | | | **2.380** | **1.0** | **8.0** | **0.012** | **0.001<** | **0.020** | **0.010** | **0.002** |
| **STD DEV** | | | | | | | **4.257** | **9.1** | **1.1** | **0.090** | **0.002L** | **0.036** | **0.181** | **0.001** |
| **NO OF SAMPLES** | | | | | | | **10** | **10** | **6** | **10** | **10** | **10** | **10** | **10** |

| TEST-NAME: | | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 03 30 1300 | | | .3 | 1 | 0.335 | 0.476 | 0.264 | 0.740 | 36.0 | 2.0 | 34.000 | 53.0 | 2.40 | 2.150 |
| 80 04 26 1220 | | | .3 | 1 | 0.211 | 0.251 | 0.264 | 0.515 | 29.0 | 2.0 | 27.000 | 42.0 | 1.00 | 2.500 |
| 80 06 01 1000 | | | .3 | 1 | 0.006 | 0.032 | 0.348 | 0.380 | 32.0 | 3.0 | 29.000 | 44.0 | 1.30 | 1.200 |
| 80 06 22 1410 | | | .3 | 1 | 0.046 | 0.082 | 0.298 | 0.380 | 31.0 | 2.0 | 29.000 | 45.0 | 1.50 | 1.150 |
| 80 07 13 1330 | | | .3 | 1 | 0.046 | 0.128 | 0.662 | 0.790 | 42.0 | 3.0 | 39.000 | 60.0 | 2.00 | 1.550 |
| 80 08 03 1340 | | | .3 | 1 | 0.050 | 0.109 | 0.376 | 0.485 | 31.0 | 2.0 | 29.000 | 44.0 | 1.20 | 1.150 |
| 80 09 01 1000 | | | .3 | 1 | 0.089 | 0.161 | 0.364 | 0.525 | 31.0 | 2.0 | 29.000 | 44.0 | 1.30 | 1.600 |
| 80 10 05 1230 | | | .3 | 1 | 0.089 | 0.115 | 0.420 | 0.535 | 49.0 | 23.0 | 26.000 | 40.0 | 1.50 | 1.350 |
| 80 10 30 1100 | | | .3 | 1 | 0.100 | 0.133 | 0.252 | 0.385 | 27.0 | 2.0 | 25.000 | 39.0 | 1.30 | 1.250 |
| 80 11 30 0800 | | | .3 | 1 | 0.143 | 0.175 | 0.020 | 0.155 | 33.0 | 3.0 | 30.000 | 46.0 | 0.80 | 1.200 |
| **MAXIMUM** | | | | | **0.335** | **0.476** | **0.662** | **0.790** | **49.0** | **23.0** | **39.000** | **60.0** | **2.40** | **2.500** |
| **ARITH MEAN** | | | | | **0.111** | **0.166** | **0.327** | **0.489** | **34.1** | **4.4** | **29.700** | **45.7** | **1.43** | **1.510** |
| **GEOM MEAN** | | | | | **0.074** | **0.134** | **0.260** | **0.452** | **33.6** | **2.9** | **29.468** | **45.3** | **1.37** | **1.456** |
| **MINIMUM** | | | | | **0.006** | **0.032** | **0.020** | **0.155** | **27.0** | **2.0** | **25.000** | **39.0** | **0.80** | **1.150** |
| **STD DEV** | | | | | **0.097** | **0.123** | **0.161** | **0.184** | **6.7** | **6.6** | **4.084** | **6.3** | **0.47** | **0.465** |
| **NO OF SAMPLES** | | | | | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** |

| TEST-NAME: | | | | | PH | ALUT | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 03 30 1300 | | | .3 | 1 | | 0.020< | 0.010< | 0.030< | 0.090 | 0.020< |
| 80 04 26 1220 | | | .3 | 1 | 6.50 | 0.120 | 0.010< | 0.030< | 0.010 | 0.020< |
| 80 06 01 1000 | | | .3 | 1 | 7.29 | 0.020< | 0.010< | 0.030< | 0.010 | 0.090 |
| 80 06 22 1410 | | | .3 | 1 | 7.32 | 0.020< | 0.010< | 0.030< | 0.010< | 0.020< |
| 80 07 13 1330 | | | .3 | 1 | 7.35 | 0.030 | 0.010< | 0.030< | 0.010< | 0.020< |
| 80 08 03 1340 | | | .3 | 1 | 7.13 | 0.056 | 0.002< | 0.006< | 0.003 | 0.004< |
| 80 09 01 1000 | | | .3 | 1 | 7.09 | 0.078 | 0.002 | 0.003< | 0.009 | 0.002< |
| 80 10 05 1230 | | | .3 | 1 | 6.39 | 0.083 | 0.001< | 0.003< | 0.004 | 0.002< |
| 80 10 30 1100 | | | .3 | 1 | 6.72 | 0.090 | 0.003 | 0.007 | 0.035 | 0.002< |
| 80 11 30 0800 | | | .3 | 1 | 6.87 | 0.084 | 0.001< | 0.003< | 0.014 | 0.003 |
| **MAXIMUM** | | | | | **7.35** | **0.120** | **0.010** | **0.030** | **0.090** | **0.090** |
| **ARITH MEAN** | | | | | **6.96** | **0.060L** | **0.006L** | **0.017L** | **0.019L** | **0.018L** |
| **GEOM MEAN** | | | | | **6.95** | **0.049L** | **0.004L** | **0.011L** | **0.012L** | **0.008L** |
| **MINIMUM** | | | | | **6.39** | **0.020<** | **0.001<** | **0.003<** | **0.003<** | **0.002<** |
| **STD DEV** | | | | | **0.36** | **0.036L** | **0.004L** | **0.014L** | **0.026L** | **0.027L** |
| **NO OF SAMPLES** | | | | | **9** | **10** | **10** | **10** | **10** | **10** |

B.O.W./ SITE: **LA VASE RIVER**
SAMPLE POINT: **AT MOUTH NORTH BAY**
STATION TYPE: **RIVER FLOW GAUGE FED 02DD013**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **FRENCH RIVER MAIN CHANNEL**

STATION ID: **03-0133-024-02**
STORET CODE: **02**
**002**
**5430**

LAT: LONG: U T M: **17 0621650.0 5122100.0 4** REGION: **05** DISTANCE: **0.322**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 03 23 1700 | | | .3 | 1 | 13305 | 6 | 3.830 | 1.0 | | 0.055 | 0.007 | 0.385 | 1.000 | 0.017 |
| 80 04 26 1050 | | | .3 | 1 | 13321 | 6 | 2.240 | 8.0 | 9.0 | 0.050 | 0.009 | 0.366 | 1.080 | 0.025 |
| 80 06 22 1300 | | | .3 | 1 | 13350 | 6 | 2.480 | 15.0 | 8.0 | 0.068 | 0.014 | 0.208 | 1.170 | 0.031 |
| 80 08 03 1230 | | | .3 | 1 | 13379 | 6 | 0.444 | 23.0 | 8.0 | 0.070 | 0.013 | 0.142 | 1.220 | 0.080 |
| 80 10 04 1530 | | | .3 | 1 | 13408 | 6 | 4.120 | 8.0 | | 0.040 | 0.005 | 0.062 | 0.980 | 0.082 |
| 80 11 29 1400 | | | .3 | 1 | 13437 | 6 | 0.888 | 1.0 | | 1.000 | 0.005 | 0.370 | 0.075 | 0.013 |
| **MAXIMUM** | | | | | | | **4.120** | **23.0** | **9.0** | **1.000** | **0.014** | **0.385** | **1.220** | **0.082** |
| **ARITH MEAN** | | | | | | | **2.334** | **9.3** | **8.3** | **0.214** | **0.009** | **0.256** | **0.921** | **0.041** |
| **GEOM MEAN** | | | | | | | **1.805** | **5.3** | **8.3** | **0.090** | **0.008** | **0.214** | **0.696** | **0.032** |
| **MINIMUM** | | | | | | | **0.444** | **1.0** | **8.0** | **0.040** | **0.005** | **0.062** | **0.075** | **0.013** |
| **STD DEV** | | | | | | | **1.491** | **8.5** | **0.6** | **0.386** | **0.004** | **0.138** | **0.425** | **0.031** |
| **NO OF SAMPLES** | | | | | | | **6** | **6** | **3** | **6** | **6** | **6** | **6** | **6** |

(CONTD)

B.O.W./SITE: **LA VASE RIVER**
SAMPLE POINT: **AT MOUTH NORTH BAY**
STATION TYPE: **RIVER FLOW GAUGE FED 02DD013**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **FRENCH RIVER MAIN CHANNEL**

STATION ID: **03-0133-024-02**
STORET CODE: **02**
**002**
**5430**

LAT:
LONG:
U T M: **17 0621650.0 5122100.0 4**
REGION: **05**
DISTANCE: **0.322**

| TEST-NAME: | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 03 23 1700 | | .3 | 1 | 0.758 | 1.160 | 0.615 | 1.775 | 69.0 | 16.0 | 53.000 | 81.0 | 10.00 | 10.500 |
| 80 04 26 1050 | | .3 | 1 | 0.545 | 0.936 | 0.714 | 1.650 | 71.0 | 12.0 | 59.000 | 90.0 | 9.40 | 8.950 |
| 80 06 22 1300 | | .3 | 1 | 0.399 | 0.638 | 0.962 | 1.600 | 65.0 | 13.0 | 52.000 | 80.0 | 14.00 | 6.650 |
| 80 08 03 1230 | | .3 | 1 | 0.595 | 0.817 | 1.078 | 1.895 | 64.0 | 9.0 | 55.000 | 85.0 | 4.10 | 7.750 |
| 80 10 04 1530 | | .3 | 1 | 0.293 | 0.437 | 0.918 | 1.355 | 56.0 | 8.0 | 48.000 | 74.0 | 5.50 | 5.700 |
| 80 11 29 1400 | | .3 | 1 | 0.782 | 1.165 | 0.295 | 0.870 | 67.0 | 6.0 | 61.000 | 94.0 | 4.50 | 7.500 |
| MAXIMUM | | | | 0.782 | 1.165 | 1.078 | 1.895 | 71.0 | 16.0 | 61.000 | 94.0 | 14.00 | 10.500 |
| ARITH MEAN | | | | 0.562 | 0.859 | 0.764 | 1.524 | 65.3 | 10.7 | 54.667 | 84.0 | 7.92 | 7.842 |
| GEOM MEAN | | | | 0.531 | 0.813 | 0.708 | 1.479 | 65.1 | 10.1 | 54.493 | 83.7 | 7.16 | 7.692 |
| MINIMUM | | | | 0.293 | 0.437 | 0.295 | 0.870 | 56.0 | 6.0 | 48.000 | 74.0 | 4.10 | 5.700 |
| STD DEV | | | | 0.193 | 0.289 | 0.286 | 0.368 | 5.2 | 3.7 | 4.761 | 7.2 | 3.89 | 1.699 |
| NO OF SAMPLES | | | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

| TEST-NAME: | | | | PH | ALUT | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PH | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 03 23 1700 | | .3 | 1 | | 0.740 | 0.010< | 0.030< | 0.050 | 0.020< |
| 80 04 26 1050 | | .3 | 1 | 6.85 | 1.100 | 0.010< | 0.030< | 0.010 | 0.020< |
| 80 06 22 1300 | | .3 | 1 | 6.84 | 1.200 | 0.010< | 0.030< | 0.010< | 0.030 |
| 80 08 03 1230 | | .3 | 1 | 6.51 | 0.270 | 0.002< | 0.006< | 0.005 | 0.004< |
| 80 10 04 1530 | | .3 | 1 | 6.40 | 0.59 | 0.002 | 0.003< | 0.011 | 0.004 |
| 80 11 29 1400 | | .3 | 1 | 6.89 | 0.48 | 0.017 | 0.003< | 0.014 | 0.010 |
| MAXIMUM | | | | 6.89 | 1.200 | 0.017 | 0.030 | 0.050 | 0.030 |
| ARITH MEAN | | | | 6.70 | 0.73 | 0.008L | 0.017L | 0.017L | 0.016L |
| GEOM MEAN | | | | 6.69 | 0.64 | 0.008L | 0.011L | 0.013L | 0.011L |
| MINIMUM | | | | 6.40 | 0.270 | 0.002< | 0.003< | 0.005< | 0.004< |
| STD DEV | | | | 0.23 | 0.36 | 0.008L | 0.014L | 0.017L | 0.010L |
| NO OF SAMPLES | | | | 5 | 6 | 6 | 6 | 6 | 6 |

B.O.W./SITE: **STURGEON RIVER**
SAMPLE POINT: **DOWNSTREAM FROM HIGHWAY NO 17**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **FRENCH RIVER MAIN CHANNEL**

STATION ID: **03-0133-028-02**
STORET CODE: **02**
**002**
**5430**

LAT:
LONG:
U T M: **17 0582000.0 5135000.0 4**
REGION: **05**
DISTANCE: **123.755**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 03 23 1500 | | .3 | 1 | 13302 | 6 | 1.0 | | 4.0 | 0.120 | 0.003 | 0.253 | 1.450 | 0.011 |
| 80 04 26 0800 | | .3 | 1 | 13316 | 6 | 7.0 | 12.0 | 0.8 | 0.032 | 0.001< | 0.006 | 0.310 | 0.004 |
| 80 05 31 1700 | | .3 | 1 | 13333 | 6 | 17.0 | 10.0 | 1.4 | 0.014 | 0.002 | 0.002 | 0.360 | 0.003 |
| 80 06 04 1320 | | .3 | 1 | 11760 | | 17.0 | 12.2 | 1.4 | 0.017 | 0.002 | 0.002< | 0.280 | 0.002 |
| 80 06 22 1000 | | .3 | 1 | 13345 | 6 | 17.0 | 9.0 | 1.8 | 0.018 | 0.001 | 0.004 | 0.360 | 0.003 |
| 80 06 23 1135 | | .3 | 1 | 11749 | | 16.6 | 9.0 | 1.6 | 0.013 | 0.001< | 0.010 | 0.300 | 0.005 |
| 80 07 08 1142 | | .3 | 1 | 11750 | | 20.5 | 9.0 | 3.2 | 0.096 | 0.038 | 0.002 | 0.340 | 0.003 |
| 80 07 12 1200 | | .3 | 1 | 13362 | 6 | 21.0 | 8.0 | | 0.102 | 0.042 | 0.008 | 0.450 | 0.002 |
| 80 07 23 1147 | | .3 | 1 | 11751 | | 22.5 | 7.2 | 4.0 | 0.020 | 0.002 | 0.002< | 0.450 | 0.003 |
| 80 08 03 0940 | | .3 | 1 | 13374 | 6 | 21.0 | 8.0 | 4.4 | 0.028 | 0.001< | 0.002 | 0.500 | 0.006 |
| 80 08 05 1225 | | .3 | 1 | 11752 | | 22.8 | 8.0 | 2.8 | 0.020 | 0.001 | 0.006 | 0.380 | 0.003 |
| 80 08 21 1146 | | .3 | 1 | 11753 | | 20.0 | 8.6 | 1.6 | 0.014 | 0.001< | 0.002< | 0.250 | 0.001 |
| 80 08 31 1200 | | .3 | 1 | 13391 | 6 | 23.0 | 8.0 | 4.6 | 0.072 | 0.015 | 0.074 | 0.600 | 0.007 |
| 80 09 25 1055 | | .3 | 1 | 11754 | | 12.5 | 10.9 | 3.6 | 0.022 | 0.001< | 0.012 | 0.500 | 0.003 |
| 80 10 04 1300 | | .3 | 1 | 13403 | 6 | 8.0 | | 0.8 | 0.016 | 0.001< | 0.018 | 0.390 | 0.007 |
| 80 10 30 0900 | | .3 | 1 | 13420 | 6 | 5.0 | | 3.6 | 0.091 | 0.060 | 0.006 | 0.370 | 0.001 |
| 80 11 29 1100 | | .3 | 1 | 13432 | 6 9 | 1.0 | | 2.4 | 0.010 | 0.001< | 0.012 | 0.15 | 0.002 |
| MAXIMUM | | | | | | 23.0 | 12.2 | 4.6 | 0.120 | 0.060 | 0.253 | 1.450 | 0.011 |
| ARITH MEAN | | | | | | 14.9 | 9.2 | 2.6 | 0.041 | 0.010L | 0.025L | 0.43 | 0.004 |
| GEOM MEAN | | | | | | 11.1 | 9.1 | 2.3 | 0.029 | 0.003L | 0.007L | 0.38 | 0.003 |
| MINIMUM | | | | | | 1.0 | 7.2 | 0.8 | 0.010 | 0.001< | 0.002< | 0.15 | 0.001 |
| STD DEV | | | | | | 7.6 | 1.6 | 1.3 | 0.038 | 0.018L | 0.061L | 0.28 | 0.003 |
| NO OF SAMPLES | | | | | | 17 | 13 | 16 | 17 | 17 | 17 | 17 | 17 |

| TEST-NAME: | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 03 23 1500 | | .3 | 1 | 0.604 | 0.868 | 1.197 | 2.065 | 100.0 | 47.0 | 53.000 | 82.0 | 19.00 | 6.750 |
| 80 04 26 0800 | | .3 | 1 | 0.111 | 0.121 | 0.304 | 0.425 | 63.0 | 30.0 | 33.000 | 50.0 | 4.30 | 0.800 |
| 80 05 31 1700 | | .3 | 1 | 0.002 | 0.007 | 0.358 | 0.365 | 46.0 | 4.0 | 42.000 | 65.0 | 2.70 | 0.900 |
| 80 06 04 1320 | | .3 | 1 | 0.228 | 0.232 | 0.278 | 0.510 | 49.00 | 7.00 | 42.000 | 65.0 | 2.80 | 0.600 |
| 80 06 22 1000 | | .3 | 1 | 0.002 | 0.009 | 0.356 | 0.365 | 50.0 | 5.0 | 45.000 | 70.0 | 2.70 | 0.950 |
| 80 06 23 1135 | | .3 | 1 | 0.005 | 0.020 | 0.290 | 0.310 | 49.00 | 3.00 | 46.000 | 70.0 | 2.70 | 0.700 |
| 80 07 08 1142 | | .3 | 1 | 0.007 | 0.012 | 0.338 | 0.350 | 52.00 | 6.00 | 46.000 | 70.0 | 3.40 | 1.400 |
| 80 07 12 1200 | | .3 | 1 | 0.003 | 0.013 | 0.442 | 0.455 | 62.0 | 7.0 | 55.000 | 85.0 | 3.40 | 1.000 |
| 80 07 23 1147 | | .3 | 1 | 0.007 | 0.012 | 0.448 | 0.460 | 64.00 | 5.00 | 59.000 | 90.0 | 3.70 | 0.950 |
| 80 08 03 0940 | | .3 | 1 | 0.004 | 0.012 | 0.498 | 0.510 | 58.0 | 6.0 | 52.000 | 80.0 | 3.80 | 1.000 |
| 80 08 05 1225 | | .3 | 1 | 0.002 | 0.011 | 0.374 | 0.385 | 57.00 | 5.00 | 52.000 | 80.0 | 3.00 | 0.700 |

(CONTD)

| TEST-NAME: | | | NNO3FR | NNTIFR | NNKUR | [illegible] | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 08 21 1146 | .3 | 1 | 0.005< | 0.008 | 0.248 | 0.256 | 49.00 | 3.00 | 46.000 | 70.0 | 3.00 | 0.750 |
| 80 08 31 1200 | .3 | 1 | 0.003 | 0.084 | 0.526 | 0.610 | 79.0 | 13.0 | 66.000 | 101.0 | 4.50 | 1.050 |
| 80 09 25 1055 | .3 | 1 | 0.007 | 0.022 | 0.488 | 0.510 | 47.00 | 5.00 | 42.000 | 64.0 | 2.50 | 1.050 |
| 80 10 04 1300 | .3 | 1 | 0.048 | 0.073 | 0.372 | 0.445 | 55.0 | 12.0 | 43.000 | 66.0 | 2.80 | 0.850 |
| 80 10 30 0900 | .3 | 1 | 0.009 | 0.016 | 0.364 | 0.380 | 43.0 | 4.0 | 39.000 | 60.0 | 2.00 | 0.900 |
| 80 11 29 1100 | .3 | 1 | 0.008 | 0.022 | 0.138 | 0.160 | 50 | 3 | 47 | 72 | 2.0 | 1.00 |
| MAXIMUM | | | 0.604 | 0.868 | 1.197 | 2.086 | 100.0 | 47.0 | 86.000 | 101.0 | 19.00 | 6.780 |
| ARITH MEAN | | | 0.082L | 0.081 | 0.413 | 0.504 | 57 | 9 | 47 | 72 | 4.0 | 1.26 |
| GEOM MEAN | | | 0.010L | 0.027 | 0.374 | 0.429 | 56 | 6 | 46 | 72 | 3.3 | 1.00 |
| MINIMUM | | | 0.002< | 0.007 | 0.138 | 0.160 | 43.0 | 3.00 | 33.000 | 60.0 | 2.00 | 0.600 |
| STD DEV | | | 0.161L | 0.209 | 0.226 | 0.416 | 14 | 11 | 7 | 12 | 3.9 | 1.42 |
| NO OF SAMPLES | | | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |

| TEST-NAME: | | | | SSO4UR | ALKT | PH | FWPH | PHNOL | CAUR | MGUR | KKUR | NAUR | COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O |
| 80 04 26 0800 | | .3 | 1 | | | 6.87 | | 3.000 | | | | | |
| 80 05 31 1700 | | .3 | 1 | | | 7.35 | | 11.000 | | | | | |
| 80 06 04 1320 | | .3 | 1 | 13.500 | 16.0 | 6.76 | | | 7.000 | 1.600 | 0.55 | 2.200 | 28 |
| 80 06 22 1000 | | .3 | 1 | | | 7.09 | | 7.000 | | | | | |
| 80 06 23 1135 | | .3 | 1 | 13.500 | 19.0 | 6.24 | 9.5 | | 6.800 | 1.550 | 0.45 | 2.600 | 40 |
| 80 07 08 1142 | | .3 | 1 | 13.000 | 18.0 | 7.13 | 12.0 | 13.000 | 6.600 | 1.850 | 0.60 | 3.200 | 22 |
| 80 07 12 1200 | | .3 | 1 | | | 6.92 | | | | | | | |
| 80 07 23 1147 | | .3 | 1 | 14.000 | 27.0 | 7.11 | | 37.000 | 9.000 | 2.400 | 0.65 | 4.200 | 38 |
| 80 08 03 0940 | | .3 | 1 | | | 6.83 | | | | | | | |
| 80 08 05 1225 | | .3 | 1 | 13.500 | 22.0 | 6.75 | 13.2 | 19.000 | 9.000 | 1.550 | 0.55 | 3.600 | 30 |
| 80 08 21 1146 | | .3 | 1 | 13.000 | 21.0 | 7.33 | 7.0 | | 8.200 | 2.150 | 0.60 | 1.400 | 26 |
| 80 08 31 1200 | | .3 | 1 | | | 6.75 | | 32.000 | | | | | |
| 80 09 25 1055 | | .3 | 1 | 12.500 | 22.0 | 6.88 | | | 5.600 | 1.750 | 0.60 | 2.700 | 38 |
| 80 10 04 1300 | | .3 | 1 | | | 7.14 | | 11.000 | | | | | |
| 80 10 30 0900 | | .3 | 1 | | | 6.69 | | 8.000 | | | | | |
| 80 11 29 1100 | | .3 | 1 | | | 6.71 | | | | | | | |
| MAXIMUM | | | | 14.000 | 27.0 | 7.35 | 13.2 | 37.000 | 9.000 | 2.400 | 0.65 | 4.200 | 40 |
| ARITH MEAN | | | | 13.286 | 20.7 | 6.91 | 10.4 | 15.667 | 7.457 | 1.836 | 0.57 | 2.843 | 32 |
| GEOM MEAN | | | | 13.278 | 20.5 | 6.90 | 10.1 | 12.190 | 7.359 | 1.812 | 0.57 | 2.700 | 31 |
| MINIMUM | | | | 12.500 | 16.0 | 6.24 | 7.0 | 3.000 | 5.600 | 1.550 | 0.45 | 1.400 | 22 |
| STD DEV | | | | 0.488 | 3.5 | 0.28 | 2.8 | 11.608 | 1.300 | 0.328 | 0.06 | 0.924 | 7 |
| NO OF SAMPLES | | | | 7 | 7 | 16 | 4 | 9 | 7 | 7 | 7 | 7 | 7 |

| TEST-NAME: | | | | CCUT | ALUT | CUUT | PBUT | ZNUT | MNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | CARBON UNF-TOT. MG/L AS C | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI |
| 80 03 23 1500 | | .3 | 1 | | 0.200 | 0.010< | 0.030< | 0.030 | | 0.020< |
| 80 04 26 0800 | | .3 | 1 | | 0.770 | 0.010< | 0.030< | 0.040 | | 0.020< |
| 80 05 31 1700 | | .3 | 1 | | 0.040 | 0.010< | 0.030< | 0.150 | | 0.020< |
| 80 06 04 1320 | | .3 | 1 | | | | | | 0.057 | |
| 80 06 22 1000 | | .3 | 1 | | 0.110 | 0.010< | 0.030< | 0.130 | | 0.020< |
| 80 06 23 1135 | | .3 | 1 | | | | | | 0.050 | |
| 80 07 08 1142 | | .3 | 1 | | | | | | 0.056 | |
| 80 07 12 1200 | | .3 | 1 | | 0.060 | 0.010< | 0.030< | 0.010< | | 0.020< |
| 80 07 23 1147 | | .3 | 1 | 15.5 | | | | | 0.050 | |
| 80 08 03 0940 | | .3 | 1 | | 0.062 | 0.005 | 0.006< | 0.11 | | 0.004< |
| 80 08 05 1225 | | .3 | 1 | | | | | | 0.050 | |
| 80 08 21 1146 | | .3 | 1 | | | | | | 0.032 | |
| 80 08 31 1200 | | .3 | 1 | | 0.088 | 0.019 | 0.003< | 0.13 | | 0.003 |
| 80 09 25 1055 | | .3 | 1 | | | | | | 0.052 | |
| 80 10 04 1300 | | .3 | 1 | | 0.17 | 0.070 | 0.003< | 0.092 | | 0.002 |
| 80 10 30 0900 | | .3 | 1 | | 0.120 | 0.021 | 0.003< | 0.058 | | 0.004 |
| 80 11 29 1100 | | .3 | 1 | | 0.080 | 0.002 | 0.003< | 0.065 | | 0.005 |
| MAXIMUM | | | | 15.5 | 0.770 | 0.070 | 0.030 | 0.150 | 0.057 | 0.020 |
| ARITH MEAN | | | | 15.5 | 0.17 | 0.017L | 0.017L | 0.08 L | 0.050 | 0.012L |
| GEOM MEAN | | | | | 0.11 | 0.011L | 0.010L | 0.06 L | 0.049 | 0.008L |
| MINIMUM | | | | 15.5 | 0.040 | 0.002< | 0.003< | 0.010< | 0.032 | 0.002< |
| STD DEV | | | | | 0.21 | 0.020L | 0.014L | 0.04 L | 0.008 | 0.009L |
| NO OF SAMPLES | | | | 1 | 10 | 10 | 10 | 10 | 7 | 10 |

B.O.W./ SITE: **WANAPITEI RIVER**
SAMPLE POINT: **AT BRIDGE IN ST. CLOUD**
STATION TYPE: **RIVER FLOW GAUGE FED 02DB005**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **FRENCH RIVER WEST CHANNEL**

STATION ID: **03-0134-001-02**
STORET CODE: **02**
**002**
**5500**

LAT: LONG: U T M: **17 0515315.0 5137800.0 4** REGION: **05** DISTANCE: **72.740**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 02 08 1800 | | .3 | 1 | 14500 | 6 8 | 50.600 | 0.0 | 13.0 | 0.008 | 0.001 | 0.042 | 0.300 | 0.002 |
| 80 03 07 0800 | | .3 | 1 | 14540 | 6 8 | 50.000 | 0.0 | 13.0 | 0.008 | 0.002 | 0.038 | 0.240 | 0.002 |
| 80 04 25 1730 | | .3 | 1 | 14578 | 3 6 8 | 14.600 | 12.0 | 12.0 | 0.024 | 0.002 | 0.114 | 0.520 | 0.005 |
| 80 05 30 1820 | | .3 | 1 | 14611 | 6 8 | 29.400 | 17.0 | 12.0 | 0.026 | 0.011 | 0.020 | 0.270 | 0.002 |
| 80 06 28 1445 | | .3 | 1 | 14671 | 6 8 | 28.400 | 20.0 | 12.0 | 0.011 | 0.004 | 0.032 | 0.220 | 0.003 |
| 80 07 26 1600 | | .3 | 1 | 14692 | 6 8 | 21.300 | 21.0 | 11.0 | 0.012 | 0.001< | 0.114 | 0.570 | 0.008 |
| 80 09 01 1615 | | .3 | 1 | 14721 | 6 8 | 14.300 | 20.0 | 12.0 | 0.013 | 0.003 | 0.040 | 0.380 | 0.007 |
| 80 09 28 1600 | | .3 | 1 | 14757 | 6 8 | 21.500 | 12.0 | 12.0 | 0.006 | 0.003 | 0.054 | 0.260 | 0.008 |
| 80 11 09 0900 | | .3 | 1 | 14774 | 6 8 | 38.900 | 1.0 | 12.0 | 0.010 | 0.001 | 0.032 | 0.370 | 0.004 |
| 80 12 06 1630 | | .3 | 1 | 14805 | 4 6 8 | 39.200 | 0.0 | 13.0 | 0.005 | 0.002 | 0.030 | 0.240 | 0.001 |
| MAXIMUM | | | | | | 50.600 | 21.0 | 13.0 | 0.026 | 0.011 | 0.114 | 0.570 | 0.008 |
| ARITH MEAN | | | | | | 30.820 | 10.3 | 12.2 | 0.012 | 0.003L | 0.052 | 0.337 | 0.004 |
| GEOM MEAN | | | | | | 28.100 | 5.4 | 12.2 | 0.011 | 0.002L | 0.044 | 0.320 | 0.003 |
| MINIMUM | | | | | | 14.300 | 0.0 | 11.0 | 0.005 | 0.001< | 0.020 | 0.220 | 0.001 |
| STD DEV | | | | | | 13.400 | 9.2 | 0.6 | 0.007 | 0.003L | 0.034 | 0.122 | 0.003 |
| NO OF SAMPLES | | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

(CONTD)

B.O.W./ SITE: **WANAPITEI RIVER**
SAMPLE POINT: **AT BRIDGE IN ST. CLOUD**
STATION TYPE: **RIVER FLOW GAUGE FED [illegible]**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **FRENCH RIVER WEST CHANNEL**

STATION ID: **03-0134-001-02**
STORET CODE: **02**
**002**
**5500**

LAT: LONG: U T M: **17 0515315.0 5137800.0 4** REGION: **05** DISTANCE: **72.740**

| TEST-NAME: | | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 02 08 1800 | | | .3 | 1 | 0.250 | 0.294 | 0.258 | 0.552 | | | | 126.0 | 0.60 | 0.950 |
| 80 03 07 0800 | | | .3 | 1 | 0.253 | 0.293 | 0.202 | 0.495 | 62.0 | 3.0 | | 91.0 | 1.10 | 1.050 |
| 80 04 25 1730 | | | .3 | 1 | 0.140 | 0.259 | 0.406 | 0.665 | 87.0 | 9.0 | 78.000 | 120.0 | 4.90 | 3.950 |
| 80 05 30 1820 | | | .3 | 1 | 0.203 | 0.225 | 0.250 | 0.475 | 53.0 | 1.0 | 52.000 | 80.0 | 1.10 | 1.000 |
| 80 06 28 1445 | | | .3 | 1 | 0.147 | 0.182 | 0.188 | 0.370 | 64.0 | 5.0 | 59.000 | 90.0 | 1.80 | 1.350 |
| 80 07 26 1600 | | | 3 | 1 | 0.162 | 0.284 | 0.456 | 0.740 | 66.0 | 4.0 | 62.000 | 95.0 | 1.50 | 1.100 |
| 80 09 01 1615 | | | .3 | 1 | 0.153 | 0.200 | 0.340 | 0.540 | 90.0 | 12.0 | 78.000 | 120.0 | 2.10 | 1.750 |
| 80 09 28 1600 | | | .3 | 1 | 0.157 | 0.219 | 0.206 | 0.425 | 85.0 | 4.0 | 81.000 | 124.0 | 1.90 | 2.650 |
| 80 11 09 0900 | | | 3 | 1 | 0.501 | 0.537 | 0.338 | 0.875 | 223.0 | 5.0 | 218.000 | 335.0 | 3.10 | 27.000 |
| 80 12 06 1630 | | | 3 | 1 | 0.244 | 0.275 | 0.210 | 0.485 | 63.0 | 3.0 | 60.000 | 92.0 | 1.70 | 1.400 |
| MAXIMUM | | | | | 0.501 | 0.537 | 0.456 | 0.875 | 223.0 | 12.0 | 218.000 | 335.0 | 4.90 | 27.000 |
| ARITH MEAN | | | | | 0.221 | 0.277 | 0.285 | 0.562 | 88.1 | 5.1 | 88.000 | 127.3 | 1.98 | 4.220 |
| GEOM MEAN | | | | | 0.204 | 0.265 | 0.272 | 0.545 | 79.7 | 4.2 | 76.925 | 115.7 | 1.70 | 2.000 |
| MINIMUM | | | | | 0.140 | 0.182 | 0.188 | 0.370 | 53.0 | 1.0 | 52.000 | 80.0 | 0.60 | 0.950 |
| STD DEV | | | | | 0.108 | 0.100 | 0.094 | 0.154 | 52.2 | 3.4 | 54.396 | 74.9 | 1.23 | 8.080 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 9 | 9 | 8 | 10 | 10 | 10 |

| TEST-NAME: | | | | | PH | ASUT | ALUT | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 02 08 1800 | | | .3 | 1 | | 0.001 | | 0.010< | 0.030< | 0.010< | 0.030 |
| 80 03 07 0800 | | | .3 | 1 | | 0.001 | | 0.010< | 0.030< | 0.010< | 0.040 |
| 80 04 25 1730 | | | .3 | 1 | 6.75 | 0.002 | | 0.030 | 0.030< | 0.020 | 0.220 |
| 80 05 30 1820 | | | .3 | 1 | 7.31 | 0.001< | | 0.010< | 0.030< | 0.010< | 0.040 |
| 80 06 28 1445 | | | .3 | 1 | 7.55 | | 0.130 | 0.010< | 0.030< | 0.010< | 0.050 |
| 80 07 26 1600 | | | .3 | 1 | 7.28 | | 0.020< | 0.010< | 0.030< | 0.010< | 0.020< |
| 80 09 01 1615 | | | 3 | 1 | 7.35 | | 0.120 | 0.004 | 0.003< | 0.001 | 0.037 |
| 80 09 28 1600 | | | .3 | 1 | 7.29 | | 0.14 | 0.023 | 0.003< | 0.005 | 0.12 |
| 80 11 09 0900 | | | .3 | 1 | 7.27 | | 0.160 | 0.007 | 0.003< | 0.013 | 0.066 |
| 80 12 06 1630 | | | 3 | 1 | 7.36 | | 0.140 | 0.008 | 0.005 | 0.009 | 0.052 |
| MAXIMUM | | | | | 7.55 | 0.002 | 0.160 | 0.030 | 0.030 | 0.020 | 0.220 |
| ARITH MEAN | | | | | 7.27 | 0.001L | 0.11 L | 0.012L | 0.019L | 0.010L | 0.08 L |
| GEOM MEAN | | | | | 7.27 | 0.001L | 0.10 L | 0.010L | 0.013L | 0.008L | 0.06 L |
| MINIMUM | | | | | 6.75 | 0.001< | 0.020< | 0.004< | 0.003< | 0.001< | 0.020< |
| STD DEV | | | | | 0.23 | 0.000L | 0.05 L | 0.008L | 0.014L | 0.005L | 0.06 L |
| NO OF SAMPLES | | | | | 8 | 4 | 6 | 10 | 10 | 10 | 10 |

B.O.W./ SITE: **WANAPITEI RIVER**
SAMPLE POINT: **HIGHWAY 17 IN WAHNAPITAE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **FRENCH RIVER WEST CHANNEL**

STATION ID: **03-0134-002-02**
STORET CODE: **02**
**002**
**5500**

LAT: LONG: U T M: **17 0516700.0 5147999.0 4** REGION: **05** DISTANCE: **88.833**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 16 1500 | | | .3 | 1 | 14537 | 6 8 | 0.0 | 13.0 | 0.004 | 0.001< | 0.012 | 0.180 | 0.001 | 0.249 |
| 80 03 15 1630 | | | .3 | 1 | 14575 | 4 6 8 | 0.0 | 12.0 | 0.003 | 0.001< | 0.006 | 0.170 | 0.001 | 0.254 |
| MAXIMUM | | | | | | | 0 | 13.0 | 0.004 | 0.001 | 0.012 | 0.180 | 0.001 | 0.254 |
| ARITH MEAN | | | | | | | 0.0 | 12.5 | 0.003 | 0.001L | 0.009 | 0.175 | 0.001 | 0.251 |
| GEOM MEAN | | | | | | | | 12.5 | 0.003 | 0.001L | 0.008 | 0.175 | 0.001 | 0.251 |
| MINIMUM | | | | | | | 0.0 | 12.0 | 0.003 | 0.001< | 0.006 | 0.170 | 0.001 | 0.249 |
| STD DEV | | | | | | | | 0.7 | 0.001 | 0.000L | 0.004 | 0.007 | 0.000 | 0.004 |
| NO OF SAMPLES | | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | COND25 | TURB | CLIDUR | ALUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU |
| 80 02 16 1500 | | | .3 | 1 | 0.262 | 0.168 | 0.430 | 82.0 | 5.0 | 118.0 | 1.80 | 12.500 | 0.060 | 0.030 |
| 80 03 15 1630 | | | .3 | 1 | 0.261 | 0.164 | 0.425 | 54.0 | 0.5 | 81.0 | 0.40 | 0.450 | 0.020< | 0.010< |
| MAXIMUM | | | | | 0.262 | 0.168 | 0.430 | 82.0 | 5.0 | 118.0 | 1.80 | 12.500 | 0.060 | 0.030 |
| ARITH MEAN | | | | | 0.261 | 0.166 | 0.427 | 68.0 | 2.7 | 99.5 | 1.10 | 6.475 | 0.040L | 0.020L |
| GEOM MEAN | | | | | 0.261 | 0.166 | 0.427 | 66.5 | 1.6 | 97.8 | 0.85 | 2.372 | 0.035L | 0.017L |
| MINIMUM | | | | | 0.261 | 0.164 | 0.425 | 54.0 | 0.5 | 81.0 | 0.40 | 0.450 | 0.020< | 0.010< |
| STD DEV | | | | | 0.001 | 0.003 | 0.004 | 19.8 | 3.2 | 26.2 | 0.99 | 8.521 | 0.028L | 0.014L |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | PBUT | ZNUT | NIUT | RA226F | GACF | GACP | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 02 16 1500 | | | .3 | 1 | 0.060< | 0.020< | 0.040< | | | | | | |
| 80 03 15 1630 | | | .3 | 1 | 0.030< | 0.010< | 0.020< | 1< | 1< | 1< | 2 | 1< | 10< |
| MAXIMUM | | | | | 0.060 | 0.020 | 0.040 | 1 | 1 | 1 | 2 | 1 | 10 |
| ARITH MEAN | | | | | 0.045L | 0.015L | 0.030L | 1L | 1L | 1L | 2 | 1L | 10L |
| GEOM MEAN | | | | | 0.042L | 0.014L | 0.028L | | | | | | |
| MINIMUM | | | | | 0.030< | 0.010< | 0.020< | 1< | 1< | 1< | 2 | 1< | 10< |
| STD DEV | | | | | 0.021L | 0.007L | 0.014L | | | | | | |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |

B.O.W./ SITE: **EMERY CREEK**
SAMPLE POINT: **UPSTREAM FROM WANAPITEI RIVER WANNAPITAE**
STATION TYPE: **RIVER FLOW GAUGE MOE 02DB101**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **FRENCH RIVER WEST CHANNEL**

STATION ID: **03-0134-003-02**
STORET CODE: **02**
**002**
**5500**

LAT: LONG: U T M: **17 0519400.0 5152750.0 4** REGION: **05** DISTANCE: **95.753**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 16 1110 | | | .3 | 1 | 14530 | 2 | | | | | | | | |
| 80 03 15 1325 | | | .3 | 1 | 14568 | 4 6 8 | 0.0 | 9.0 | 0.040 | 0.003 | 0.288 | 0.980 | 0.005 | 0.260 |
| 80 05 04 1100 | | | .3 | 1 | 14603 | 6 8 | 14.0 | 8.0 | 0.022 | 0.002 | 0.026 | 0.400 | 0.003 | 0.022 |
| 80 05 31 1200 | | | .3 | 1 | 14627 | 6 8 | 18.0 | 8.0 | 0.027 | 0.002 | 0.140 | 0.570 | 0.006 | 0.014 |
| 80 06 28 1200 | | | .3 | 1 | 14666 | 6 8 | 21.0 | 9.0 | 0.030 | 0.002 | 0.056 | 0.520 | 0.005 | 0.015 |
| 80 07 26 1310 | | | .3 | 1 | 14686 | 6 8 | 22.0 | 9.0 | 0.035 | 0.002 | 0.088 | 1.000 | 0.011 | 0.028 |
| 80 09 01 1315 | | | .3 | 1 | 14715 | 6 8 | 20.0 | 10.0 | 0.032 | 0.004 | 0.110 | 0.720 | 0.007 | 0.043 |
| 80 09 28 1250 | | | .3 | 1 | 14751 | 6 8 | 12.0 | 10.0 | 0.024 | 0.012 | 0.036 | 0.350 | 0.001 | 0.039 |
| 80 11 09 1125 | | | .3 | 1 | 14779 | 6 8 | 1.0 | 10.0 | 0.007 | 0.002 | 0.010 | 0.210 | 0.010 | 0.215 |
| 80 12 06 1320 | | | .3 | 1 | 14799 | 4 6 8 | 0.0 | 10.0 | 0.015 | 0.002 | 0.030 | 0.270 | 0.004 | 0.176 |
| MAXIMUM | | | | | | | 22.0 | 10.0 | 0.040 | 0.012 | 0.288 | 1.000 | 0.011 | 0.260 |
| ARITH MEAN | | | | | | | 12.0 | 9.2 | 0.026 | 0.003 | 0.087 | 0.558 | 0.006 | 0.090 |
| GEOM MEAN | | | | | | | 6.7 | 9.2 | 0.023 | 0.003 | 0.057 | 0.491 | 0.005 | 0.050 |
| MINIMUM | | | | | | | 0.0 | 8.0 | 0.007 | 0.002 | 0.010 | 0.210 | 0.001 | 0.014 |
| STD DEV | | | | | | | 9.3 | 0.8 | 0.010 | 0.003 | 0.087 | 0.290 | 0.003 | 0.096 |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 03 15 1325 | | | .3 | 1 | 0.553 | 0.692 | 1.245 | 178.0 | 9.0 | | 260.0 | 5.10 | 4.950 | |
| 80 05 04 1100 | | | .3 | 1 | 0.051 | 0.374 | 0.425 | 65.0 | 6.0 | 59.000 | 90.0 | 3.70 | 0.850 | 6.88 |
| 80 05 31 1200 | | | .3 | 1 | 0.160 | 0.430 | 0.590 | 64.0 | 5.0 | 59.000 | 90.0 | 3.40 | 0.500 | 7.02 |
| 80 06 28 1200 | | | .3 | 1 | 0.076 | 0.464 | 0.540 | 79.0 | 7.0 | 72.000 | 110.0 | 3.10 | 1.400 | 7.20 |
| 80 07 26 1310 | | | .3 | 1 | 0.127 | 0.912 | 1.039 | 65.00 | 3.00 | 62.000 | 95.0 | 3.70 | 0.450 | 7.38 |
| 80 09 01 1315 | | | .3 | 1 | 0.160 | 0.610 | 0.770 | 93.0 | 8.0 | 85.000 | 130.0 | 5.10 | 1.400 | 7.40 |
| 80 09 28 1250 | | | .3 | 1 | 0.076 | 0.314 | 0.390 | 92.0 | 3.0 | 89.000 | 137.0 | 1.60 | 1.150 | 6.74 |
| 80 11 09 1125 | | | .3 | 1 | 0.235 | 0.200 | 0.435 | 86.0 | 3.0 | 83.000 | 128.0 | 1.90 | 1.400 | 6.95 |
| 80 12 06 1320 | | | .3 | 1 | 0.210 | 0.240 | 0.450 | 90.0 | 5.0 | 85.000 | 131.0 | 3.00 | 1.400 | 6.60 |
| MAXIMUM | | | | | 0.553 | 0.912 | 1.245 | 178.0 | 9.0 | 89.000 | 260.0 | 5.10 | 4.950 | 7.40 |
| ARITH MEAN | | | | | 0.183 | 0.471 | 0.654 | 90.2 | 5.4 | 74.250 | 130.1 | 3.40 | 1.500 | 7.02 |
| GEOM MEAN | | | | | 0.144 | 0.423 | 0.601 | 85.7 | 5.0 | 73.256 | 123.3 | 3.19 | 1.172 | 7.02 |
| MINIMUM | | | | | 0.051 | 0.200 | 0.390 | 64.0 | 3.00 | 59.000 | 90.0 | 1.60 | 0.450 | 6.60 |
| STD DEV | | | | | 0.152 | 0.231 | 0.304 | 35.0 | 2.2 | 12.792 | 52.2 | 1.21 | 1.350 | 0.29 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 8 |

| TEST-NAME: | | | | | ALUT | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 03 15 1325 | | | .3 | 1 | 0.130 | 0.010< | 0.030< | 0.070 | 0.180 |
| 80 05 04 1100 | | | .3 | 1 | 0.170 | 0.030 | 0.030< | 0.010< | 0.020< |
| 80 05 31 1200 | | | .3 | 1 | 0.020< | 0.020 | 0.030< | 0.010< | 0.160 |
| 80 06 28 1200 | | | .3 | 1 | 0.260 | 0.040 | 0.030< | 0.020 | 0.110 |
| 80 09 01 1315 | | | .3 | 1 | 0.11 | 0.011 | 0.003< | 0.005 | 0.088 |
| 80 09 28 1250 | | | .3 | 1 | 0.11 | 0.018 | 0.003< | 0.015 | 0.30 |
| 80 11 09 1125 | | | .3 | 1 | 0.170 | 0.015 | 0.003< | 0.025 | 0.240 |
| 80 12 06 1320 | | | .3 | 1 | 0.230 | 0.018 | 0.010 | 0.034 | 0.260 |
| MAXIMUM | | | | | 0.260 | 0.040 | 0.030 | 0.070 | 0.30 |
| ARITH MEAN | | | | | 0.15 L | 0.020L | 0.017L | 0.024L | 0.17 L |
| GEOM MEAN | | | | | 0.12 L | 0.018L | 0.011L | 0.018L | 0.13 L |
| MINIMUM | | | | | 0.020< | 0.010< | 0.003< | 0.005< | 0.020< |
| STD DEV | | | | | 0.07 L | 0.010L | 0.014L | 0.021L | 0.09 L |
| NO OF SAMPLES | | | | | 8 | 8 | 8 | 8 | 8 |

B.O.W./ SITE: **CONISTON CREEK**
SAMPLE POINT: **HIGHWAY 17 CONISTON**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **FRENCH RIVER WEST CHANNEL**

STATION ID: **03-0134-005-02**
STORET CODE: **02**
**002**
**5500**

LAT: LONG: U T M: **17 0512100.0 5148750.0 4** REGION: **05** DISTANCE: **88.512**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 16 1340 | | | .3 | 1 | 14534 | 2 | | | | | | | | |
| 80 03 15 1515 | | | .3 | 1 | 14572 | 4 6 8 | 0.0 | 9.0 | 0.050 | 0.003 | 0.900 | 1.230 | 0.280 | 0.450 |
| 80 05 04 1230 | | | .3 | 1 | 14606 | 6 8 | 14.0 | 8.0 | 0.068 | 0.047 | 0.104 | 0.410 | 0.005 | 0.435 |
| 80 06 01 1130 | | | .3 | 1 | 14638 | 6 8 | 19.0 | 8.0 | 0.009 | 0.001 | 0.036 | 0.350 | 0.002 | 0.008 |
| 80 06 28 1320 | | | .3 | 1 | 14669 | 6 8 | 21.0 | 7.0 | 0.030 | 0.001 | 0.140 | 0.600 | 0.003 | 0.012 |
| 80 07 26 1440 | | | .3 | 1 | 14689 | 6 8 | 22.0 | 8.0 | 0.055 | 0.001 | 0.094 | 0.850 | 0.003 | 0.007 |
| 80 09 01 1505 | | | .3 | 1 | 14719 | 6 8 | 20.0 | 9.0 | 0.014 | 0.003 | 0.018 | 0.370 | 0.002 | 0.013 |
| 80 09 28 1440 | | | .3 | 1 | 14755 | 6 8 | 12.0 | 8.0 | 0.030 | 0.022 | 0.032 | 0.330 | 0.001 | 0.149 |
| 80 11 09 1005 | | | .3 | 1 | 14776 | 6 8 | 1.0 | 8.0 | 0.005 | 0.001 | 0.042 | 0.300 | 0.002 | 0.488 |
| 80 12 06 1450 | | | .3 | 1 | 14802 | 4 6 8 | 0.0 | 9.0 | 0.010 | 0.002 | 0.082 | 0.290 | 0.009 | 0.661 |
| MAXIMUM | | | | | | | 22.0 | 9.0 | 0.068 | 0.047 | 0.900 | 1.230 | 0.280 | 0.661 |
| ARITH MEAN | | | | | | | 12.1 | 8.2 | 0.030 | 0.009 | 0.161 | 0.526 | 0.034 | 0.247 |
| GEOM MEAN | | | | | | | 6.8 | 8.2 | 0.022 | 0.003 | 0.076 | 0.462 | 0.005 | 0.076 |
| MINIMUM | | | | | | | 0.0 | 7.0 | 0.005 | 0.001 | 0.018 | 0.290 | 0.001 | 0.007 |
| STD DEV | | | | | | | 9.4 | 0.7 | 0.023 | 0.016 | 0.280 | 0.320 | 0.092 | 0.280 |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

(CONTD)

B O W / SITE: **CONISTON CREEK**
SAMPLE POINT: **HIGHWAY 17 CONISTON**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **FRENCH RIVER WEST CHANNEL**

STATION ID: **03-0134-005-02**
STORET CODE: **02**
**002**
**5500**

LAT LONG U T M **17 0512100.0 5148750.0 4** REGION **05** DISTANCE: **88.512**

| TEST-NAME: | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 03 15 1515 | | | .3 | 1 | 1.630 | 0.330 | 1.960 | 910.0 | 84.0 | | 1100.0 | 18.00 | 30.000 | |
| 80 05 04 1230 | | | .3 | 1 | 0.544 | 0.306 | 0.850 | 365.0 | 7.0 | 358.0 | 465.0 | 3.40 | 19.000 | 7.09 |
| 80 06 01 1130 | | | .3 | 1 | 0.046 | 0.314 | 0.360 | 773.0 | 2.0 | | 850.0 | 1.90 | 24.500 | 7.25 |
| 80 06 28 1320 | | | .3 | 1 | 0.155 | 0.460 | 0.615 | 535.0 | 19.0 | 516.0 | 650.0 | 4.30 | 34.000 | 7.66 |
| 80 07 26 1440 | | | .3 | 1 | 0.104 | 0.756 | 0.860 | 258.0 | 8.0 | 250.000 | 385.0 | 3.90 | 37.500 | 7.28 |
| 80 09 01 1505 | | | .3 | 1 | 0.033 | 0.352 | 0.385 | 854.0 | 3.0 | 851.0 | 1000.0 | 1.50 | 25.000 | 7.80 |
| 80 09 28 1440 | | | .3 | 1 | 0.182 | 0.298 | 0.480 | 444.0 | 5.0 | | 640.0 | 2.30 | 21.000 | 7.69 |
| 80 11 09 1005 | | | .3 | 1 | 0.532 | 0.258 | 0.790 | 484.0 | 5.0 | | 640.0 | 2.00 | 20.500 | 7.53 |
| 80 12 06 1450 | | | .3 | 1 | 0.752 | 0.208 | 0.960 | 467.0 | 7.0 | | 620.0 | 2.60 | 24.500 | 7.29 |
| **MAXIMUM** | | | | | **1.630** | **0.756** | **1.960** | **910.0** | **84.0** | **851.0** | **1100.0** | **18.00** | **37.500** | **7.80** |
| **ARITH MEAN** | | | | | **0.442** | **0.366** | **0.807** | **565.6** | **15.6** | **493.7** | **706.6** | **4.43** | **26.222** | **7.45** |
| **GEOM MEAN** | | | | | **0.227** | **0.341** | **0.708** | **525.1** | **7.7** | **445.2** | **671.2** | **3.20** | **25.583** | **7.44** |
| **MINIMUM** | | | | | **0.033** | **0.208** | **0.360** | **258.0** | **2.0** | **250.000** | **385.0** | **1.50** | **19.000** | **7.09** |
| **STD DEV** | | | | | **0.514** | **0.162** | **0.485** | **226.9** | **26.1** | **262.0** | **235.3** | **5.18** | **6.340** | **0.26** |
| **NO OF SAMPLES** | | | | | **9** | **9** | **9** | **9** | **9** | **4** | **9** | **9** | **9** | **8** |

| TEST-NAME: | | | | | ASUT | ALUT | CUUT | PBUT | CDUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TCT. MG/L AS NI |
| 80 03 15 1515 | | | .3 | 1 | 0.004 | 1.300 | 0.060 | 0.030< | 0.005 < | 0.030 | 0.520 |
| 80 05 04 1230 | | | .3 | 1 | 0.002 | 0.130 | 0.050 | 0.030< | 0.005 < | 0.040 | 1.200 |
| 80 06 01 1130 | | | .3 | 1 | 0.001< | 0.050 | 0.040 | 0.030< | 0.005 < | 0.010 | 0.810 |
| 80 06 28 1320 | | | 3 | 1 | 0.002 | 0.770 | 0.040 | 0.030< | 0.005 < | 0.010< | 0.370 |
| 80 07 26 1440 | | | .3 | 1 | 0.001 | 0.350 | 0.030 | 0.030< | 0.005 < | 0.020 | 0.220 |
| 80 09 01 1505 | | | .3 | 1 | 0.002 | 0.040 | 0.017 | 0.003< | 0.0002< | 0.001< | 0.240 |
| 80 09 28 1440 | | | 3 | 1 | 0.002 | 0.13 | 0.028 | 0.003< | 0.0007 | 0.009 | 0.41 |
| 80 11 09 1005 | | | .3 | 1 | 0.001< | 0.190 | 0.019 | 0.003< | 0.0002< | 0.018 | 0.780 |
| 80 12 06 1450 | | | 3 | 1 | 0.001< | 0.190 | 0.020 | 0.003< | 0.0006 | 0.031 | 0.330 |
| **MAXIMUM** | | | | | **0.004** | **1.300** | **0.060** | **0.030** | **0.005** | **0.040** | **1.200** |
| **ARITH MEAN** | | | | | **0.002L** | **0.35** | **0.034** | **0.018L** | **0.003 L** | **0.019L** | **0.54** |
| **GEOM MEAN** | | | | | **0.002L** | **0.19** | **0.031** | **0.011L** | **0.001 L** | **0.013L** | **0.46** |
| **MINIMUM** | | | | | **0.001<** | **0.040** | **0.017** | **0.003<** | **0.0002<** | **0.001<** | **0.220** |
| **STD DEV** | | | | | **0.001L** | **0.42** | **0.015** | **0.014L** | **0.002 L** | **0.013L** | **0.32** |
| **NO OF SAMPLES** | | | | | **9** | **9** | **9** | **9** | **9** | **9** | **9** |

B O W / SITE: **CONISTON CREEK**
SAMPLE POINT: **UPSTREAM FROM WANAPITEI RIVER CONISTON**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **FRENCH RIVER WEST CHANNEL**

STATION ID: **03-0134-006-02**
STORET CODE: **02**
**002**
**5500**

LAT LONG: U T M: **17 0513700.0 5146600.0 4** REGION **05** DISTANCE: **84.971**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 16 1430 | | | .3 | 1 | 14536 | 2 | | | | | | | | |
| 80 03 15 1600 | | | .3 | 1 | 14574 | 4 6 8 | 0.0 | 9.0 | 0.103 | 0.001 | 0.660 | 1.250 | 0.210 | 0.655 |
| 80 05 04 1350 | | | .3 | 1 | 14608 | 6 8 3 | 14.0 | 9.0 | 0.108 | 0.058 | 0.490 | 0.920 | 0.012 | 0.418 |
| 80 06 01 1150 | | | .3 | 1 | 14639 | 6 8 | 19.0 | 8.0 | 0.109 | 0.046 | 0.298 | 0.640 | 0.009 | 0.061 |
| 80 06 28 1350 | | | .3 | 1 | 14670 | 3 8 0 | 21.0 | 8.0 | 0.064 | 0.020 | 0.360 | 0.700 | 0.072 | 0.093 |
| 80 07 26 1525 | | | .3 | 1 | 14691 | 6 8 | 22.0 | 8.0 | 0.265 | 0.068 | 0.022 | 1.350 | 0.260 | 0.497 |
| 80 09 01 1530 | | | .3 | 1 | 14720 | 6 8 | 20.0 | 9.0 | 0.156 | 0.090 | 0.078 | 0.520 | 0.037 | 0.328 |
| 80 09 28 1505 | | | .3 | 1 | 14756 | 6 8 | 12.0 | 8.0 | 0.168 | 0.140 | 0.090 | 0.520 | 0.035 | 0.345 |
| 80 11 09 0940 | | | .3 | 1 | 14775 | 6 8 | 1.0 | 8.0 | 0.006 | 0.001 | 0.040 | 0.220 | 0.002 | 0.488 |
| 80 12 06 1545 | | | .3 | 1 | 14804 | 6 8 | 0.0 | 9.0 | 0.059 | 0.014 | 0.500 | 0.830 | 0.013 | 0.682 |
| **MAXIMUM** | | | | | | | **22.0** | **9.0** | **0.265** | **0.140** | **0.660** | **1.350** | **0.260** | **0.682** |
| **ARITH MEAN** | | | | | | | **12.1** | **8.4** | **0.115** | **0.049** | **0.282** | **0.772** | **0.072** | **0.396** |
| **GEOM MEAN** | | | | | | | **6.8** | **8.4** | **0.083** | **0.021** | **0.168** | **0.688** | **0.029** | **0.313** |
| **MINIMUM** | | | | | | | **0.0** | **8.0** | **0.006** | **0.001** | **0.022** | **0.220** | **0.002** | **0.061** |
| **STD DEV** | | | | | | | **9.4** | **0.5** | **0.075** | **0.046** | **0.236** | **0.381** | **0.096** | **0.218** |
| **NO OF SAMPLES** | | | | | | | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 03 15 1600 | | | .3 | 1 | 1.525 | 0.590 | 2.115 | 729.0 | 30.0 | | 920.0 | 12.50 | 26.500 | |
| 80 05 04 1350 | | | .3 | 1 | 0.920 | 0.430 | 1.350 | 343.0 | 9.0 | 334.0 | 460.0 | 5.40 | 25.500 | 7.51 |
| 80 06 01 1150 | | | .3 | 1 | 0.368 | 0.342 | 0.710 | 643.0 | 3.0 | | 800.0 | 2.70 | 25.500 | 7.73 |
| 80 06 28 1350 | | | .3 | 1 | 0.525 | 0.340 | 0.865 | 466.0 | 5.0 | 461.0 | 600.0 | 3.10 | 30.000 | 7.67 |
| 80 07 26 1525 | | | .3 | 1 | 0.779 | 1.328 | 2.107 | 759.0 | 106.0 | 653.0 | 850.0 | 27.00 | 29.000 | 7.66 |
| 80 09 01 1530 | | | .3 | 1 | 0.443 | 0.442 | 0.885 | 822.0 | 4.0 | 818.0 | 1000.0 | 2.60 | 28.500 | 8.04 |
| 80 09 28 1505 | | | .3 | 1 | 0.470 | 0.430 | 0.900 | 407.0 | 8.0 | | 630.0 | 4.10 | 26.000 | 7.55 |
| 80 11 09 0940 | | | .3 | 1 | 0.530 | 0.180 | 0.710 | 488.0 | 7.0 | | 640.0 | 2.20 | 20.500 | 7.57 |
| 80 12 06 1545 | | | .3 | 1 | 1.195 | 0.330 | 1.525 | 451.0 | 13.0 | | 620.0 | 6.20 | 31.000 | 7.42 |
| **MAXIMUM** | | | | | **1.525** | **1.328** | **2.115** | **822.0** | **106.0** | **818.0** | **1000.0** | **27.00** | **31.000** | **8.04** |
| **ARITH MEAN** | | | | | **0.751** | **0.490** | **1.241** | **567.6** | **20.6** | **566.5** | **724.4** | **7.31** | **26.944** | **7.64** |
| **GEOM MEAN** | | | | | **0.672** | **0.424** | **1.137** | **544.2** | **10.3** | **535.5** | **705.3** | **5.07** | **26.770** | **7.64** |
| **MINIMUM** | | | | | **0.368** | **0.180** | **0.710** | **343.0** | **3.0** | **334.0** | **460.0** | **2.20** | **20.500** | **7.42** |
| **STD DEV** | | | | | **0.395** | **0.333** | **0.566** | **173.1** | **33.1** | **212.9** | **176.1** | **8.04** | **3.147** | **0.19** |
| **NO OF SAMPLES** | | | | | **9** | **9** | **9** | **9** | **9** | **4** | **9** | **9** | **9** | **8** |

(CONTD)

| | TEST-NAME: | | | ASUT | ALUT | CUUT | PBUT | CDUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 03 15 1600 | | .3 | 1 | 0.002 | 0.410 | 0.110 | 0.030< | 0.005 < | 0.020 | 2.400 |
| 80 05 04 1350 | | .3 | 1 | 0.004 | 0.270 | 0.140 | 0.030< | 0.005 < | 0.040 | 1.800 |
| 80 06 01 1150 | | .3 | 1 | 0.001< | 0.100 | 0.170 | 0.030< | 0.005 < | 0.020 | 2.400 |
| 80 06 28 1350 | | .3 | 1 | 0.001 | 0.140 | 0.060 | 0.030< | 0.005 < | 0.010< | 1.200 |
| 80 07 26 1525 | | .3 | 1 | 0.002 | 2.300 | 0.060 | 0.030< | 0.005 < | 0.010 | 1.300 |
| 80 09 01 1530 | | .3 | 1 | 0.002 | 0.087 | 0.022 | 0.003< | | 0.003 | 0.640 |
| 80 09 28 1505 | | .3 | 1 | 0.002 | 0.27 | 0.11 | 0.003< | 0.0004 | 0.018 | 1.4 |
| 80 11 09 0940 | | .3 | 1 | 0.001< | 0.360 | 0.020 | 0.003< | 0.0004 | 0.018 | 0.620 |
| 80 12 06 1545 | | .3 | 1 | 0.001< | 0.420 | 0.034 | 0.003< | 0.0003 | 0.037 | 1.100 |
| | MAXIMUM | | | 0.004 | 2.300 | 0.170 | 0.030 | 0.006 | 0.040 | 2.400 |
| | ARITH MEAN | | | 0.002L | 0.48 | 0.08 | 0.018L | 0.003 L | 0.020L | 1.4 |
| | GEOM MEAN | | | 0.002L | 0.28 | 0.06 | 0.011L | 0.001 L | 0.018L | 1.2 |
| | MINIMUM | | | 0.001< | 0.087 | 0.020 | 0.003< | 0.0003< | 0.003< | 0.620 |
| | STD DEV | | | 0.001L | 0.69 | 0.05 | 0.014L | 0.002 L | 0.012L | 0.6 |
| | NO OF SAMPLES | | | 9 | 9 | 9 | 9 | 8 | 9 | 9 |

B.O.W./ SITE: **WANAPITEI RIVER**
SAMPLE POINT: **AT TIMMINS CHUTE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **FRENCH RIVER WEST CHANNEL**

STATION ID: **03-0134-008-02**
STORET CODE: **02**
**002**
**5600**

LAT:
LONG:
U T M: **17 0522300.0 5151850.0 4**
REGION: **06**
DISTANCE: **98.075**

| | TEST-NAME: | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 16 1145 | | .3 | 1 | 14531 | 6 8 | 0.0 | 13.0 | 0.007 | 0.001 | 0.014 | 0.200 | 0.001 | 0.254 |
| 80 03 15 1345 | | .3 | 1 | 14569 | 6 8 | 0.0 | 12.0 | 0.006 | 0.001 | 0.008 | 0.200 | 0.001 | 0.254 |
| 80 05 04 1125 | | .3 | 1 | 14604 | 3 6 8 | 14.0 | 12.0 | 0.009 | 0.002 | 0.028 | 0.280 | 0.002 | 0.138 |
| 80 05 31 1725 | | .3 | 1 | 14628 | 6 8 | 17.0 | 12.0 | 0.010 | 0.002 | 0.110 | 0.500 | 0.005 | 0.245 |
| 80 06 28 1225 | | .3 | 1 | 14667 | 6 8 | 20.0 | 12.0 | 0.010 | 0.002 | 0.204 | 0.220 | 0.004 | 0.166 |
| 80 07 26 1335 | | .3 | 1 | 14687 | 6 8 | 21.0 | 11.0 | 0.080 | 0.061 | 0.030 | 0.400 | 0.003 | 0.157 |
| 80 09 01 1340 | | .3 | 1 | 14716 | 6 8 | 20.0 | 12.0 | 0.015 | 0.006 | 0.026 | 0.250 | 0.002 | 0.148 |
| 80 09 28 1315 | | .3 | 1 | 14752 | 6 8 | 12.0 | 12.0 | 0.003 | 0.001 | 0.050 | 0.270 | 0.006 | 0.164 |
| 80 11 09 1100 | | .3 | 1 | 14778 | 6 8 | 1.0 | 13.0 | 0.007 | 0.002 | 0.016 | 0.140 | 0.001< | 0.190 |
| 80 12 06 1345 | | .3 | 1 | 14800 | 6 8 | 0.0 | 13.0 | 0.005 | 0.003 | 0.006 | 0.160 | 0.002 | 0.233 |
| | MAXIMUM | | | | | 21.0 | 13.0 | 0.080 | 0.061 | 0.204 | 0.500 | 0.006 | 0.254 |
| | ARITH MEAN | | | | | 10.5 | 12.2 | 0.015 | 0.008 | 0.049 | 0.262 | 0.003L | 0.195 |
| | GEOM MEAN | | | | | 5.5 | 12.2 | 0.009 | 0.003 | 0.028 | 0.244 | 0.002L | 0.190 |
| | MINIMUM | | | | | 0.0 | 11.0 | 0.003 | 0.001 | 0.006 | 0.140 | 0.001< | 0.138 |
| | STD DEV | | | | | 9.2 | 0.6 | 0.023 | 0.019 | 0.062 | 0.111 | 0.002L | 0.047 |
| | NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| | TEST-NAME: | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 02 16 1145 | | .3 | 1 | 0.269 | 0.186 | 0.455 | 81.0 | 5.0 | | 117.0 | 2.00 | 12.500 | |
| 80 03 15 1345 | | .3 | 1 | 0.263 | 0.192 | 0.455 | 53.0 | 0.1 < | | 81.0 | 0.50 | 0.650 | |
| 80 05 04 1125 | | .3 | 1 | 0.168 | 0.252 | 0.420 | 43.0 | 1.0 | 42.000 | 65.0 | 0.85 | 0.600 | 7.21 |
| 80 05 31 1725 | | .3 | 1 | 0.360 | 0.390 | 0.750 | 60.0 | 1.0 | 59.000 | 90.0 | 0.80 | 0.650 | 7.32 |
| 80 06 28 1225 | | .3 | 1 | 0.374 | 0.016 | 0.390 | 54.0 | 2.0 | 52.000 | 80.0 | 0.95 | 0.600 | 7.83 |
| 80 07 26 1335 | | .3 | 1 | 0.190 | 0.370 | 0.560 | 53.00 | 1.00 | 52.000 | 80.0 | 0.70 | 0.500 | 7.57 |
| 80 09 01 1340 | | .3 | 1 | 0.176 | 0.224 | 0.400 | 68.0 | 3.0 | 65.000 | 100.0 | 1.00 | 0.600 | 7.53 |
| 80 09 28 1315 | | .3 | 1 | 0.220 | 0.220 | 0.440 | 160.0 | 1.0 | 159.000 | 245.0 | 0.66 | 0.550 | 7.25 |
| 80 11 09 1100 | | .3 | 1 | 0.207 | 0.124 | 0.331 | 51.0 | 1.0 | 50.000 | 77.0 | 0.45 | 0.450 | 7.28 |
| 80 12 06 1345 | | .3 | 1 | 0.241 | 0.154 | 0.395 | 53.0 | 2.0 | 51.000 | 78.0 | 1.00 | 0.450 | 7.35 |
| | MAXIMUM | | | 0.374 | 0.390 | 0.750 | 160.0 | 5.0 | 159.000 | 245.0 | 2.00 | 12.500 | 7.83 |
| | ARITH MEAN | | | 0.247 | 0.213 | 0.460 | 67.6 | 1.7 L | 66.250 | 101.3 | 0.89 | 1.755 | 7.42 |
| | GEOM MEAN | | | 0.238 | 0.169 | 0.448 | 62.6 | 1.2 L | 60.377 | 93.7 | 0.82 | 0.759 | 7.41 |
| | MINIMUM | | | 0.168 | 0.016 | 0.331 | 43.0 | 0.1 < | 42.000 | 65.0 | 0.45 | 0.450 | 7.21 |
| | STD DEV | | | 0.072 | 0.110 | 0.118 | 34.1 | 1.4 L | 38.074 | 52.5 | 0.44 | 3.776 | 0.21 |
| | NO OF SAMPLES | | | 10 | 10 | 10 | 10 | 10 | 8 | 10 | 10 | 10 | 8 |

| | TEST-NAME: | | | ALUT | CUUT | PBUT | ZNUT | NIUT | RA226F | GACF | GACP | GBCF | GBCP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L |
| 80 02 16 1145 | | .3 | 1 | 0.090 | 0.010< | 0.030< | 0.010< | 0.020< | 1< | 1< | 1< | 2 | 1< |
| 80 03 15 1345 | | .3 | 1 | 0.020< | 0.010< | 0.030< | 0.010< | 0.020< | 1< | 1< | 1< | 1 | 1< |
| 80 05 04 1125 | | .3 | 1 | 0.020< | 0.010< | 0.030< | 0.010< | 0.020< | 1< | 1< | 1< | 2 | 1< |
| 80 05 31 1725 | | .3 | 1 | 0.020< | 0.010< | 0.030< | 0.010< | 0.040 | 1< | 1< | 1< | 2 | 1< |
| 80 06 28 1225 | | .3 | 1 | 0.070 | 0.010< | 0.030< | 0.010< | 0.020< | 1< | 1 | 1< | 5 | 1< |
| 80 09 01 1340 | | .3 | 1 | 0.033 | 0.003 | 0.003< | 0.002 | 0.002< | 1< | 1< | 1< | 1 | 1< |
| 80 09 28 1315 | | .3 | 1 | 0.056 | 0.005 | 0.003< | 0.004 | 0.010 | 1< | 1< | 1< | 2 | 1< |
| 80 11 09 1100 | | .3 | 1 | 0.030 | 0.003 | 0.003< | 0.006 | 0.010 | | | | | |
| 80 12 06 1345 | | .3 | 1 | 0.086 | 0.004 | 0.003< | 0.003 | 0.010 | | | | | |
| | MAXIMUM | | | 0.090 | 0.010 | 0.030 | 0.010 | 0.040 | 1 | 1 | 1 | 5 | 1 |
| | ARITH MEAN | | | 0.047L | 0.007L | 0.018L | 0.007L | 0.017L | 1L | 1L | 1L | 2 | 1L |
| | GEOM MEAN | | | 0.040L | 0.006L | 0.011L | 0.006L | 0.013L | 1L | 1L | 1L | 2 | 1L |
| | MINIMUM | | | 0.020< | 0.003< | 0.003< | 0.002< | 0.002< | 1< | 1< | 1< | 1 | 1< |
| | STD DEV | | | 0.029L | 0.003L | 0.014L | 0.003L | 0.011L | 0L | 0L | 0L | 1 | 0L |
| | NO OF SAMPLES | | | 9 | 9 | 9 | 9 | 9 | 7 | 7 | 7 | 7 | 7 |

B.O.W./ SITE: **WANAPITEI RIVER**
SAMPLE POINT: **AT TIMMINS CHUTE**
STATION TYPE: **RIVER**
MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **FRENCH RIVER WEST CHANNEL**
STATION ID: **03-0134-008-02**
STORET CODE: **02 002 5500**
LAT: LONG:
U T M: **17 0522300.0 5151850.0 4**
REGION: **05**
DISTANCE: **98.075**

| TEST-NAME: | | | | UU238 |
|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | URANIUM 238 UG/L |
| 80 03 15 1345 | | .3 | 1 | 10< |
| 80 05 04 1125 | | .3 | 1 | 10< |
| 80 05 31 1725 | | .3 | 1 | 10< |
| 80 06 28 1225 | | .3 | 1 | 10< |
| 80 09 01 1340 | | .3 | 1 | 10< |
| 80 09 28 1315 | | .3 | 1 | 10< |
| 80 11 09 1100 | | .3 | 1 | 10< |
| MAXIMUM | | | | 10 |
| ARITH MEAN | | | | 10L |
| GEOM MEAN | | | | 10L |
| MINIMUM | | | | 10< |
| STD DEV | | | | 0L |
| NO OF SAMPLES | | | | 7 |

B.O.W./ SITE: **ROMFORD CREEK**
SAMPLE POINT: **UPSTREAM FROM JUNCTION WITH CONISTON CR**
STATION TYPE: **RIVER**
MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **FRENCH RIVER WEST CHANNEL**
STATION ID: **03-0134-013-02**
STORET CODE: **02 002 5500**
LAT: LONG:
U T M: **17 0512500.0 5147800.0 4**
REGION: **05**
DISTANCE: **88.672**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 16 1400 | | .3 | 1 | 14535 | 2 | | | | | | | | |
| 80 03 15 1530 | | .3 | 1 | 14573 | 2 | | | | | | | | |
| 80 05 04 1250 | | .3 | 1 | 14607 | 6 8 | 14.0 | 8.0 | 2.510 | 0.004 | 2.080 | 3.050 | 0.035 | 0.435 |
| 80 06 01 1110 | | .3 | 1 | 14637 | 6 8 | 19.0 | 7.0 | 0.024 | 0.004 | 0.008 | 1.090 | 0.004 | 0.116 |
| 80 06 28 1300 | | .3 | 1 | 14668 | 6 8 | 22.0 | 7.0 | 0.048 | 0.006 | 0.064 | 1.780 | 0.005 | 0.020 |
| 80 07 26 1500 | | .3 | 1 | 14690 | 6 8 | 22.0 | 8.0 | 0.245 | 0.190 | 0.074 | 0.450 | 0.004 | 0.011 |
| 80 09 01 1440 | | .3 | 1 | 14718 | 6 8 | 21.0 | 7.0 | 0.025 | 0.004 | 0.010 | 0.720 | 0.003 | 0.007 |
| 80 09 28 1415 | | .3 | 1 | 14754 | 6 8 9 | 13.0 | 8.0 | 0.065 | 0.046 | 0.040 | 0.690 | 0.003 | 0.212 |
| 80 11 09 1025 | | .3 | 1 | 14777 | 6 8 9 | 1.0 | 7.0 | 0.007 | 0.001< | 0.018 | 0.160 | 0.002 | 0.218 |
| 80 12 06 1510 | | .3 | 1 | 14803 | 4 6 8 | 0.0 | 8.0 | 0.017 | 0.003 | 0.092 | 0.630 | 0.002 | 1.100 |
| MAXIMUM | | | | | | 22.0 | 8.0 | 2.510 | 0.190 | 2.080 | 3.050 | 0.035 | 1.100 |
| ARITH MEAN | | | | | | 14.0 | 7.5 | 0.368 | 0.032L | 0.298 | 1.071 | 0.007 | 0.265 |
| GEOM MEAN | | | | | | 8.8 | 7.5 | 0.058 | 0.008L | 0.052 | 0.777 | 0.004 | 0.089 |
| MINIMUM | | | | | | 0.0 | 7.0 | 0.007 | 0.001< | 0.008 | 0.160 | 0.002 | 0.007 |
| STD DEV | | | | | | 9.0 | 0.5 | 0.869 | 0.065L | 0.721 | 0.933 | 0.011 | 0.367 |
| NO OF SAMPLES | | | | | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |

| TEST-NAME: | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 05 04 1250 | | .3 | 1 | 2.550 | 0.970 | 3.520 | 296.0 | 22.0 | 274.0 | 475.0 | 5.30 | 62.000 | 7.72 |
| 80 06 01 1110 | | .3 | 1 | 0.128 | 1.082 | 1.210 | 376.0 | 6.0 | | 600.0 | 4.00 | 88.500 | 7.81 |
| 80 06 28 1300 | | .3 | 1 | 0.089 | 1.716 | 1.805 | 592.0 | 6.0 | 586.0 | 1000.0 | 5.50 | 169.000 | 7.83 |
| 80 07 26 1500 | | .3 | 1 | 0.089 | 0.376 | 0.465 | 675.0 | 3.0 | 672.0 | 850.0 | 2.70 | 25.500 | 7.98 |
| 80 09 01 1440 | | .3 | 1 | 0.020 | 0.710 | 0.730 | | 3.0 | | 900.0 | 2.60 | 158.000 | 7.78 |
| 80 09 28 1415 | | .3 | 1 | 0.255 | 0.650 | 0.905 | 308.0 | 3.0 | | 540.0 | 2.50 | 86.500 | 7.82 |
| 80 11 09 1025 | | .3 | 1 | 0.238 | 0.142 | 0.380 | 68.0 | 5.0 | | 97.0 | 1.30 | 1.350 | 7.29 |
| 80 12 06 1510 | | .3 | 1 | 1.194 | 0.538 | 1.732 | 331.0 | 5.0 | | 520.0 | 2.90 | 70.000 | 7.19 |
| MAXIMUM | | | | 2.550 | 1.716 | 3.520 | 675.0 | 22.0 | 672.0 | 1000.0 | 5.50 | 169.000 | 7.98 |
| ARITH MEAN | | | | 0.570 | 0.773 | 1.343 | 378.0 | 6.6 | 510.7 | 622.7 | 3.36 | 82.606 | 7.68 |
| GEOM MEAN | | | | 0.210 | 0.627 | 1.057 | 315.1 | 5.2 | 476.1 | 526.9 | 3.06 | 48.485 | 7.67 |
| MINIMUM | | | | 0.020 | 0.142 | 0.380 | 68.0 | 3.0 | 274.0 | 97.0 | 1.30 | 1.350 | 7.19 |
| STD DEV | | | | 0.885 | 0.486 | 1.027 | 201.6 | 6.3 | 209.4 | 289.6 | 1.46 | 58.120 | 0.28 |
| NO OF SAMPLES | | | | 8 | 8 | 8 | 7 | 8 | 3 | 8 | 8 | 8 | 8 |

| TEST-NAME: | | | | ASUT | ALUT | CUUT | PBUT | CDUT | ZNUT | NIUT | RA226F | GACF | GACP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L |
| 80 05 04 1250 | | .3 | 1 | 0.004 | 0.140 | 0.110 | 0.030< | 0.005 < | 0.040 | 1.100 | | | |
| 80 06 01 1110 | | .3 | 1 | 0.001< | 0.290 | 0.060 | 0.030< | 0.005 < | 0.030 | 0.440 | | | |
| 80 06 28 1300 | | .3 | 1 | 0.002 | 0.120 | 0.040 | 0.030< | 0.005 < | 0.010 | 0.320 | | | |
| 80 07 26 1500 | | .3 | 1 | 0.001 | 0.160 | 0.010 | 0.030< | 0.005 < | 0.010< | 0.220 | | | |
| 80 09 01 1440 | | .3 | 1 | 0.002 | 0.083 | 0.039 | 0.003< | | 0.014 | 0.660 | | | |
| 80 09 28 1415 | | .3 | 1 | 0.003 | 0.19 | 0.11 | 0.003< | 0.0008 | 0.036 | 0.60 | | | |
| 80 11 09 1025 | | .3 | 1 | 0.001< | 0.002< | 0.001< | 0.003< | 0.0002< | 0.030 | 0.880 | | | |
| 80 12 06 1510 | | .3 | 1 | 0.001< | 0.300 | 0.072 | 0.003< | 0.0006 | 0.048 | 0.740 | 1< | 1< | 1< |
| MAXIMUM | | | | 0.004 | 0.300 | 0.11 | 0.030 | 0.005 | 0.048 | 1.100 | 1 | 1 | 1 |
| ARITH MEAN | | | | 0.002L | 0.16 L | 0.05 L | 0.016L | 0.003 L | 0.027L | 0.62 | 1L | 1L | 1L |
| GEOM MEAN | | | | 0.002L | 0.09 L | 0.03 L | 0.009L | 0.001 L | 0.023L | 0.55 | | | |
| MINIMUM | | | | 0.001< | 0.002< | 0.001< | 0.003< | 0.0002< | 0.010< | 0.220 | 1< | 1< | 1< |
| STD DEV | | | | 0.001L | 0.10 L | 0.04 L | 0.014L | 0.002 L | 0.014L | 0.29 | | | |
| NO OF SAMPLES | | | | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 1 | 1 | 1 |

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| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | GBCF GROSS BETA CT FILTERED PCI/L | GBCP GROSS BETA CT UNDISSOL PCI/L | UU238 URANIUM 238 UG/L |
|---|---|---|---|---|---|---|
| 80 12 06 1510 | | .3 | 1 | 12< | 1< | 10< |
| MAXIMUM | | | | 12 | 1 | 10 |
| ARITH MEAN | | | | 12L | 1L | 10L |
| GEOM MEAN | | | | | | |
| MINIMUM | | | | 12< | 1< | 10< |
| STD DEV | | | | | | |
| NO OF SAMPLES | | | | 1 | 1 | 1 |

| | | |
|---|---|---|
| B.O.W./SITE: **LITTLE RIVER**<br>SAMPLE POINT: **AT RIVERSIDE DRIVE WINDSOR**<br>STATION TYPE: **RIVER** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE ERIE**<br>TERM STREAM: **LITTLE RIVER** | STATION ID: **04-0001-001-02**<br>STORET CODE: **02**<br>**003**<br>**2750** |
| LAT: | LONG: | U T M: **17 0339950.0 4688950.0 4** REGION: **01** DISTANCE: **0.161** |

| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE SAMPLE NUMBER | FWSTRC STREAM COND. | TCMF COLIFORM TOTAL MF CNT /100ML | TCMFBK COLIFORM TOTAL MF BCKGRD CNT /100ML | FCMF FECAL COLIFORM MF CNT /100ML | FSMF FECAL STREPCUS MF CNT /100ML | PSAMF PSEUDOMN AERUG. MF CNT /100ML | FWTEMP WATER TEMP DEG.C | DO DISOLVED OXYGEN MG/L AS O | BOD5 BOD 5 DAY TOT.DEM. MG/L AS O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 02 11 1320 | | .3 | 1 | 30516 | 4 | 40 | 36 | 4< | 4< | 4< | 1.5 | 12.6 | 1.2 |
| 80 03 10 1335 | | .3 | 1 | 30530 | 6 | 4< | 4 | 4< | 4< | 4< | 7.2 | 8.0 | 5.0 |
| 80 04 14 1410 | | .3 | 1 | 30545 | 6 | 700000 | 1920000 | 140000 | 18000> | 130C | 5.5 | 11.2 | 7.6 |
| 80 05 12 1315 | | .3 | 1 | 30563 | 6 | 31000 | 95000 | 1000< | 1000< | 2 | 15.9 | 6.8 | 10.0 |
| 80 06 10 1400 | | .3 | 1 | 30599 | 3 | 1000 | 2400 | 10I | 10< | 10< | 16.0 | 6.8 | 1.6 |
| 80 07 23 1430 | | .3 | 1 | 30620 | 3 0 | 18100> | 61000 | 440 | 192 | 80 | 24.7 | 7.1 | 1.2 |
| 80 08 11 1440 | | .3 | 1 | 30629 | 3 9 | 133000C | 330000 | 1500> | 600> | 40 | 24.3 | 6.7 | 3.0 |
| 80 09 08 1315 | | .3 | 1 | 30644 | 6 | 4000 | 14000 | 50I | 70I | 12 | 24.0 | 6.1 | 1.8 |
| 80 11 10 1415 | | .3 | 1 | 30659 | | 6000C | 41000 | 80I | 230 | 4< | 11.0 | 5.7 | 2.8 |
| 80 12 09 1315 | | .3 | 1 | 30675 | 3 6 | 510000 | 760000 | 31400> | 5100 | 256C | 8.2 | 7.6 | 4.6 |
| MAXIMUM | | | | | | 700000> | 1920000 | 140000> | 18000> | 256 | 24.7 | 12.6 | 10.0 |
| ARITH MEAN | | | | | | 140314B | 322344 | 17449B | 2521B | 54L | 13.8 | 7.9 | 3.9 |
| GEOM MEAN | | | | | | 6324B | 14939 | 287B | 175B | 17L | 10.7 | 7.6 | 3.0 |
| MINIMUM | | | | | | 4< | 4 | 4< | 4< | 2< | 1.5 | 5.7 | 1.2 |
| STD DEV | | | | | | 252157B | 609961 | 44152B | 5656B | 83L | 8.5 | 2.3 | 3.0 |
| NO OF SAMPLES | | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PPUT PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR PO4 FIL.REAC MG/L AS P | NNHTFR NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR NO2-N FIL.REAC MG/L AS N | NNO3FR NO3-N FIL.REAC MG/L AS N | NNTIFR ORG N TOTAL FIL.REAC MG/L | NNKUR KJELDAHL ORGANIC UNF.REAC MG/L | NNKI TOTAL N MG/L AS N | RST RESIDUE TOTAL MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 02 11 1320 | | .3 | 1 | 0.026 | 0.003 | 0.185 | 0.440 | 0.012 | 1.440 | 1.637 | 0.255 | 1.892 | 166.0 |
| 80 03 10 1335 | | .3 | 1 | 0.625 | 0.111 | 9.400 | 10.200 | 0.170 | 3.000 | 12.570 | 0.800 | 13.370 | 830.0 |
| 80 04 14 1410 | | .3 | 1 | 1.080 | 0.200 | 0.630 | 3.100 | 0.128 | 2.000 | 2.758 | 2.470 | 5.228 | 1134.0 |
| 80 05 12 1315 | | .3 | 1 | 0.265 | 0.026 | 3.800 | 5.000 | 0.220 | 5.380 | 9.400 | 1.200 | 10.600 | 520.0 |
| 80 06 10 1400 | | .3 | 1 | 0.216 | 0.083 | 2.300 | 3.400 | 0.210 | 6.500 | 9.010 | 1.100 | 10.110 | 534.0 |
| 80 07 23 1430 | | .3 | 1 | 0.136 | 0.075 | 0.460 | 1.060 | 0.050 | 1.150 | 1.660 | 0.600 | 2.260 | 250.8 |
| 80 08 11 1440 | | .3 | 1 | 0.145 | 0.031 | 0.415 | 1.150 | 0.074 | 1.670 | 2.159 | 0.735 | 2.894 | 276.0 |
| 80 09 08 1315 | | .3 | 1 | 0.080 | 0.006 | 0.320 | 0.800 | 0.022 | 1.160 | 1.502 | 0.480 | 1.982 | 185.2 |
| 80 11 10 1415 | | .3 | 1 | 0.560 | 0.225 | 2.300 | 3.100 | 0.230 | 3.900 | 6.430 | 0.800 | 7.230 | 406.5 |
| 80 12 09 1315 | | .3 | 1 | 0.342 | 0.151 | 1.800 | 3.580 | 0.084 | 5.600 | 7.484 | 1.780 | 9.264 | 574.5 |
| MAXIMUM | | | | 1.080 | 0.225 | 9.400 | 10.200 | 0.230 | 6.500 | 12.570 | 2.470 | 13.370 | 1134.0 |
| ARITH MEAN | | | | 0.347 | 0.091 | 2.161 | 3.183 | 0.120 | 3.180 | 5.461 | 1.022 | 6.483 | 487.7 |
| GEOM MEAN | | | | 0.223 | 0.048 | 1.092 | 2.192 | 0.085 | 2.611 | 4.069 | 0.852 | 5.117 | 408.7 |
| MINIMUM | | | | 0.026 | 0.003 | 0.185 | 0.440 | 0.012 | 1.150 | 1.502 | 0.255 | 1.892 | 166.0 |
| STD DEV | | | | 0.324 | 0.080 | 2.808 | 2.879 | 0.083 | 2.032 | 4.036 | 0.662 | 4.209 | 307.0 |
| NO OF SAMPLES | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RSP RESIDUE PARTIC. MG/L | RSF RESIDUE FILTERED MG/L | COND25 CONDUCT. 25C UMHO/CM AT 25 C | TURB TURB'ITY FTU | CLIDUR CHLORIDE UNF.REAC MG/L AS CL | ALKT ALK TOTAL MG/L AS CACO3 | PH PH | FWPH PH FIELD | FEUT IRON UNF.TOT. MG/L AS FE | CRUT CHROMIUM UNF.TOT. MG/L AS CR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 02 11 1320 | | .3 | 1 | 1.0 | 194.000 | 299.0 | 4.80 | 13.500 | 97 | 8.05 | 7.4 | 0.330 | 0.020< |
| 80 03 10 1335 | | .3 | 1 | 13.0 | 817.0 | 1500.0 | 18.00 | 335.000 | 132.0 | 7.34 | 7.0 | 0.100 | 0.040 |
| 80 04 14 1410 | | .3 | 1 | 727.0 | 257.000 | 396.0 | 630.00 | 36.000 | | 7.71 | 8.2 | 29.0 | 0.060 |
| 80 05 12 1315 | | .3 | 1 | 13.0 | 507.0 | 815.0 | 15.00 | 112.000 | 111.0 | 7.48 | | | 0.020< |
| 80 06 10 1400 | | .3 | 1 | 38.0 | 496.0 | 750.0 | 32.00 | 60.000 | | 7.69 | | | |
| 80 07 23 1430 | | .3 | 1 | 15.7 | 212.600 | 327.0 | 10.00 | 36.000 | 93.6 | 7.71 | 7.8 | 1.0 | 0.01 < |
| 80 08 11 1440 | | .3 | 1 | 20.9 | 255.1 | 403.0 | 11.00 | 41.000 | 91.3 | 7.74 | 7.6 | 0.960 | 0.03 |
| 80 09 08 1315 | | .3 | 1 | 17.4 | 192.000 | 296.0 | 23.00 | 20.500 | 88.0 | 8.12 | | 0.980 | 0.010 |
| 80 11 10 1415 | | .3 | 1 | 43.7 | 362.8 | 590.0 | 28.00 | 53.500 | 97.8 | 7.71 | | 1.960 | 0.010 |
| 80 12 09 1315 | | .3 | 1 | 46.3 | 528.2 | 765.0 | 45.00 | 82.000 | 144.0 | 7.62 | 7.5 | 2.800 | 0.015 |
| MAXIMUM | | | | 727.0 | 817.0 | 1500.0 | 630.00 | 335.000 | 144.0 | 8.12 | 8.2 | 29.0 | 0.060 |
| ARITH MEAN | | | | 93.6 | 382.1 | 614.1 | 81.68 | 78.950 | 106 | 7.72 | 7.6 | 4.6 | 0.02 L |
| GEOM MEAN | | | | 23.6 | 339.6 | 534.7 | 24.66 | 52.024 | 105 | 7.71 | 7.6 | 1.2 | 0.02 L |
| MINIMUM | | | | 1.0 | 192.000 | 296.0 | 4.80 | 13.500 | 88.0 | 7.34 | 7.0 | 0.100 | 0.01 < |
| STD DEV | | | | 223.0 | 203.1 | 371.5 | 193.03 | 94.575 | 20 | 0.23 | 0.4 | 9.8 | 0.01 L |
| NO OF SAMPLES | | | | 10 | 10 | 10 | 10 | 10 | 8 | 10 | 6 | 8 | 9 |

| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | CUUT COPPER UNF.TOT. MG/L AS CU | PBUT LEAD UNF.TOT. MG/L AS PB | ZNUT ZINC UNF.TOT. MG/L AS ZN | NIUT NICKEL UNF.TOT. MG/L AS NI |
|---|---|---|---|---|---|---|---|
| 80 02 11 1320 | | .3 | 1 | 0.010< | 0.030< | 0.010< | 0.020 |
| 80 03 10 1335 | | .3 | 1 | 0.010 | 0.030< | 0.130 | 0.020< |
| 80 04 14 1410 | | .3 | 1 | 0.070 | 1.000 | 0.240 | 0.090 |
| 80 05 12 1315 | | .3 | 1 | 0.010 | 0.030< | 0.060 | 0.050 |
| 80 06 10 1400 | | .3 | 1 | 0.010 | 0.030< | 0.030 | 0.020< |
| 80 07 23 1430 | | .3 | 1 | 0.01 < | 0.01 < | 0.028 | 0.010< |
| 80 08 11 1440 | | .3 | 1 | 0.01 | 0.01 < | 0.011 | 0.010< |
| 80 09 08 1315 | | .3 | 1 | 0.010< | 0.010< | 0.016 | 0.010< |
| 80 11 10 1415 | | .3 | 1 | 0.012 | 0.010 | 0.030 | 0.030 |
| 80 12 09 1315 | | .3 | 1 | 0.010 | 0.010 | 0.039 | 0.010 |

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| | | |
|---|---|---|
| BOW/SITE **LITTLE RIVER**<br>SAMPLE POINT **AT RIVERSIDE DRIVE WINDSOR**<br>STATION TYPE **RIVER** | MAJOR BASIN **GREAT LAKES**<br>MINOR BASIN **LAKE ERIE**<br>TERM STREAM **LITTLE RIVER** | STATION ID: **04-0001-001-02**<br>STORET CODE: **02**<br>**003**<br>**2750** |
| LAT LONG | U T M **17 0339950.0 4688950.0 4** | REGION **01** DISTANCE **0.161** |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| MAXIMUM | | | | | 0.070 | 1.000 | 0.240 | 0.090 |
| ARITH MEAN | | | | | 0.01 L | 0.11 L | 0.059L | 0.027L |
| GEOM MEAN | | | | | 0.01 L | 0.02 L | 0.036L | 0.020L |
| MINIMUM | | | | | 0.010< | 0.01 < | 0.010< | 0.010< |
| STD DEV | | | | | 0.01 L | 0.31 L | 0.073L | 0.025L |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 |

| | | |
|---|---|---|
| BOW/SITE **PUCE RIVER**<br>SAMPLE POINT **AT ESSEX COUNTY ROAD 42 SOUTH OF PUCE**<br>STATION TYPE **RIVER** | MAJOR BASIN **GREAT LAKES**<br>MINOR BASIN **LAKE ERIE**<br>TERM STREAM **PUCE RIVER** | STATION ID: **04-0005-003-02**<br>STORET CODE: **02**<br>**003**<br>**2770** |
| LAT: LONG: | U T M: **17 0352500.0 4681925.0 4** | REGION: **01** DISTANCE: **3.380** |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 04 14 1440 | | | .3 | 1 | 30546 | 6 | 10500C | 60000 | | 430 | 100< | 5.5 | 12.0 | 3.2 |
| 80 05 12 1340 | | | .3 | 1 | 30564 | 6 | 800C | 44000 | 100< | 100 | 2< | 15.0 | 9.2 | 10.4 |
| 80 06 10 1440 | | | .3 | 1 | 30600 | 3 | 27000 | 80000 | 1010 | 490 | 4< | 16.2 | 9.1 | 1.6 |
| 80 07 23 1500 | | | .3 | 1 | 30621 | 3 | 800I | 22200 | 260 | 530 | 4< | 27.0 | 9.2 | 0.2 |
| 80 08 11 1525 | | | .3 | 1 | 30630 | 3 | 40000 | 78000 | 1100 | 1500< | 184 | 23.9 | 7.6 | 2.8 |
| 80 09 08 1340 | | | .3 | 1 | 30645 | 6 3 | 2200 | 14000 | 420 | 240 | 12 | 22.5 | 8.8 | 1.6 |
| 80 12 09 1345 | | | .3 | 1 | 30676 | 3 6 | 55000C | 320000 | 1800 | 1500> | 52C | 5.2 | 14.4 | 0.8 |
| MAXIMUM | | | | | | | 55000 | 320000 | 1800 | 1500> | 184 | 27.0 | 14.4 | 10.4 |
| ARITH MEAN | | | | | | | 19471 | 88314 | 782L | 6848 | 51L | 16.5 | 10.0 | 2.9 |
| GEOM MEAN | | | | | | | 7065 | 55580 | 529L | 4828 | 17L | 13.9 | 9.8 | 1.7 |
| MINIMUM | | | | | | | 800 | 14000 | 100< | 100< | 2< | 5.2 | 7.6 | 0.2 |
| STD DEV | | | | | | | 21666 | 105288 | 642L | 5778 | 69L | 8.7 | 2.3 | 3.5 |
| NO OF SAMPLES | | | | | | | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 04 14 1440 | | | .3 | 1 | 1.870 | 0.450 | 0.195 | 6.100 | 0.051 | 5.000 | 5.246 | 5.905 | 11.151 | 2086.0 |
| 80 05 12 1340 | | | .3 | 1 | 0.184 | 0.018 | 0.060 | 2.360 | 0.119 | 0.710 | 0.889 | 2.300 | 3.189 | 512.0 |
| 80 06 10 1440 | | | .3 | 1 | 0.258 | 0.158 | 0.390 | 1.640 | 0.164 | 8.900 | 9.454 | 1.250 | 10.704 | 538.0 |
| 80 07 23 1500 | | | .3 | 1 | 0.044 | 0.020 | 0.030 | 0.940 | 0.008 | 0.030 | 0.068 | 0.910 | 0.978 | 437.0 |
| 80 08 11 1525 | | | .3 | 1 | 0.294 | 0.172 | 0.045 | 1.720 | 0.093 | 3.100 | 3.238 | 1.675 | 4.913 | 527.8 |
| 80 09 08 1340 | | | .3 | 1 | 0.088 | 0.031 | 0.015 | 1.140 | 0.030 | 1.920 | 1.965 | 1.125 | 3.090 | 637.2 |
| 80 12 09 1345 | | | .3 | 1 | 0.365 | 0.196 | 0.150 | 1.860 | 0.081 | 19.900 | 20.131 | 1.710 | 21.841 | 750.8 |
| MAXIMUM | | | | | 1.870 | 0.450 | 0.390 | 6.100 | 0.164 | 19.900 | 20.131 | 5.905 | 21.841 | 2086.0 |
| ARITH MEAN | | | | | 0.443 | 0.149 | 0.126 | 2.251 | 0.078 | 5.651 | 5.856 | 2.125 | 7.981 | 784.1 |
| GEOM MEAN | | | | | 0.233 | 0.083 | 0.075 | 1.873 | 0.056 | 1.963 | 2.340 | 1.748 | 5.338 | 674.3 |
| MINIMUM | | | | | 0.044 | 0.018 | 0.015 | 0.940 | 0.008 | 0.030 | 0.068 | 0.910 | 0.978 | 437.0 |
| STD DEV | | | | | 0.639 | 0.153 | 0.134 | 1.760 | 0.054 | 6.958 | 7.039 | 1.729 | 7.245 | 582.9 |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE |
| 80 04 14 1440 | | | .3 | 1 | 1510.0 | 576.0 | 434.0 | 425.00 | 49.000 | 7.70 | 7.0 | 79.000 |
| 80 05 12 1340 | | | .3 | 1 | 56.0 | 456.0 | 695.0 | 48.00 | 73.500 | 8.59 | | 2.340 |
| 80 06 10 1440 | | | .3 | 1 | 38.0 | 500.0 | 670.0 | 68.00 | 55.000 | 7.99 | | |
| 80 07 23 1500 | | | .3 | 1 | 12.0 | 425.0 | 550.0 | 29.00 | 63.500 | 8.82 | 9.0 | |
| 80 08 11 1525 | | | .3 | 1 | 45.9 | 481.9 | 610.0 | 50.00 | 50.000 | 8.02 | 7.9 | |
| 80 09 08 1340 | | | .3 | 1 | 22.3 | 614.9 | 920.0 | 35.00 | 100.000 | 8.17 | | |
| 80 12 09 1345 | | | .3 | 1 | 82.8 | 668.0 | 775.0 | 120.00 | 66.000 | 7.64 | 7.6 | |
| MAXIMUM | | | | | 1510.0 | 668.0 | 920.0 | 425.00 | 100.000 | 8.82 | 9.0 | 79.000 |
| ARITH MEAN | | | | | 252.4 | 531.7 | 664.9 | 110.71 | 65.286 | 8.13 | 7.9 | 40.670 |
| GEOM MEAN | | | | | 61.3 | 525.4 | 648.7 | 70.26 | 63.473 | 8.12 | 7.8 | 13.596 |
| MINIMUM | | | | | 12.0 | 425.0 | 434.0 | 29.00 | 49.000 | 7.64 | 7.0 | 2.340 |
| STD DEV | | | | | 555.0 | 89.5 | 156.9 | 141.84 | 17.706 | 0.44 | 0.8 | 54.207 |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 2 |

B.O.W./ SITE: **BELLE RIVER**
SAMPLE POINT: **AT FIRST ROAD SOUTH OF HIGHWAY 401**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **BELLE RIVER**

STATION ID: **04-0007-002-02**
STORET CODE: **02**
**003**
**2800**

LAT:
LONG:
U T M: **17 0358100.0 4676200.0 4**
REGION: **01**
DISTANCE: **9.978**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 04 14 1505 | | | .3 | 1 | 30547 | 6 | 6700C | 36000 | 1100 | 670 | 10< | 6.0 | 10.6 | 2.2 |
| 80 05 12 1400 | | | .3 | 1 | 30565 | 9 0 | 400I | 4300 | 10I | 50I | 2< | 15.0 | 13.5 | 9.6 |
| 80 06 10 1500 | | | .3 | 1 | 30601 | 3 | 22000 | 40000 | 1500> | 600> | 4 | 15.5 | 8.0 | 1.8 |
| 80 07 23 1530 | | | .3 | 1 | 30622 | 3 | 162000> | 710000 | 43000> | 1500> | 32C | 23.1 | 5.5 | 2.0 |
| 80 08 11 1550 | | | .3 | 1 | 30631 | 3 | 51000 | 160000 | 3500 | 3900 | 100 | 23.0 | 5.2 | 2.6 |
| 80 09 08 1400 | | | .3 | 1 | 30646 | 3 | 4200 | 21000 | 420 | 230 | 4< | 23.5 | 7.3 | 1.6 |
| 80 11 10 1500 | | | .3 | 1 | 30660 | 6 | 64000 | 65000 | 1500> | 380 | 8 | 6.0 | 12.2 | 3.4 |
| 80 12 09 1400 | | | .3 | 1 | 30677 | 3 6 | 24000C | 320000 | | 1500> | 104 | 5.8 | 11.2 | 4.6 |
| **MAXIMUM** | | | | | | | **162000>** | **710000** | **43000>** | **3900>** | **104** | **23.5** | **13.5** | **9.6** |
| **ARITH MEAN** | | | | | | | **41787G** | **169537** | **7290G** | **1104G** | **33L** | **14.7** | **9.2** | **3.5** |
| **GEOM MEAN** | | | | | | | **15387G** | **64705** | **1066G** | **594G** | **13L** | **12.5** | **8.7** | **2.9** |
| **MINIMUM** | | | | | | | **400** | **4300** | **10** | **50** | **2<** | **5.8** | **5.2** | **1.6** |
| **STD DEV** | | | | | | | **53578G** | **241938** | **15786G** | **1252G** | **44L** | **8.0** | **3.1** | **2.7** |
| **NO OF SAMPLES** | | | | | | | **8** | **8** | **7** | **8** | **8** | **8** | **8** | **8** |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 04 14 1505 | | | .3 | 1 | 0.410 | 0.067 | 0.270 | 1.900 | 0.071 | 5.200 | 5.541 | 1.630 | 7.171 | 676.0 |
| 80 05 12 1400 | | | .3 | 1 | 0.288 | 0.009 | 0.025 | 2.640 | 0.003 | 0.020 | 0.048 | 2.615 | 2.663 | 562.0 |
| 80 06 10 1500 | | | .3 | 1 | 0.268 | 0.148 | 0.170 | 1.560 | 0.159 | 8.900 | 9.229 | 1.390 | 10.619 | 552.0 |
| 80 07 23 1530 | | | .3 | 1 | 0.595 | 0.25 | 0.520 | 2.85 | 0.146 | 6.8 | 7.466 | 2.330 | 9.796 | 635.1 |
| 80 09 08 1400 | | | .3 | 1 | 0.244 | 0.158 | 0.045 | 1.180 | 0.063 | 1.150 | 1.258 | 1.135 | 2.393 | 556.4 |
| 80 11 10 1500 | | | .3 | 1 | 0.435 | 0.320 | 0.295 | 1.280 | 0.023 | 0.440 | 0.758 | 0.985 | 1.743 | 569.2 |
| 80 12 09 1400 | | | .3 | 1 | 0.610 | 0.335 | 0.175 | 2.300 | 0.098 | 11.000 | 11.273 | 2.125 | 13.398 | 597.2 |
| **MAXIMUM** | | | | | **0.610** | **0.335** | **0.520** | **2.85** | **0.159** | **11.000** | **11.273** | **2.615** | **13.398** | **676.0** |
| **ARITH MEAN** | | | | | **0.407** | **0.18** | **0.214** | **1.95** | **0.080** | **4.7** | **5.082** | **1.744** | **6.826** | **592.6** |
| **GEOM MEAN** | | | | | **0.383** | **0.12** | **0.146** | **1.86** | **0.049** | **1.6** | **2.127** | **1.646** | **5.257** | **591.0** |
| **MINIMUM** | | | | | **0.244** | **0.009** | **0.025** | **1.180** | **0.003** | **0.020** | **0.048** | **0.985** | **1.743** | **552.0** |
| **STD DEV** | | | | | **0.151** | **0.12** | **0.169** | **0.65** | **0.058** | **4.3** | **4.474** | **0.623** | **4.643** | **46.9** |
| **NO OF SAMPLES** | | | | | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH | FEUT | COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE | CHEM. OX DEMAND MG/L AS O |
| 80 04 14 1505 | | | .3 | 1 | 143.0 | 533.0 | 650.0 | 250.00 | 42.500 | 7.82 | 8.4 | 11.800 | 43 |
| 80 05 12 1400 | | | .3 | 1 | 13.0 | 549.0 | 810.0 | 8.70 | 76.500 | 7.83 | | | |
| 80 06 10 1500 | | | .3 | 1 | 49.0 | 503.0 | 640.0 | 100.00 | 30.000 | 7.81 | | | |
| 80 07 23 1530 | | | .3 | 1 | 154.9 | 580.2 | 466 | 310 | 38.0 | 7.67 | 7.4 | | |
| 80 08 11 1550 | | | .3 | 1 | | | | 60.00 | 29.5 | 7.62 | 7.4 | | |
| 80 09 08 1400 | | | .3 | 1 | 33.0 | 523.4 | 760.0 | 46.00 | 41.500 | 8.17 | | | |
| 80 11 10 1500 | | | .3 | 1 | 6.0 | 563.2 | 860.0 | 3.00 | 65.000 | 8.01 | | | |
| 80 12 09 1400 | | | .3 | 1 | 95.4 | 501.8 | 580.0 | 200.00 | 44.500 | 7.46 | 7.6 | | |
| **MAXIMUM** | | | | | **154.9** | **580.2** | **860.0** | **310** | **76.500** | **8.17** | **8.4** | **11.800** | **43** |
| **ARITH MEAN** | | | | | **70.6** | **536.2** | **680** | **122** | **45.9** | **7.80** | **7.7** | **11.800** | **43** |
| **GEOM MEAN** | | | | | **42.9** | **535.5** | **668** | **57** | **43.6** | **7.80** | **7.7** | | |
| **MINIMUM** | | | | | **6.0** | **501.8** | **466** | **3.00** | **29.5** | **7.46** | **7.4** | **11.800** | **43** |
| **STD DEV** | | | | | **61.0** | **29.7** | **137** | **116** | **16.5** | **0.22** | **0.5** | | |
| **NO OF SAMPLES** | | | | | **7** | **7** | **7** | **8** | **8** | **8** | **4** | **1** | **1** |

B.O.W./ SITE: **RUSCOM RIVER**
SAMPLE POINT: **1 MILE EAST OF EXIT 6 ON HIGHWAY 401**
STATION TYPE: **RIVER FLOW GAUGE FED 02GH002**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **RUSCOM RIVER**

STATION ID: **04-0010-002-02**
STORET CODE: **02**
**003**
**2830**

LAT:
LONG:
U T M: **17 0366600.0 4676625.0 4**
REGION: **01**
DISTANCE: **9.978**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 02 11 1357 | | | .3 | 1 | 30518 | 4 | 0.036 | 1500C | 34000 | 160 | 84 | 4< | 1.0 | 16.2 |
| 80 04 14 1526 | | | .3 | 1 | 30548 | 6 | 9.110 | 12900C | 36000 | 5600 | 6600 | 100< | | |
| 80 05 12 1410 | | | .3 | 1 | 30566 | 6 | 0.134 | 4900 | 19000 | 300I | 100I | 4< | 17.0 | 7.2 |
| 80 06 10 1515 | | | .3 | 1 | 30602 | 3 | 1.200 | 19000 | 46000 | 1220 | 710 | 4< | 15.0 | 8.9 |
| 80 07 23 1545 | | | .3 | 1 | 30623 | 3 | 3.510 | 330000C | 1900000 | | 1500> | 408C | 22.8 | 6.9 |
| 80 08 11 1610 | | | .3 | 1 | 30632 | 3 | 1.290 | 49000 | 102000 | 6000I | 3600 | 510 | 23.0 | 6.4 |
| 80 09 08 1415 | | | .3 | 1 | 30647 | 6 | 0.130 | 4900 | 19000 | 1200 | 160 | 20 | 22.2 | 10.4 |
| 80 11 10 1530 | | | .3 | 1 | 30661 | 6 | 0.074 | 1600 | 9800 | 190 | 90I | 4< | 6.5 | 11.6 |
| 80 12 09 1430 | | | .3 | 1 | 30678 | 6 3 | 5.070 | 37000 | 84000 | 1210 | 1500> | 20 | 5.2 | 12.4 |
| **MAXIMUM** | | | | | | | **9.110** | **330000** | **1900000** | **6000** | **6600>** | **510** | **23.0** | **16.2** |
| **ARITH MEAN** | | | | | | | **2.284** | **51200** | **249978** | **1985** | **1594G** | **119L** | **14.1** | **10.0** |
| **GEOM MEAN** | | | | | | | **0.610** | **12676** | **52897** | **926** | **550G** | **23L** | **10.0** | **9.5** |
| **MINIMUM** | | | | | | | **0.036** | **1500** | **9800** | **160** | **84** | **4<** | **1.0** | **6.4** |
| **STD DEV** | | | | | | | **3.107** | **105864** | **619520** | **2402** | **2200G** | **197L** | **8.8** | **3.3** |
| **NO OF SAMPLES** | | | | | | | **9** | **9** | **9** | **8** | **9** | **9** | **8** | **8** |

(CONTD)

B.O.W./SITE **RUSCOM RIVER**
SAMPLE POINT **1 MILE EAST OF EXIT 6 ON HIGHWAY 401**
STATION TYPE **RIVER FLOW GAUGE FED 02GH002**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ERIE**
TERM STREAM **RUSCOM RIVER**

STATION ID: **04-0010-002-02**
STORET CODE: **02**
**003**
**2830**

LAT LONG U T M **17 0366600.0 4676625.0 4** REGION **01** DISTANCE: **9.978**

| TEST-NAME: | | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 02 11 1357 | | | .3 | 1 | 1.8 | 0.026 | 0.024 | 0.083 | 0.540 | 0.015 | 3.930 | 4.028 | 0.457 | 4.485 |
| 80 04 14 1526 | | | .3 | 1 | 4.0 | 1.420 | 0.200 | 0.130 | 4.800 | 0.046 | 6.300 | 6.476 | 4.670 | 11.146 |
| 80 05 12 1410 | | | .3 | 1 | 2.6 | 0.080 | 0.006 | 0.015 | 0.800 | 0.026 | 2.170 | 2.211 | 0.785 | 2.996 |
| 80 06 10 1515 | | | .3 | 1 | 0.9 | 0.184 | 0.088 | 0.115 | 1.240 | 0.135 | 1.400 | 1.650 | 1.125 | 2.775 |
| 80 07 23 1545 | | | .3 | 1 | 1.2 | 0.585 | 0.182 | 0.115 | 2.45 | 0.111 | 7.5 | 7.726 | 2.335 | 10.061 |
| 80 09 08 1415 | | | .3 | 1 | 0.9 | 0.118 | 0.055 | 0.040 | 1.100 | 0.051 | 3.200 | 3.291 | 1.060 | 4.351 |
| 80 11 10 1530 | | | .3 | 1 | 1.9 | 0.049 | 0.011 | 0.015 | 0.670 | 0.021 | 1.280 | 1.316 | 0.655 | 1.971 |
| 80 12 09 1430 | | | .3 | 1 | 4.0 | 0.825 | 0.615 | 0.325 | 2.380 | 0.075 | 12.500 | 12.900 | 2.055 | 14.955 |
| MAXIMUM | | | | | 4.0 | 1.420 | 0.615 | 0.325 | 4.800 | 0.135 | 12.500 | 12.900 | 4.670 | 14.955 |
| ARITH MEAN | | | | | 2.2 | 0.411 | 0.148 | 0.105 | 1.74 | 0.060 | 4.7 | 4.950 | 1.643 | 6.592 |
| GEOM MEAN | | | | | 1.9 | 0.187 | 0.060 | 0.067 | 1.35 | 0.046 | 3.6 | 3.773 | 1.268 | 5.202 |
| MINIMUM | | | | | 0.9 | 0.026 | 0.006 | 0.015 | 0.540 | 0.015 | 1.280 | 1.316 | 0.457 | 1.971 |
| STD DEV | | | | | 1.3 | 0.499 | 0.203 | 0.100 | 1.43 | 0.044 | 3.8 | 3.936 | 1.391 | 4.798 |
| NO OF SAMPLES | | | | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 02 11 1357 | | | .3 | 1 | 704.0 | 3.5 | 700.0 | 990.0 | 7.70 | 52.500 | 7.95 | 7.5 |
| 80 04 14 1526 | | | .3 | 1 | 1784.0 | 1194.0 | 590.0 | 484.0 | 1125.00 | 34.000 | 7.71 | |
| 80 05 12 1410 | | | .3 | 1 | 528.0 | 45.0 | 483.0 | 725.0 | 30.00 | 46.000 | 8.14 | |
| 80 06 10 1515 | | | .3 | 1 | 590.0 | 56.0 | 534.0 | 700.0 | 71.00 | 33.000 | 7.95 | |
| 80 07 23 1545 | | | .3 | 1 | 715.6 | 247.4 | 668.2 | 387 | 440 | 27.5 | 7.71 | 7.5 |
| 80 08 11 1610 | | | .3 | 1 | | | 436.5 | | | | | 7.4 |
| 80 09 08 1415 | | | .3 | 1 | 466.4 | 19.9 | 436.5 | 650.0 | 32.00 | 40.500 | 7.82 | |
| 80 11 10 1530 | | | .3 | 1 | 520.3 | 12.3 | 508.0 | 775.0 | 12.00 | 44.500 | 8.04 | |
| 80 12 09 1430 | | | .3 | 1 | 598.2 | 96.6 | 501.6 | 630.0 | 182.00 | 42.500 | 7.50 | 7.7 |
| MAXIMUM | | | | | 1784.0 | 1194.0 | 700.0 | 990.0 | 1125.00 | 52.500 | 8.14 | 7.7 |
| ARITH MEAN | | | | | 738.3 | 209.3 | 539.8 | 667 | 237 | 40.0 | 7.85 | 7.5 |
| GEOM MEAN | | | | | 670.1 | 52.9 | 532.7 | 644 | 69 | 39.3 | 7.85 | 7.5 |
| MINIMUM | | | | | 466.4 | 3.5 | 436.5 | 387 | 7.70 | 27.5 | 7.50 | 7.4 |
| STD DEV | | | | | 431.4 | 405.6 | 94.7 | 182 | 387 | 8.1 | 0.21 | 0.1 |
| NO OF SAMPLES | | | | | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 4 |

B.O.W./SITE **THAMES RIVER**
SAMPLE POINT **AT BRIDGE COUNTY RD 34 PRAIRIE SIDING**
STATION TYPE **RIVER COMPOSITE**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ERIE**
TERM STREAM **THAMES RIVER**

STATION ID: **04-0013-007-62**
STORET CODE **02**
**003**
**2870**

LAT LONG U T M: **17 0391175.0 4689600.0 4** REGION **01** DISTANCE: **14.484**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 03 1500 | | | .3 | 1 | 37200 | 4 | | | | | | | | |
| 80 01 10 1400 | | | .3 | 1 | 37201 | 4 | | | | | | | | |
| 80 01 17 1200 | | | .3 | 1 | 37202 | 4 | | | | | | | | |
| 80 01 22 1100 | | | .3 | 1 | 37203 | 4 | | | 150 | | 8 | | | |
| 80 01 28 1000 | | | .3 | 1 | 35000 | 4 | 3900 | 6000 | 144 | 20 | 4< | 0.5 | 9.5 | 0.9 |
| 80 02 25 1030 | | | .3 | 1 | 35010 | 4 | | | | | | 0.5 | 12.0 | 1.7 |
| 80 03 19 0900 | | | .3 | 1 | 37204 | 4 | | | | | | | | |
| 80 03 23 1800 | | | .3 | 1 | 37205 | 4 | | | 1600 | | 150 | | | |
| 80 03 24 0930 | | | .3 | 1 | 35020 | 6 | 9400C | 37000 | 1200 | 34200> | 10< | 2.0 | 7.0 | 5.6 |
| 80 03 25 1430 | | | .3 | 1 | 37206 | | | | | | | | | |
| 80 03 26 0700 | | | .3 | 1 | 37207 | | | | | | | | | |
| 1430 | | | .3 | 1 | 37208 | | | | | | | | | |
| 80 03 27 0830 | | | .3 | 1 | 37209 | | | | | | | | | |
| 1400 | | | .3 | 1 | 37210 | | | | | | | | | |
| 80 03 28 1530 | | | .3 | 1 | 37211 | | | | | | | | | |
| 80 03 29 1100 | | | .3 | 1 | 37212 | | | | | | | | | |
| 80 03 31 0100 | | | .3 | 1 | 37213 | | | | | | | | | |
| 80 04 01 1200 | | | .3 | 1 | 37214 | | | | | | | | | |
| 80 04 02 0930 | | | .3 | 1 | 37215 | | | | | | | | | |
| 80 04 03 0940 | | | .3 | 1 | 37216 | | | | | | | | | |
| 80 04 08 0920 | | | .3 | 1 | 37217 | | | | | | | | | |
| 80 04 09 0830 | | | .3 | 1 | 37218 | | | | | | | | | |
| 80 04 10 0930 | | | .3 | 1 | 37219 | | | | | | | | | |
| 80 04 11 0830 | | | .3 | 1 | 37220 | | | | | | | | | |
| 80 04 14 0840 | | | .3 | 1 | 37221 | | | | | | | | | |
| 80 04 15 0850 | | | .3 | 1 | 37222 | | | | | | | | | |
| 80 04 16 0855 | | | .3 | 1 | 37223 | | | | | | | | | |
| 1505 | | | .3 | 1 | 37224 | | | | | | | | | |
| 80 04 17 0910 | | | .3 | 1 | 37225 | | | | | | | | | |
| 1540 | | | .3 | 1 | 37226 | | | | | | | | | |
| 80 04 18 0920 | | | .3 | 1 | 37227 | | | | | | | | | |
| 80 04 21 0900 | | | .3 | 1 | 37228 | | | | | | | | | |
| 80 04 22 0850 | | | .3 | 1 | 37229 | | | | | | | | | |
| 80 04 23 0900 | | | .3 | 1 | 37230 | | | | | | | | | |
| 80 04 24 0850 | | | .3 | 1 | 37231 | | | | | | | | | |
| 80 04 25 0850 | | | .3 | 1 | 37232 | | | | | | | | | |
| 80 04 28 0945 | | | .3 | 1 | 35030 | 6 | 2000 | 3900 | 20I | 100< | 4< | 13.0 | 12.0 | 2.0 |
| 80 05 02 0645 | | | .3 | 1 | 37233 | | | | | | | | | |
| 80 05 09 1500 | | | .3 | 1 | 37234 | | | | | | | | | |
| 80 05 14 1300 | | | .3 | 1 | 37235 | | 11000 | 27000 | 1900 | 6500 | | | | |
| 80 05 22 0840 | | | .3 | 1 | 37236 | | | | | | | | | |
| 80 05 26 0845 | | | .3 | 1 | 35041 | 6 | 1400 | 7000 | 24 | 8 | 4< | 18.0 | 6.5 | 1.8 |

(CONTD)

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 05 28 0850 | | | .3 | 1 | 37237 | | | | | | | | | |
| 80 06 04 0830 | | | .3 | 1 | 37238 | | | | | | | | | |
| 80 06 12 0840 | | | .3 | 1 | 37239 | | | | | | | | | |
| 80 06 18 1340 | | | .3 | 1 | 37240 | | | | | | | | | |
| 80 06 23 0845 | | | .3 | 1 | 35052 | 6 | 2800 | 18400 | 24 | 12 | 4 | 20.0 | 10.0 | 1.6 |
| 80 06 25 0830 | | | .3 | 1 | 37241 | | | | | | | | | |
| 80 07 01 0850 | | | .3 | 1 | 37242 | | | | | | | | | |
| 80 07 08 0820 | | | .3 | 1 | 37243 | | | | | | | | | |
| 80 07 16 0830 | | | .3 | 1 | 37244 | | | | 228 | | 72 | | | |
| 80 07 24 0850 | | | .3 | 1 | 37245 | | | | | | | | | |
| 80 07 28 0930 | | | .3 | 1 | 35063 | 6 | 14000 | 163000 | 76 | 80 | 56 | 26.0 | 6.5 | 2.3 |
| 80 07 30 1400 | | | .3 | 1 | 37246 | | | | | | | | | |
| 80 08 08 1600 | | | .3 | 1 | 37247 | | | | | | | | | |
| 80 08 13 1200 | | | .3 | 1 | 37248 | | | | | | | | | |
| 80 08 21 0850 | | | .3 | 1 | 37249 | | | | | | | | | |
| 80 08 25 0930 | | | .3 | 1 | 35074 | 6 | 340C | 4400 | 88 | 32 | 4< | 24.5 | 6.5 | 1.5 |
| 80 08 28 0850 | | | .3 | 1 | 37250 | | | | | | | | | |
| 80 09 02 1000 | | | .3 | 1 | 37255 | | | | | | | | | |
| 80 09 04 0730 | | | .3 | 1 | 37251 | | | | | | | | | |
| 80 09 07 1130 | | | .3 | 1 | 37256 | | | | | | | | | |
| 80 09 11 1700 | | | .3 | 1 | 37252 | | | | | | | | | |
| 80 09 16 1450 | | | .3 | 1 | 37253 | | | | | | | | | |
| 1500 | | | .3 | 1 | 37257 | | | | | | | | | |
| 80 09 22 0930 | | | .3 | 1 | 35085 | 6 | 26000> | 240000> | 240 | 244 | 4 | 20.0 | 5.5 | 1.8 |
| 80 09 24 1100 | | | .3 | 1 | 37254 | | | | | | | | | |
| 80 10 24 0830 | | | .3 | 1 | 37258 | | | | | | | | | |
| 80 10 27 0900 | | | .3 | 1 | 35096 | 6 | 2100 | 13000 | 40I | 104 | 4 | 7.0 | 4.5 | 1.1 |
| 80 10 30 0830 | | | .3 | 1 | 37259 | | | | | | | | | |
| 80 11 06 1450 | | | .3 | 1 | 37260 | | | | | | | | | |
| 80 11 14 1400 | | | .3 | 1 | 37261 | | | | | | | | | |
| 80 11 20 1400 | | | .3 | 1 | 37262 | | | | | | | | | |
| 80 11 24 0930 | | | .3 | 1 | 35106 | 6 | 490 | 1160 | 12 | 20 | 4< | 4.0 | 9.5 | 1.6 |
| 80 11 27 1450 | | | .3 | 1 | 37263 | | | | | | | | | |
| 80 12 04 1230 | | | .3 | 1 | 37264 | | | | | | | | | |
| 80 12 11 1420 | | | .3 | 1 | 37265 | | | | | | | | | |
| 80 12 17 1340 | | | .3 | 1 | 37266 | | | | 10< | | 10< | | | |
| 80 12 23 1230 | | | .3 | 1 | 37267 | | | | | | | | | |
| 80 12 31 1030 | | | .3 | 1 | 37268 | | | | | | | | | |
| MAXIMUM | | | | | | | 26000> | 240000> | 1900 | 34200> | 160 | 28.0 | 12.0 | 5.6 |
| ARITH MEAN | | | | | | | 6675Q | 47351G | 384L | 3756B | 24L | 12.3 | 8.1 | 2.0 |
| GEOM MEAN | | | | | | | 3232G | 14862G | 103L | 117B | 9L | 8.5 | 7.8 | 1.8 |
| MINIMUM | | | | | | | 340 | 1160 | 10< | 8< | 4< | 0.5 | 4.5 | 0.9 |
| STD DEV | | | | | | | 7905Q | 78887Q | 631L | 10280B | 42L | 9.8 | 2.6 | 1.3 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 15 | 11 | 14 | 11 | 11 | 11 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 03 1500 | | | .3 | 1 | 0.140 | 0.075 | | | | 7.710 | | | | |
| 80 01 10 1400 | | | .3 | 1 | 0.230 | 0.046 | | | | 6.830 | | | | |
| 80 01 17 1200 | | | .3 | 1 | 0.270 | | | | | | | | | |
| 80 01 22 1100 | | | .3 | 1 | 0.165 | 0.076 | | | | 6.200 | | | | |
| 80 01 28 1000 | | | .3 | 1 | 0.091 | 0.045 | 0.240 | 0.820 | 0.071 | 6.800 | 7.111 | 0.580 | 7.691 | 448.0 |
| 80 02 25 1030 | | | .3 | 1 | 0.078 | 0.027 | 0.265 | 0.880 | 0.057 | 4.990 | 5.312 | 0.615 | 5.927 | 424.0 |
| 80 03 19 0900 | | | .3 | 1 | 0.502 | 0.125 | | | | 3.810 | | | | |
| 80 03 23 1800 | | | .3 | 1 | 1.306 | 0.145 | | | | 3.080 | | | | |
| 80 03 24 0930 | | | .3 | 1 | 0.825 | 0.144 | 0.440 | 5.450 | 0.062 | 2.900 | 3.402 | 5.010 | 8.412 | 860.0 |
| 80 03 25 1430 | | | .3 | 1 | 0.605 | 0.145 | | | | 3.800 | | | | |
| 80 03 26 0700 | | | .3 | 1 | 0.470 | 0.135 | | | | 4.120 | | | | |
| 1430 | | | .3 | 1 | 0.455 | 0.130 | | | | 4.310 | | | | |
| 80 03 27 0830 | | | .3 | 1 | 0.365 | 0.140 | | | | 4.050 | | | | |
| 1400 | | | .3 | 1 | 0.365 | 0.125 | | | | 4.420 | | | | |
| 80 03 28 1530 | | | .3 | 1 | 0.250 | 0.096 | | | | 4.690 | | | | |
| 80 03 29 1100 | | | .3 | 1 | 0.225 | | | | | | | | | |
| 80 03 31 0100 | | | .3 | 1 | 0.193 | | | | | | | | | |
| 80 04 01 1200 | | | .3 | 1 | 0.190 | | | | | | | | | |
| 80 04 02 0930 | | | .3 | 1 | 0.183 | | | | | | | | | |
| 80 04 03 0940 | | | .3 | 1 | 0.225 | | | | | | | | | |
| 80 04 08 0920 | | | .3 | 1 | 0.130 | | | | | | | | | |
| 80 04 09 0830 | | | .3 | 1 | 0.123 | | | | | | | | | |
| 80 04 10 0930 | | | .3 | 1 | 0.140 | | | | | | | | | |
| 80 04 11 0830 | | | .3 | 1 | 0.255 | | | | | | | | | |
| 80 04 14 0840 | | | .3 | 1 | 0.128 | 0.042 | | | | 6.430 | | | | |
| 80 04 15 0850 | | | .3 | 1 | 1.250 | 0.092 | | | | 6.180 | | | | |
| 80 04 16 0855 | | | .3 | 1 | 0.925 | 0.140 | | | | 5.680 | | | | |
| 1505 | | | .3 | 1 | 0.920 | 0.078 | | | | 4.940 | | | | |
| 80 04 17 0910 | | | .3 | 1 | 0.750 | 0.068 | | | | 4.890 | | | | |
| 1540 | | | .3 | 1 | 0.585 | 0.075 | | | | 5.630 | | | | |
| 80 04 18 0920 | | | .3 | 1 | 0.320 | 0.070 | | | | 5.660 | | | | |
| 80 04 21 0900 | | | .3 | 1 | 0.148 | 0.046 | | | | 5.680 | | | | |
| 80 04 22 0850 | | | .3 | 1 | 0.140 | 0.050 | | | | 5.680 | | | | |
| 80 04 23 0900 | | | .3 | 1 | 0.130 | 0.047 | | | | 5.430 | | | | |
| 80 04 24 0850 | | | .3 | 1 | 0.092 | 0.041 | | | | 5.920 | | | | |
| 80 04 25 0850 | | | .3 | 1 | 0.080 | 0.038 | | | | 5.670 | | | | |
| 80 04 28 0945 | | | .3 | 1 | 0.010 | 0.009 | 0.075 | 1.040 | 0.062 | 4.940 | 5.077 | 0.965 | 6.042 | 400.0 |
| 80 05 02 0645 | | | .3 | 1 | 0.098 | | | | | | | | | |
| 80 05 09 1500 | | | .3 | 1 | 0.103 | | | | | | | | | |
| 80 05 14 1300 | | | .3 | 1 | 0.092 | 0.027 | | | | 3.750 | | | | |
| 80 05 22 0840 | | | .3 | 1 | 0.108 | 0.033 | | | | 3.420 | | | | |
| 80 05 26 0845 | | | .3 | 1 | 0.104 | 0.019 | 0.070 | 0.840 | 0.038 | 3.600 | 3.708 | 0.770 | 4.478 | 428.0 |
| 80 05 28 0850 | | | .3 | 1 | 0.085 | 0.013 | | | | 3.560 | | | | |
| 80 06 04 0830 | | | .3 | 1 | 0.092 | 0.013 | | | | 3.380 | | | | |
| 80 06 12 0840 | | | .3 | 1 | 0.148 | 0.053 | | | | 7.600 | | | | |
| 80 06 18 1340 | | | .3 | 1 | 0.120 | 0.035 | | | | 4.910 | | | | |
| 80 06 23 0845 | | | .3 | 1 | 0.076 | 0.011 | 0.160 | 0.900 | 0.141 | 4.300 | 4.601 | 0.740 | 5.341 | 438.0 |
| 80 06 25 0830 | | | .3 | 1 | 0.102 | 0.018 | | | | 3.150 | | | | |
| 80 07 01 0850 | | | .3 | 1 | 0.135 | | | | | | | | | |
| 80 07 08 0820 | | | .3 | 1 | 0.098 | 0.021 | | | | 2.750 | | | | |
| 80 07 16 0830 | | | .3 | 1 | 0.170 | 0.039 | | | | 4.120 | | | | |
| 80 07 24 0850 | | | .3 | 1 | 0.128 | 0.063 | | | | 2.660 | | | | |
| 80 07 28 0930 | | | .3 | 1 | 0.112 | 0.029 | 0.305 | 1.160 | 0.058 | 1.900 | 2.263 | 0.855 | 3.118 | 466.1 |
| 80 07 30 1400 | | | .3 | 1 | 0.445 | 0.104 | | | | 9.070 | | | | |
| 80 08 08 1600 | | | .3 | 1 | 0.180 | 0.062 | | | | 5.600 | | | | |
| 80 08 13 1200 | | | .3 | 1 | 0.120 | 0.015 | | | | 3.600 | | | | |
| 80 08 21 0850 | | | .3 | 1 | 0.115 | 0.030 | | | | 1.610 | | | | |
| 80 08 25 0930 | | | .3 | 1 | 0.050 | 0.004 | 0.070 | 0.92 | 0.040 | 1.72 | 1.830 | 0.850 | 2.680 | 370.4 |
| 80 08 28 0850 | | | .3 | 1 | 0.062 | 0.017 | | | | 1.570 | | | | |
| 80 09 02 1000 | | | .3 | 1 | 0.152 | 0.057 | | | | 2.600 | | | | |
| 80 09 04 0730 | | | .3 | 1 | 0.170 | 0.058 | | | | 2.210 | | | | |
| 80 09 07 1130 | | | .3 | 1 | 0.098 | 0.030 | | | | 2.880 | | | | |
| 80 09 11 1700 | | | .3 | 1 | 0.150 | 0.025 | | | | 2.220 | | | | |

(CONTD)

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **THAMES RIVER**
SAMPLE POINT: **AT BRIDGE COUNTY RD 34 PRAIRIE SIDING**
STATION TYPE: **RIVER COMPOSITE**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-007-82**
STORET CODE: **02**
**003**
**2870**

LAT:
LONG:
U T M: **17 0391175.0 4689600.0 4**
REGION: **01**
DISTANCE: **14.484**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PPUT PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR PO4 FIL.REAC MG/L AS P | NNHTFR NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR NO2-N FIL.REAC MG/L AS N | NNO3FR NO3-N FIL.REAC MG/L AS N | NNTIFR ORG N TOTAL FIL.REAC MG/L | NNKUR KJELDAHL ORGANIC UNF.REAC MG/L | NNKI TOTAL N MG/L AS N | RST RESIDUE TOTAL MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 09 16 1450 | | | .3 | 1 | 0.170 | 0.040 | | | | 3.110 | | | | |
| 1500 | | | .3 | 1 | 0.092 | 0.027 | | | | 2.990 | | | | |
| 80 09 22 0930 | | | .3 | 1 | 0.116 | 0.037 | 0.100 | 1.02 | 0.061 | 2.4 | 2.561 | 0.920 | 3.481 | 461.8 |
| 80 09 24 1100 | | | .3 | 1 | 0.210 | 0.069 | | | | 3.770 | | | | |
| 80 10 24 0830 | | | .3 | 1 | 0.008 | 0.054 | | | | 4.350 | | | | |
| 80 10 27 0900 | | | .3 | 1 | 0.122 | 0.069 | 0.060 | 1.04 | 0.022 | 4.5 | 4.582 | 0.980 | 5.562 | 444.8 |
| 80 10 30 0830 | | | .3 | 1 | 0.090 | 0.039 | | | | 4.000 | | | | |
| 80 11 06 1450 | | | .3 | 1 | 0.095 | 0.044 | | | | 4.070 | | | | |
| 80 11 14 1400 | | | .3 | 1 | 0.102 | 0.049 | | | | 0.412 | | | | |
| 80 11 20 1400 | | | .3 | 1 | 0.158 | | | | | | | | | |
| 80 11 24 0930 | | | .3 | 1 | 0.076 | 0.004 | 0.025 | 1.040 | 0.043 | 3.700 | 3.768 | 1.015 | 4.783 | 523.7 |
| 80 11 27 1450 | | | .3 | 1 | 0.108 | 0.042 | | | | 4.260 | | | | |
| 80 12 04 1230 | | | .3 | 1 | 0.118 | 0.046 | | | | 4.390 | | | | |
| 80 12 11 1420 | | | .3 | 1 | 0.320 | 0.069 | | | | 6.800 | | | | |
| 80 12 17 1340 | | | .3 | 1 | 0.085 | 0.062 | | | | 9.690 | | | | |
| 80 12 23 1230 | | | .3 | 1 | 0.092 | | | | | | | | | |
| 80 12 31 1030 | | | .3 | 1 | 0.087 | 0.043 | | | | 8.100 | | | | |
| MAXIMUM | | | | | 1.306 | 0.145 | 0.440 | 5.450 | 0.141 | 9.690 | 7.111 | 5.010 | 8.412 | 860.0 |
| ARITH MEAN | | | | | 0.233 | 0.057 | 0.166 | 1.37 | 0.060 | 4.4 | 4.020 | 1.209 | 5.229 | 478.8 |
| GEOM MEAN | | | | | 0.168 | 0.044 | 0.120 | 1.12 | 0.054 | 4.0 | 3.746 | 0.962 | 4.941 | 466.5 |
| MINIMUM | | | | | 0.008 | 0.004 | 0.025 | 0.820 | 0.022 | 0.412 | 1.830 | 0.580 | 2.680 | 370.4 |
| STD DEV | | | | | 0.256 | 0.039 | 0.131 | 1.35 | 0.031 | 1.8 | 1.535 | 1.269 | 1.795 | 132.3 |
| NO OF SAMPLES | | | | | 80 | 65 | 11 | 11 | 11 | 65 | 11 | 11 | 11 | 11 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTHS | PJ | RSP RESIDUE PARTIC. MG/L | RSF RESIDUE FILTERED MG/L | COND25 CONDUCT. 25C UMHO/CM AT 25 C | TURB TURB'ITY FTU | CLIDUR CHLORIDE UNF.REAC MG/L AS CL | PH PH | ASUT ARSENIC UNF.TOT. MG/L AS AS | HGUT MERCURY UNF.TOT. AS HG | CRUT CHROMIUM UNF.TOT. MG/L AS CR | CUUT COPPER UNF.TOT. MG/L AS CU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 03 1500 | | | .3 | 1 | 19.0 | | 590.0 | | | | | 0.020< | | 0.010 |
| 80 01 10 1400 | | | .3 | 1 | 112.0 | | 700.0 | | | | | 0.020< | | 0.010< |
| 80 01 17 1200 | | | .3 | 1 | 108.0 | | 465.0 | | | | | 0.020< | | |
| 80 01 22 1100 | | | .3 | 1 | 36.0 | | 545.0 | | | | | 0.020< | | 0.010< |
| 80 01 28 1000 | | | .3 | 1 | 10.0 | 438.0 | 670.0 | 11.00 | 31.500 | 8.00 | | | | |
| 80 02 25 1030 | | | .3 | 1 | 11.5 | 412.5 | 700.0 | 15.00 | 47.500 | 7.80 | | | | |
| 80 03 19 0900 | | | .3 | 1 | 793.0 | | 425.0 | | | | | | | 0.040 |
| 80 03 23 1800 | | | .3 | 1 | 663.0 | | 305.0 | | | | | 0.050 | | 0.060 |
| 80 03 24 0930 | | | .3 | 1 | 558.0 | | 295.0 | 420.00 | 14.000 | 7.73 | | | | |
| 80 03 25 1430 | | | .3 | 1 | 336.0 | | 310.0 | | | | 0.003 | 0.020 | 0.020< | 0.010 |
| 80 03 26 0700 | | | .3 | 1 | 238.0 | | 330.0 | | | | | 0.020< | | 0.010< |
| 1430 | | | .3 | 1 | 202.0 | | 345.0 | | | | | 0.020< | | 0.010< |
| 80 03 27 0830 | | | .3 | 1 | 158.0 | | 380.0 | | | | | 0.020< | | 0.010< |
| 1400 | | | .3 | 1 | 148.0 | | 400.0 | | | | | 0.020< | | 0.010< |
| 80 03 28 1530 | | | .3 | 1 | 87.0 | | 435.0 | | | | | 0.030 | | |
| 80 03 29 1100 | | | .3 | 1 | 92.0 | | 460.0 | | | | | 0.020< | | |
| 80 03 31 0100 | | | .3 | 1 | 95.0 | | 520.0 | | | | | 0.020< | | |
| 80 04 01 1200 | | | .3 | 1 | 121.0 | | 520.0 | | | | | | | |
| 80 04 02 0930 | | | .3 | 1 | 82.0 | | 520.0 | | | | | 0.020< | | |
| 80 04 03 0940 | | | .3 | 1 | 121.0 | | 520.0 | | | | | 0.020< | | |
| 80 04 08 0920 | | | .3 | 1 | 52.0 | | 540.0 | | | | | 0.020< | | |
| 80 04 09 0830 | | | .3 | 1 | 20.0 | | 550.0 | | | | | 0.020< | | |
| 80 04 10 0930 | | | .3 | 1 | 42.0 | | 580.0 | | | | | 0.020< | | |
| 80 04 11 0830 | | | .3 | 1 | 131.0 | | 570.0 | | | | | 0.020< | | |
| 80 04 14 0840 | | | .3 | 1 | 51.0 | | 580.0 | | | | | 0.020< | | 0.010< |
| 80 04 15 0850 | | | .3 | 1 | 575.0 | | 540.0 | | | | | 0.040 | | 0.030 |
| 80 04 16 0855 | | | .3 | 1 | 736.0 | | 475.0 | | | | | 0.060 | | 0.030 |
| 1505 | | | .3 | 1 | 671.0 | | 455.0 | | | | | 0.060 | | 0.030 |
| 80 04 17 0910 | | | .3 | 1 | 452.0 | | 470.0 | | | | | 0.060 | | 0.020 |
| 1540 | | | .3 | 1 | 366.0 | | 470.0 | | | | | 0.050 | | 0.030 |
| 80 04 18 0920 | | | .3 | 1 | 184.0 | | 475.0 | | | | | 0.030 | | 0.020 |
| 80 04 21 0900 | | | .3 | 1 | 54.0 | | 530.0 | | | | | 0.020< | | 0.010< |
| 80 04 22 0850 | | | .3 | 1 | 46.0 | | 550.0 | | | | | 0.050 | | 0.020 |
| 80 04 23 0900 | | | .3 | 1 | 50.0 | | 560.0 | | | | | 0.020 | | 0.020 |
| 80 04 24 0850 | | | .3 | 1 | 49.0 | | 600.0 | | | | | 0.020< | | 0.010< |
| 80 04 25 0850 | | | .3 | 1 | 42.0 | | 550.0 | | | | | 0.020< | | 0.010< |
| 80 04 28 0945 | | | .3 | 1 | 43.0 | 357.0 | 595.0 | 28.00 | 27.000 | 8.16 | | | | |
| 80 05 02 0645 | | | .3 | 1 | 44.0 | | 600.0 | | | | | | | |
| 80 05 09 1500 | | | .3 | 1 | 34.0 | | 600.0 | | | | | 0.030< | | |
| 80 05 14 1300 | | | .3 | 1 | | | 600.0 | | 57.000 | 8.56 | | 0.050 | | 0.010< |
| 80 05 22 0840 | | | .3 | 1 | 32.0 | | 500.0 | | | | | 0.040< | | 0.010< |
| 80 05 26 0845 | | | .3 | 1 | 35.0 | 393.0 | 560.0 | 31.00 | 28.500 | 8.18 | | | | |
| 80 05 28 0850 | | | .3 | 1 | 32.0 | | 600.0 | | | | | | | |
| 80 06 04 0830 | | | .3 | 1 | 30.0 | | 600.0 | | | | | 0.130 | | 0.010< |
| 80 06 12 0840 | | | .3 | 1 | 51.0 | | 550.0 | | | | | 0.070 | | 0.010< |
| 80 06 18 1340 | | | .3 | 1 | 24.0 | | 600.0 | | | | | 0.020< | | 0.010< |
| 80 06 23 0845 | | | .3 | 1 | 20.0 | 418.0 | 630.0 | 14.00 | 37.500 | 8.28 | | | | |
| 80 06 25 0830 | | | .3 | 1 | 10.0 | | 600.0 | | | | | 0.040< | | 0.010< |
| 80 07 01 0850 | | | .3 | 1 | 11.0 | | | | | | | 0.020 | | |
| 80 07 08 0820 | | | .3 | 1 | 15.0 | | 500.0 | | | | | 0.030< | | 0.010< |
| 80 07 16 0830 | | | .3 | 1 | 22.0 | | 470.0 | | | | | 0.040 | | 0.010< |
| 80 07 24 0850 | | | .3 | 1 | 18.0 | | 500.0 | | | | | | | 0.010< |
| 80 07 28 0930 | | | .3 | 1 | 27.1 | 439.0 | 510.0 | 18.00 | 36.000 | 7.84 | | | | |
| 80 07 30 1400 | | | .3 | 1 | 207.0 | | 465.0 | | | | | | | |
| 80 08 08 1600 | | | .3 | 1 | 55.0 | | 600.0 | | | | | 0.040 | | 0.003 |
| 80 08 13 1200 | | | .3 | 1 | 41.0 | | 650.0 | | | | | 0.040< | | |
| 80 08 21 0850 | | | .3 | 1 | 16.0 | | 550.0 | | | | | 0.020< | | 0.004 |
| 80 08 25 0930 | | | .3 | 1 | 13.4 | 357.0 | 570 | 11 | 42.5 | 8.34 | | | | |
| 80 08 28 0850 | | | .3 | 1 | 22.0 | | 500.0 | | | | | 0.040< | | 0.001< |
| 80 09 02 1000 | | | .3 | 1 | 59.0 | | 580.0 | | | | | 0.040< | | 0.005 |
| 80 09 04 0730 | | | .3 | 1 | 19.0 | | 560.0 | | | | | 0.040< | | 0.005 |
| 80 09 07 1130 | | | .3 | 1 | 45.0 | | 660.0 | | | | | 0.020< | | 0.003 |
| 80 09 11 1700 | | | .3 | 1 | 64.0 | | 570.0 | | | | | 0.040< | | 0.005 |
| 80 09 16 1450 | | | .3 | 1 | 92.0 | | 590.0 | | | | | 0.030< | | 0.006 |
| 1500 | | | .3 | 1 | 33.0 | | 630.0 | | | | | 0.040< | | 0.006 |
| 80 09 22 0930 | | | .3 | 1 | 31.8 | 430.5 | 640 | 36 | 45.5 | 8.05 | | | | |
| 80 09 24 1100 | | | .3 | 1 | 88.0 | | 580.0 | | | | | 0.030< | | 0.008 |
| 80 10 24 0830 | | | .3 | 1 | 48.0 | | 630.0 | | | | | | | |
| 80 10 27 0900 | | | .3 | 1 | 20.4 | 424.4 | 645 | 20 | 37.0 | 8.12 | | | | |
| 80 10 30 0830 | | | .3 | 1 | 20.0 | | 580.0 | | | | | 0.040< | | 0.004 |

(CONTD)

| | TEST-NAME: | | RSP | RSF | COND25 | TURB | CLIDUR | PH | ASUT | HGUT | CRUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 11 06 1450 | .3 | 1 | 72.0 | | 680.0 | | | | | 0.190 | | 0.005 |
| 80 11 14 1400 | .3 | 1 | 20.0 | | 690.0 | | | | | 0.170 | | 0.005 |
| 80 11 20 1400 | .3 | 1 | 10.0 | | 680.0 | | | | | 0.040< | | 0.003 |
| 80 11 24 0930 | .3 | 1 | 14.8 | 508.9 | 665.0 | 7.10 | 41.000 | 8.27 | | | | |
| 80 11 27 1450 | .3 | 1 | 20.0 | | 680.0 | | | | | | | 0.003 |
| 80 12 04 1230 | .3 | 1 | 29.0 | | 720.0 | | | | | 0.040< | | 0.005 |
| 80 12 11 1420 | .3 | 1 | 186.0 | | 640.0 | | | | | 0.040< | | 0.013 |
| 80 12 17 1340 | .3 | 1 | 13.0 | | 710.0 | | | | | | | 0.005 |
| 80 12 23 1230 | .3 | 1 | 7.0 | | | | | | | 0.040< | | 0.001< |
| 80 12 31 1030 | .3 | 1 | 6.0 | | | | | | | 0.070 | | 0.001< |
| MAXIMUM | | | 793.0 | 508.9 | 720.0 | 420.00 | 67.000 | 8.60 | 0.003 | 0.190 | 0.020 | 0.080 |
| ARITH MEAN | | | 116.6 | 417.8 | 650 | 56 | 37.0 | 8.11 | 0.003 | 0.038L | 0.020L | 0.012L |
| GEOM MEAN | | | 63.3 | 415.8 | 641 | 22 | 35.2 | 8.11 | | 0.033L | | 0.008L |
| MINIMUM | | | 6.0 | 357.0 | 295.0 | 7.10 | 14.000 | 7.73 | 0.003 | 0.020< | 0.020< | 0.001< |
| STD DEV | | | 179.7 | 44.0 | 97 | 121 | 11.1 | 0.24 | | 0.032L | | 0.011L |
| NO OF SAMPLES | | | 79 | 10 | 77 | 11 | 12 | 12 | 1 | 80 | 1 | 61 |

| | | | TEST-NAME: | | PBUT | CDUT | ZNUT | NIUT | COUT | P1PCBT |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | PCB TOTAL UG/L |
| 80 01 03 1500 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 01 10 1400 | | | .3 | 1 | 0.030< | | | | | 0.020 |
| 80 01 17 1200 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.070 |
| 80 01 22 1100 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 03 19 0900 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 03 23 1800 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.060 |
| 80 03 25 1430 | | | .3 | 1 | 0.030< | 0.005 < | 0.040 | 0.020< | 0.020< | 0.020R |
| 80 03 26 0700 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 1430 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 03 27 0830 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 1400 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 03 28 1530 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 03 29 1100 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 03 31 0100 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 04 01 1200 | | | .3 | 1 | | | | | | 0.020R |
| 80 04 02 0930 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 04 03 0940 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 04 08 0920 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 04 09 0830 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 04 10 0930 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 04 11 0830 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 04 14 0840 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 04 15 0850 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 04 16 0855 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 1505 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 04 17 0910 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 1540 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 04 18 0920 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 04 21 0900 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 04 22 0850 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 04 23 0900 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 04 24 0850 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 04 25 0850 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 05 02 0645 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 05 09 1500 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 05 14 1300 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 05 22 0840 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 05 28 0850 | | | .3 | 1 | | | | | | 0.020R |
| 80 06 04 0830 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 06 12 0840 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 06 18 1340 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 06 25 0830 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 07 01 0850 | | | .3 | 1 | 0.030< | 0.006 | | | | 0.020R |
| 80 07 08 0820 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 07 16 0830 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 07 24 0850 | | | .3 | 1 | 0.030< | 0.005 < | | | | 0.020R |
| 80 07 30 1400 | | | .3 | 1 | | | | | | 0.020R |
| 80 08 08 1600 | | | .3 | 1 | 0.005 | 0.0001< | | | | 0.020R |
| 80 08 13 1200 | | | .3 | 1 | 0.003< | 0.0002< | | | | 0.020R |
| 80 08 21 0850 | | | .3 | 1 | 0.003< | 0.0002< | | | | 0.020R |
| 80 08 28 0850 | | | .3 | 1 | 0.003< | 0.0002< | | | | 0.020R |
| 80 09 02 1000 | | | .3 | 1 | 0.003< | 0.0002< | | | | |
| 80 09 04 0730 | | | .3 | 1 | 0.003< | 0.0002< | | | | 0.020R |
| 80 09 07 1130 | | | .3 | 1 | 0.003< | 0.0002< | | | | |
| 80 09 11 1700 | | | .3 | 1 | 0.003< | 0.0002< | | | | 0.020R |
| 80 09 16 1450 | | | .3 | 1 | 0.003< | 0.0002< | | | | 0.020R |
| 1500 | | | .3 | 1 | 0.003 | 0.0002< | | | | |
| 80 09 24 1100 | | | .3 | 1 | 0.003< | 0.0002< | | | | |
| 80 10 30 0830 | | | .3 | 1 | 0.003< | 0.0002< | | | | |
| 80 11 06 1450 | | | .3 | 1 | 0.003< | 0.0002< | | | | |
| 80 11 14 1400 | | | .3 | 1 | 0.003< | 0.0002< | | | | |
| 80 11 20 1400 | | | .3 | 1 | 0.003< | 0.0002< | | | | |
| 80 11 27 1450 | | | .3 | 1 | 0.003< | 0.0002< | | | | |
| 80 12 04 1230 | | | .3 | 1 | 0.003< | 0.0002< | | | | |
| 80 12 11 1420 | | | .3 | 1 | 0.006 | 0.0002< | | | | |
| 80 12 17 1340 | | | .3 | 1 | 0.003< | 0.0002< | | | | |
| 80 12 23 1230 | | | .3 | 1 | 0.003< | 0.0003 | | | | |
| 80 12 31 1030 | | | .3 | 1 | 0.003< | 0.0003 | | | | |
| MAXIMUM | | | | | 0.030 | 0.006 | 0.040 | 0.020 | 0.020 | |
| ARITH MEAN | | | | | 0.021L | 0.003 L | 0.040 | 0.020L | 0.020L | |
| GEOM MEAN | | | | | 0.016L | 0.001 L | | | | |
| MINIMUM | | | | | 0.003< | 0.0001< | 0.040 | 0.020< | 0.020< | |
| STD DEV | | | | | 0.013L | 0.002 L | | | | |
| NO OF SAMPLES | | | | | 65 | 64 | 1 | 1 | 1 | |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **NORTH THAMES RIVER**
SAMPLE POINT: **AT PARK STREET BRIDGE, ST MARYS**
STATION TYPE: **RIVER FLOW GAUGE FED 02GD005**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-015-02**
STORET CODE: **02**
**003**
**2070**

LAT: LONG: U T M: **17 0488200.0 4788950.0 4** REGION: **01** DISTANCE: **254.752**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 01 21 1105 | | | .3 | 1 | 33004 | 6 | 8.000 | 1240C | 3100 | 252 | 412 | 4< | 0.0 | 13.5 |
| 80 02 18 1105 | | | .3 | 1 | 33025 | 6 | 1.700 | 450 | 1720 | 40 | 32 | 4< | 0.0 | 7.5 |
| 80 03 17 1330 | | | .3 | 1 | 33045 | 6 3 | 10.000 | 1500 | 6900 | 352 | 286 | 4< | 0.0 | 15.0 |
| 80 04 21 1100 | | | .3 | 1 | 33065 | 6 | 15.000 | 40I | 2700 | 10< | 10< | 4< | 10.0 | 10.0 |
| 80 05 14 1030 | | | .3 | 1 | 33087 | 6 | 11.200 | 4000 | 11000 | 600> | 440 | 4< | 11.5 | 8.0 |
| 80 06 16 1050 | | | .3 | 1 | 33109 | 6 | 4.110 | 1900 | 17000 | 210 | 10< | 4< | 15.0 | 8.0 |
| 80 07 21 1055 | | | .3 | 1 | 33131 | 6 8 | 2.430 | 30000> | 240000> | 600> | 600> | 32 | 25.0 | 8.0 |
| 80 08 18 1020 | | | .3 | 1 | 33153 | 9 | 2.880 | 700C | | 190 | 80I | 8 | 21.0 | 8.0 |
| 80 09 15 1100 | | | .3 | 1 | 33175 | 5 | 2.810 | 3100C | 45000 | 940 | 156 | 20 | 16.0 | 9.5 |
| 80 10 20 1050 | | | .3 | 1 | 33198 | 6 | 6.700 | 1200 | 9600 | 340 | 284 | 8 | 8.0 | 9.5 |
| 80 11 17 1054 | | | .3 | 1 | 33220 | 6 | 4.750 | 110 | 360 | 60I | 50I | 4< | 1.0 | 14.0 |
| 80 12 15 1100 | | | 3 | 1 | 33242 | 6 | 5.960 | 410 | 1930 | 44 | 336 | 4< | 0.0 | 11.5 |
| MAXIMUM | | | | | | | 16.000 | 30000> | 240000> | 940> | 600> | 32 | 25.0 | 15.0 |
| ARITH MEAN | | | | | | | 6.296 | 3721G | 30846G | 303B | 225B | 8L | 9.0 | 10.2 |
| GEOM MEAN | | | | | | | 5.153 | 991G | 6756G | 166B | 116B | 6L | 4.7 | 9.9 |
| MINIMUM | | | | | | | 1.700 | 40 | 360 | 10< | 10< | 4< | 0.0 | 7.5 |
| STD DEV | | | | | | | 4.087 | 8362G | 70521G | 285B | 197B | 9L | 9.0 | 2.7 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 11 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 01 21 1105 | | | .3 | 1 | 1.1 | 0.068 | 0.050 | 0.205 | 0.640 | 0.033 | 5.870 | 6.108 | 0.435 | 6.543 |
| 80 02 18 1105 | | | .3 | 1 | 0.3 | 0.082 | 0.062 | 0.910 | 1.350 | 0.023 | 4.930 | 5.863 | 0.440 | 6.303 |
| 80 03 17 1330 | | | .3 | 1 | 2.4 | 0.109 | 0.057 | 0.545 | 1.210 | 0.030 | 4.420 | 4.995 | 0.665 | 5.660 |
| 80 04 21 1100 | | | .3 | 1 | 1.4 | 0.032 | 0.007 | 0.020 | 0.580 | 0.023 | 5.430 | 5.473 | 0.560 | 6.033 |
| 80 05 14 1030 | | | .3 | 1 | 1.9 | 0.850 | 0.003 | 0.045 | | 0.049 | 3.100 | 3.194 | | |
| 80 06 16 1050 | | | .3 | 1 | 1.9 | 0.060 | 0.004 | 0.020 | 0.760 | 0.040 | 2.400 | 2.460 | 0.740 | 3.200 |
| 80 07 21 1055 | | | .3 | 1 | 2.2 | 0.072 | 0.002 | 0.005 | 0.890 | 0.036 | 0.970 | 1.011 | 0.885 | 1.896 |
| 80 08 18 1020 | | | .3 | 1 | 3.8 | 0.111 | 0.003 | 0.025 | 0.960 | 0.024 | 0.770 | 0.819 | 0.935 | 1.754 |
| 80 09 15 1100 | | | .3 | 1 | 1.4 | 0.098 | 0.004 | 0.025 | 1.00 | 0.018 | 0.91 | 0.953 | 0.975 | 1.928 |
| 80 10 20 1050 | | | .3 | 1 | 1.1 | 0.044 | 0.005 | 0.005 | 0.73 | 0.039 | 6.9 | 6.944 | 0.725 | 7.669 |
| 80 11 17 1054 | | | .3 | 1 | 1.5 | 0.072 | 0.043 | 0.165 | 0.79 | 0.030 | 5.6 | 5.795 | 0.625 | 6.420 |
| 80 12 15 1100 | | | .3 | 1 | 0.8 | 0.046 | 0.027 | 0.055 | 0.640 | 0.028 | 11.200 | 11.283 | 0.585 | 11.868 |
| MAXIMUM | | | | | 3.8 | 0.850 | 0.062 | 0.910 | 1.350 | 0.049 | 11.200 | 11.283 | 0.975 | 11.868 |
| ARITH MEAN | | | | | 1.6 | 0.137 | 0.022 | 0.169 | 0.86 | 0.031 | 4.3 | 4.576 | 0.688 | 5.389 |
| GEOM MEAN | | | | | 1.4 | 0.083 | 0.011 | 0.050 | 0.83 | 0.030 | 3.2 | 3.441 | 0.666 | 4.540 |
| MINIMUM | | | | | 0.3 | 0.032 | 0.002 | 0.005 | 0.580 | 0.018 | 0.770 | 0.819 | 0.435 | 1.754 |
| STD DEV | | | | | 0.9 | 0.226 | 0.024 | 0.280 | 0.24 | 0.009 | 3.0 | 3.066 | 0.186 | 3.061 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 11 | 12 | 12 | 12 | 11 | 11 |

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 21 1105 | | | .3 | 1 | 400.0 | 1.5 | 398.5 | 600.0 | 3.50 | 20.000 | 8.21 |
| 80 02 18 1105 | | | .3 | 1 | 450.0 | | | 760.0 | 2.30 | 40.000 | 8.00 |
| 80 03 17 1330 | | | .3 | 1 | 534.0 | 11.0 | 523.0 | 885.0 | 7.10 | 83.500 | 8.00 |
| 80 04 21 1100 | | | .3 | 1 | 330.0 | 4.5 | 325.5 | 545.0 | 4.20 | 17.000 | 8.32 |
| 80 05 14 1030 | | | .3 | 1 | 384.0 | 2.0 | 382.0 | 585.0 | 3.20 | 29.000 | 8.15 |
| 80 06 16 1050 | | | .3 | 1 | 356.0 | 18.0 | 338.0 | 570.0 | 10.00 | 29.000 | 8.31 |
| 80 07 21 1055 | | | .3 | 1 | 375.0 | 19.5 | 355.5 | 497.0 | 3.70 | 29.000 | 8.39 |
| 80 08 18 1020 | | | .3 | 1 | 395.2 | 38.3 | 356.9 | 482.0 | 21.00 | 25.500 | 8.22 |
| 80 09 15 1100 | | | .3 | 1 | 451.6 | 30.0 | 421.6 | 615 | 17 | 52.5 | 8.24 |
| 80 10 20 1050 | | | .3 | 1 | 438.7 | 9.4 | 429.3 | 670 | 5.5 | 34.5 | 8.24 |
| 80 11 17 1054 | | | .3 | 1 | 474.3 | 4.5 | 469.8 | 710 | 2.6 | 39.0 | 8.35 |
| 80 12 15 1100 | | | .3 | 1 | 448.0 | 19.6 | 428.4 | 705.0 | 4.00 | 25.500 | 8.08 |
| MAXIMUM | | | | | 534.0 | 38.3 | 523.0 | 885.0 | 21.00 | 83.500 | 8.39 |
| ARITH MEAN | | | | | 419.7 | 14.4 | 402.6 | 635 | 7 | 35.3 | 8.21 |
| GEOM MEAN | | | | | 416.2 | 9.4 | 398.7 | 626 | 5 | 32.2 | 8.21 |
| MINIMUM | | | | | 330.0 | 1.5 | 325.5 | 482.0 | 2.30 | 17.000 | 8.00 |
| STD DEV | | | | | 56.8 | 12.0 | 59.7 | 116 | 6 | 17.9 | 0.13 |
| NO OF SAMPLES | | | | | 12 | 11 | 11 | 12 | 12 | 12 | 12 |

B.O.W./ SITE: **THAMES RIVER**
SAMPLE POINT: **AT DUNDAS STREET WOODSTOCK**
STATION TYPE: **RIVER FLOW GAUGE FED 02GD012**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-016-02**
STORET CODE: **02**
**003**
**2070**

LAT: LONG: U T M: **17 0517950.0 4774700.0 4** REGION: **01** DISTANCE: **258.132**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 01 23 1620 | | | .3 | 1 | 33020 | 6 | 1.450 | 120000 | 80000 | 10000I | 600I | 10I | 0.0 | 11.0 |
| 80 02 19 1420 | | | .3 | 1 | 33041 | 6 | 0.640 | 9700C | 24000 | 800I | 480 | 12 | 0.0 | 11.5 |
| 80 03 19 1340 | | | .3 | 1 | 33059 | 6 3 | 21.600 | 17000 | 127000 | 1500 | 1500> | | 1.0 | 10.5 |
| 80 04 22 1405 | | | .3 | 1 | 33081 | 6 | 4.430 | 53000 | 110000 | 7900 | 1440 | 56 | 10.0 | 9.5 |
| 80 05 20 1420 | | | .3 | 1 | 33103 | 9 6 | 1.920 | 2700 | 8200 | 380 | 20I | 4< | 16.5 | 8.5 |
| 80 06 18 1350 | | | .3 | 1 | 33125 | 6 | 1.480 | 1200 | 13600 | 50I | 30I | 4< | 18.5 | 9.5 |
| 80 07 23 1310 | | | .3 | 1 | 33147 | 5 8 | 0.529 | 2600C | 40000 | 296 | 88 | 140 | 23.0 | 6.0 |
| 80 08 20 1335 | | | .3 | 1 | 33169 | 6 | 2.220 | 18000 | 22000 | 272 | 128 | 4< | 24.0 | 7.5 |
| 80 09 17 1340 | | | .3 | 1 | 33191 | 6 8 | 1.480 | 5500C | 76000 | 144 | 224 | 168 | 17.0 | 8.0 |
| 80 10 22 1330 | | | .3 | 1 | 33214 | 6 8 | 1.220 | 11000 | 10000 | 900 | 220 | 4< | 8.0 | 10.0 |
| 80 11 19 1345 | | | .3 | 1 | 33236 | 6 8 | 0.685 | 900 | 1060 | 160 | 70I | 4< | 2.0 | 11.0 |
| 80 12 17 1340 | | | .3 | 1 | 33254 | 6 8 | 1.300 | 32700> | 41000 | 600> | 592 | 52 | 0.0 | 11.0 |
| MAXIMUM | | | | | | | 21.600 | 120000> | 127000 | 10000> | 1500> | 168 | 24.0 | 11.5 |
| ARITH MEAN | | | | | | | 3.246 | 22858G | 46072 | 1917G | 449G | 42L | 10.0 | 9.5 |
| GEOM MEAN | | | | | | | 1.672 | 9002G | 25799 | 591G | 213G | 15L | 5.3 | 9.3 |
| MINIMUM | | | | | | | 0.529 | 900 | 1060 | 50 | 20 | 4< | 0.0 | 6.0 |
| STD DEV | | | | | | | 5.871 | 34222G | 42242 | 3340G | 520G | 59L | 9.4 | 1.7 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 12 | 11 | 12 | 12 |

| TEST-NAME: | | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 01 23 1620 | | | .3 | 1 | 1.6 | 0.139 | 0.109 | 0.405 | 0.930 | 0.039 | 7.400 | 7.844 | 0.525 | 8.369 |
| 80 02 19 1420 | | | .3 | 1 | 1.6 | 0.245 | 0.164 | 0.520 | 1.020 | 0.058 | 6.040 | 6.618 | 0.500 | 7.118 |
| 80 03 19 1340 | | | .3 | 1 | 7.6 | 0.540 | 0.265 | 1.320 | 3.280 | 0.046 | 1.670 | 3.036 | 1.960 | 4.996 |
| 80 04 22 1405 | | | .3 | 1 | 4.8 | 0.184 | 0.068 | 0.355 | 0.880 | 0.076 | 6.700 | 7.131 | 0.525 | 7.656 |
| 80 05 20 1420 | | | .3 | 1 | 3.5 | 0.108 | 0.005 | 0.060 | 1.060 | 0.045 | 5.700 | 5.805 | 1.000 | 6.805 |
| 80 06 18 1350 | | | .3 | 1 | 3.3 | 0.171 | 0.012 | 0.035 | 1.230 | 0.075 | 4.500 | 4.610 | 1.195 | 5.805 |
| 80 07 23 1310 | | | .3 | 1 | 2.4 | 0.250 | 0.082 | 0.160 | 1.250 | 0.090 | 3.000 | 3.250 | 1.090 | 4.340 |
| 80 08 20 1335 | | | .3 | 1 | 3.3 | 0.164 | 0.011 | 0.170 | 1.41 | 0.067 | 1.18 | 1.417 | 1.240 | 2.657 |
| 80 09 17 1340 | | | .3 | 1 | 3.2 | 0.212 | 0.017 | 0.110 | 1.64 | 0.028 | 1.9 | 2.038 | 1.530 | 3.568 |
| 80 10 22 1330 | | | .3 | 1 | 5.2 | 0.234 | 0.010 | 0.235 | 1.60 | 0.043 | 4.5 | 4.778 | 1.365 | 6.143 |
| 80 11 19 1345 | | | .3 | 1 | 3.8 | 0.286 | 0.022 | 0.015 | 0.86 | 0.024 | 6.6 | 6.639 | 0.845 | 7.484 |
| 80 12 17 1340 | | | .3 | 1 | 1.8 | 0.148 | 0.058 | 0.250 | 0.880 | 0.040 | 10.600 | 10.890 | 0.630 | 11.520 |
| MAXIMUM | | | | | 7.6 | 0.540 | 0.265 | 1.320 | 3.280 | 0.090 | 10.600 | 10.890 | 1.960 | 11.520 |
| ARITH MEAN | | | | | 3.5 | 0.223 | 0.069 | 0.303 | 1.33 | 0.053 | 4.9 | 5.338 | 1.034 | 6.372 |
| GEOM MEAN | | | | | 3.2 | 0.205 | 0.035 | 0.169 | 1.23 | 0.049 | 4.1 | 4.632 | 0.941 | 5.948 |
| MINIMUM | | | | | 1.6 | 0.108 | 0.005 | 0.015 | 0.86 | 0.024 | 1.18 | 1.417 | 0.500 | 2.657 |
| STD DEV | | | | | 1.7 | 0.113 | 0.079 | 0.356 | 0.67 | 0.021 | 2.7 | 2.707 | 0.466 | 2.378 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 23 1620 | | | .3 | 1 | 484.0 | 7.5 | 476.5 | 780.0 | 5.60 | 53.000 | 7.96 |
| 80 02 19 1420 | | | .3 | 1 | 614.0 | 7.0 | 607.0 | 975.0 | 2.60 | 78.000 | 7.83 |
| 80 03 19 1340 | | | .3 | 1 | 196.0 | 66.0 | 141.000 | 217.0 | 46.00 | 15.500 | 7.31 |
| 80 04 22 1405 | | | .3 | 1 | 400.0 | 19.0 | 481.0 | 620.0 | 18.00 | 37.000 | 8.03 |
| 80 05 20 1420 | | | .3 | 1 | 454.0 | 6.0 | 448.0 | 650.0 | 3.20 | 46.000 | 8.13 |
| 80 06 18 1350 | | | .3 | 1 | 494.0 | 21.0 | 473.0 | 710.0 | 8.00 | 56.500 | 8.10 |
| 80 07 23 1310 | | | .3 | 1 | 519.0 | 20.8 | 498.2 | 670.0 | 7.60 | 55.500 | 7.92 |
| 80 08 20 1335 | | | .3 | 1 | 489.2 | 33.1 | 456.1 | 590 | 11 | 41.5 | 7.98 |
| 80 09 17 1340 | | | .3 | 1 | 448.6 | 34.4 | 414.2 | 620 | 14 | 52.0 | 7.90 |
| 80 10 22 1330 | | | .3 | 1 | 563.2 | 25.7 | 537.5 | 820 | 13 | 61.0 | 8.03 |
| 80 11 19 1345 | | | .3 | 1 | 631.9 | 14.3 | 617.6 | 925 | 5.3 | 75.5 | 8.08 |
| 80 12 17 1340 | | | .3 | 1 | 581.0 | 21.1 | 559.9 | 910.0 | 5.50 | 62.500 | 7.92 |
| MAXIMUM | | | | | 631.9 | 66.0 | 617.6 | 975.0 | 46.00 | 78.000 | 8.13 |
| ARITH MEAN | | | | | 489.6 | 23.0 | 475.8 | 707 | 11 | 52.8 | 7.93 |
| GEOM MEAN | | | | | 472.3 | 18.4 | 451.9 | 668 | 8 | 49.4 | 7.93 |
| MINIMUM | | | | | 196.0 | 6.0 | 141.000 | 217.0 | 2.60 | 15.500 | 7.31 |
| STD DEV | | | | | 115.8 | 16.5 | 122.7 | 202 | 11 | 16.9 | 0.22 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

B.O.W./SITE: **THAMES RIVER**
SAMPLE POINT: **AT FIRST ROAD SOUTH OF INNERKIP**
STATION TYPE: **RIVER FLOW GAUGE FED 02GD021**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ERIE**
TERM STREAM **THAMES RIVER**

STATION ID: **04-0013-018-02**
STORET CODE: **02**
**003**
**2070**

LAT. LONG. U T M: **17 0525175.0 4783200.0 4** REGION: **01** DISTANCE: **272.133**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 01 23 1550 | | | 3 | 1 | 33018 | 6 | 0 700 | 220 | 840 | 68 | 600> | 4< | 0.0 | 11 5 |
| 80 02 19 1355 | | | 3 | 1 | 33039 | 6 | 0.380 | 1100 | 23000 | 4< | 30I | 4< | 0.0 | 17 0 |
| 80 03 19 1315 | | | 3 | 1 | 33057 | 6 3 | 37.600 | 10200C | 125000 | 1500> | 1500> | | 1.0 | 10.0 |
| 80 04 22 1325 | | | .3 | 1 | 33079 | 6 | 1.350 | 170 | 2400 | 10I | 30I | 4< | 12.0 | 11.5 |
| 80 05 20 1335 | | | 3 | 1 | 33101 | 6 | 2.040 | 1000 | 12500 | 136 | 140 | 4< | 16.5 | 10.5 |
| 80 06 18 1315 | | | .3 | 1 | 33123 | 9 8 | 0.278 | 1900 | 20000 | 50I | 20I | 4< | 20.0 | 12.0 |
| 80 07 23 1225 | | | .3 | 1 | 33145 | 6 8 | 0.194 | 680C | 17000 | 268 | 156 | 4< | 22.0 | 8 5 |
| 80 08 20 1255 | | | .3 | 1 | 33167 | 6 8 | 0.038 | 13000 | 30000 | 304 | 64 | 4< | 23.5 | 10.5 |
| 80 09 17 1315 | | | .3 | 1 | 33189 | 5 | 0.160 | 4100C | 55000 | 240 | 440 | 4 | 15.0 | 9.0 |
| 80 10 22 1300 | | | 3 | 1 | 33212 | 6 8 | 0.507 | 250C | 3700 | 20I | 150 | 4< | 6.0 | 11.0 |
| 80 11 19 1320 | | | .3 | 1 | 33234 | 6 8 | 0.397 | 180 | 1700 | 8 | 12I | 4< | 2.0 | 15.0 |
| MAXIMUM | | | | | | | 37.600 | 13000 | 125000 | 1500> | 1500> | 4 | 23.5 | 17.0 |
| ARITH MEAN | | | | | | | 3.968 | 2982 | 26467 | 237B | 286G | 4L | 10.7 | 11.5 |
| GEOM MEAN | | | | | | | 0.563 | 1024 | 10891 | 65B | 106G | 4L | 6.0 | 11.3 |
| MINIMUM | | | | | | | 0.038 | 170 | 840 | 4< | 12 | 4< | 0.0 | 8.5 |
| STD DEV | | | | | | | 11.170 | 4465 | 36389 | 434B | 446G | 0L | 9.2 | 2.5 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 11 | 10 | 11 | 11 |

| TEST-NAME: | | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 01 23 1550 | | | .3 | 1 | 0.3 | 0.064 | 0.034 | 0 245 | 0.690 | 0.027 | 7.200 | 7.472 | 0.445 | 7.917 |
| 80 02 19 1355 | | | .3 | 1 | 0.9 | 0.059 | 0.029 | 0 090 | 0 490 | 0.021 | 3.930 | 4 041 | 0.400 | 4.441 |
| 80 03 19 1315 | | | .3 | 1 | 9.8 | 0.670 | 0.310 | 1.500 | 4 050 | 0.046 | 1.750 | 3.296 | 2.550 | 5.846 |
| 80 04 22 1325 | | | .3 | 1 | 2.1 | 0.054 | 0 021 | 0.640 | 0.760 | 0.091 | 4 900 | 5.631 | 0.120 | 5.751 |
| 80 05 20 1335 | | | .3 | 1 | 1.2 | 0.042 | 0.009 | 0.025 | 0.760 | 0.049 | 6.450 | 6.524 | 0.735 | 7.259 |
| 80 06 18 1315 | | | .3 | 1 | 0.5 | 0.038 | 0.005 | 0 005 | 0.750 | 0.027 | 1.900 | 1.932 | 0.745 | 2.677 |
| 80 07 23 1225 | | | .3 | 1 | 0.8 | 0.047 | 0.009 | 0 035 | 0.690 | 0.015 | 0.980 | 1.030 | 0.655 | 1.685 |
| 80 08 20 1255 | | | .3 | 1 | 1.5 | 0.042 | 0.006 | 0.020 | 0.69 | 0.015 | 1.22 | 1.255 | 0.670 | 1.925 |
| 80 09 17 1315 | | | .3 | 1 | 0.9 | 0 038 | 0.009 | 0 015 | 0.61 | 0.010 | 1.14 | 1.165 | 0.595 | 1.760 |
| 80 10 22 1300 | | | .3 | 1 | 1.7 | 0.030 | 0.013 | 0 005 | 0.58 | 0.046 | 6.8 | 6.851 | 0.575 | 7.426 |
| 80 11 19 1320 | | | .3 | 1 | 1.2 | 0.014 | 0.002 | 0.005 | 0.47 | 0.011 | 3.99 | 4.006 | 0.465 | 4.471 |
| MAXIMUM | | | | | 9.8 | 0.670 | 0.310 | 1.500 | 4.050 | 0.091 | 7.200 | 7.472 | 2.550 | 7.917 |
| ARITH MEAN | | | | | 1.9 | 0.100 | 0.041 | 0.236 | 0.95 | 0.033 | 3.6 | 3.928 | 0.723 | 4.661 |
| GEOM MEAN | | | | | 1.2 | 0.062 | 0.014 | 0.042 | 0.75 | 0.028 | 2.8 | 3.139 | 0.570 | 4.014 |
| MINIMUM | | | | | 0.3 | 0.014 | 0.002 | 0.005 | 0.47 | 0.010 | 0.980 | 1.030 | 0.120 | 1.685 |
| STD DEV | | | | | 2.7 | 0.190 | 0.090 | 0.461 | 1.03 | 0.024 | 2.4 | 2.415 | 0.632 | 2.374 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 23 1550 | | | .3 | 1 | 932.0 | 5.0 | 927.0 | 800.0 | 3.30 | 28.500 | 8.10 |
| 80 02 19 1355 | | | .3 | 1 | 702.0 | 8.0 | 694.0 | 970.0 | 2.60 | 38.000 | 7.99 |
| 80 03 19 1315 | | | .3 | 1 | 250.0 | 90.0 | 156.000 | 240.0 | 44.00 | 11.500 | 7.28 |
| 80 04 22 1325 | | | .3 | 1 | 476.0 | 8.0 | 468.0 | 755.0 | 3.70 | 38.500 | 8.25 |
| 80 05 20 1335 | | | .3 | 1 | 454 0 | 0.5 | 453.5 | 655.0 | 2.10 | 26.000 | 8.42 |
| 80 06 18 1315 | | | .3 | 1 | 550.0 | 2.0 | 548.0 | 635 0 | 2.30 | 34.500 | 8.52 |
| 80 07 23 1225 | | | .3 | 1 | 684.0 | 6 9 | 677.1 | 800.0 | 1 50 | 32.000 | 8.28 |
| 80 08 20 1255 | | | .3 | 1 | 748.6 | 7.2 | 741.4 | 870 | 2.1 | 46.5 | 8.21 |
| 80 09 17 1315 | | | .3 | 1 | 636.8 | 4.4 | 632.4 | 885 | 1.6 | 43.5 | 8.15 |
| 80 10 22 1300 | | | .3 | 1 | 667.2 | 2.7 | 664.5 | 895 | 1.0 | 42.5 | 8.19 |
| 80 11 19 1320 | | | .3 | 1 | 629.4 | 3 3 | 626.1 | 895 | 1.0 | 41.0 | 8.19 |
| MAXIMUM | | | | | 932.0 | 90.0 | 927.0 | 970.0 | 44.00 | 46.5 | 8.52 |
| ARITH MEAN | | | | | 611.8 | 12.5 | 598.9 | 783 | 5.9 | 34.7 | 8.14 |
| GEOM MEAN | | | | | 583.3 | 5.1 | 565.0 | 724 | 2.5 | 32.8 | 8.14 |
| MINIMUM | | | | | 250.0 | 0.5 | 156.000 | 240.0 | 1.0 | 11.500 | 7.28 |
| STD DEV | | | | | 177.9 | 25.8 | 198.5 | 202 | 12.6 | 10.0 | 0.32 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

B.O.W./ SITE: **AVON RIVER**
SAMPLE POINT: **AT LORNE AVE STRATFORD**
STATION TYPE: **RIVER FLOW GAUGE FED 02GD018**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-025-02**
STORET CODE: **02**
**003**
**2070**

LAT: LONG: U T M: **17 0498550.0 4801125.0 4** REGION: **01** DISTANCE: **278.570**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 01 21 1245 | | | .3 | 1 | 33007 | 6 | 1.080 | 10800 | 10400 | 600> | 576 | 4< | 0.0 | 13.0 |
| 80 02 18 1315 | | | .3 | 1 | 33028 | 6 | 0.350 | 6800 | 10100 | 680 | 430 | 16 | 0.0 | 11.0 |
| 80 03 17 1450 | | | .3 | 1 | 33047 | 6 3 | 7.000 | 182000> | 330000 | 1500> | 1500> | | 0.0 | 9.0 |
| 80 04 21 1220 | | | .3 | 1 | 33068 | 6 | 0.718 | 640C | 4200 | 110 | 10I | 4< | 12.0 | 10.0 |
| 80 05 14 1145 | | | .3 | 1 | 33090 | 6 | 2.550 | 3500 | 13000 | 440 | 400 | 12 | 12.0 | 9.5 |
| 80 06 16 1205 | | | .3 | 1 | 33112 | 8 | 1.390 | 1600C | 36000 | 70I | 160 | 4< | 17.0 | 8.5 |
| 80 07 21 1315 | | | .3 | 1 | 33134 | 8 6 | 0.608 | 660C | 24000> | 600> | 148 | 4< | 25.0 | 12.0 |
| 80 08 18 1140 | | | .3 | 1 | 33156 | 6 8 | 0.295 | 1600C | | 250 | 70I | 20 | 20.0 | 6.0 |
| 80 09 15 1220 | | | .3 | 1 | 33178 | 9 | 0.347 | 3500C | 43000 | 270 | 56 | 4 | 17.0 | 8.0 |
| 80 10 20 1155 | | | .3 | 1 | 33201 | 9 8 | 1.270 | 450 | 8700 | 80I | 164 | 4 | 10.0 | 9.5 |
| 80 11 17 1202 | | | .3 | 1 | 33223 | 8 | 0.618 | 1600 | 3500 | 200 | 50I | 8 | 0.0 | |
| 80 12 15 1320 | | | .3 | 1 | 33244 | 6 | 0.840 | 3500 | 13500 | 244 | 360 | 4< | 2 0 | 9.0 |
| **MAXIMUM** | | | | | | | **7.000** | **182000>** | **330000>** | **1500>** | **1500>** | **20** | **25.0** | **13.0** |
| **ARITH MEAN** | | | | | | | **1.422** | **18054G** | **46127G** | **420G** | **327G** | **8L** | **9.6** | **9.6** |
| **GEOM MEAN** | | | | | | | **0.898** | **2957G** | **16739G** | **288G** | **166G** | **6L** | **5.2** | **9.4** |
| **MINIMUM** | | | | | | | **0.295** | **450** | **3500** | **70** | **10** | **4<** | **0.0** | **6.0** |
| **STD DEV** | | | | | | | **1.865** | **51717G** | **95335G** | **400G** | **411G** | **6L** | **9.0** | **1.9** |
| **NO OF SAMPLES** | | | | | | | **12** | **12** | **11** | **12** | **12** | **11** | **12** | **11** |

| TEST-NAME: | | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 01 21 1245 | | | .3 | 1 | 2.4 | 0.240 | 0.177 | 1.720 | 2.500 | 0.102 | 4.800 | 6.622 | 0.780 | 7.402 |
| 80 02 18 1315 | | | .3 | 1 | 1.8 | 1.510 | 0.550 | 3.520 | | 0.115 | 6.130 | 9.765 | | |
| 80 03 17 1450 | | | .3 | 1 | 13.6 | 0.770 | 0.161 | 1.350 | 4.600 | 0.112 | 1.990 | 3.452 | 3.250 | 6.702 |
| 80 04 21 1220 | | | .3 | 1 | 2.9 | 0.129 | 0.082 | 1.150 | 1.890 | 0.148 | 4.300 | 5.598 | 0.740 | 6.338 |
| 80 05 14 1145 | | | .3 | 1 | 5.0 | 0.116 | 0.029 | 0.430 | 1.490 | 0.107 | 3.440 | 3.977 | 1.060 | 5.037 |
| 80 06 16 1205 | | | .3 | 1 | 2.6 | 0.215 | 0.126 | 0.035 | 1.350 | 0.061 | 7.200 | 7.296 | 1.315 | 8.611 |
| 80 07 21 1315 | | | .3 | 1 | 2.3 | 0.161 | 0.068 | 0.165 | 1.040 | 0.350 | 3.550 | 4.065 | 0.875 | 4.940 |
| 80 08 18 1140 | | | .3 | 1 | 2.4 | 0.120 | 0.044 | 0.045 | 0.820 | 0.030 | 5.870 | 5.945 | 0.775 | 6.720 |
| 80 09 15 1220 | | | .3 | 1 | 2.6 | 0.123 | 0.050 | 0.060 | 0.81 | 0.038 | 12.9 | 12.998 | 0.750 | 13.748 |
| 80 10 20 1155 | | | .3 | 1 | 1.9 | 0.092 | 0.041 | 0.050 | 0.96 | 0.037 | 6.0 | 6.087 | 0.910 | 6.997 |
| 80 11 17 1202 | | | .3 | 1 | 1.0 | 0.26 | 0.215 | 0.220 | 0.88 | 0.043 | 7.86 | 8.123 | 0.660 | 8.783 |
| 80 12 15 1320 | | | .3 | 1 | 2.0 | 0.145 | 0.092 | 0.080 | 0.630 | 0.058 | 8.400 | 8.538 | 0.550 | 9.088 |
| **MAXIMUM** | | | | | **13.6** | **1.510** | **0.550** | **3.520** | **4.600** | **0.350** | **12.9** | **12.998** | **3.250** | **13.748** |
| **ARITH MEAN** | | | | | **3.4** | **0.32** | **0.136** | **0.735** | **1.54** | **0.100** | **6.0** | **6.872** | **1.060** | **7.670** |
| **GEOM MEAN** | | | | | **2.7** | **0.21** | **0.096** | **0.249** | **1.28** | **0.077** | **5.4** | **6.410** | **0.928** | **7.368** |
| **MINIMUM** | | | | | **1.0** | **0.092** | **0.029** | **0.035** | **0.630** | **0.030** | **1.990** | **3.452** | **0.550** | **4.940** |
| **STD DEV** | | | | | **3.4** | **0.41** | **0.143** | **1.057** | **1.16** | **0.088** | **2.8** | **2.723** | **0.766** | **2.441** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **11** | **12** | **12** | **12** | **11** | **11** |

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH | FEUT | SOLEXT | ASUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | IRON UNF.TOT. MG/L AS FE | SOLVENT EXTRACT. MG/L | ARSENIC UNF.TOT. MG/L AS AS |
| 80 01 21 1245 | | | .3 | 1 | 524.0 | 2.5 | 521.5 | 845.0 | 4.20 | 56.500 | 8.00 | 0.300 | | |
| 80 02 18 1315 | | | .3 | 1 | 762.0 | 8.0 | 754.0 | 1200.0 | 2.40 | 130.000 | 7.98 | 0.120 | | 0.026 |
| 80 03 17 1450 | | | .3 | 1 | 670.0 | 262.0 | 408.0 | 660.0 | 84.00 | 92.500 | 7.45 | 5.90 | | 0.001 |
| 80 04 21 1220 | | | .3 | 1 | 494.0 | 5.5 | 488.5 | 780.0 | 5.90 | 57.000 | 8.06 | 1.600 | 1 | 0.001< |
| 80 05 14 1145 | | | .3 | 1 | 438.0 | 7.5 | 430.5 | 670.0 | 4.20 | 39.000 | 8.23 | 0.290 | | 0.001< |
| 80 06 16 1205 | | | .3 | 1 | 682.0 | 9.0 | 673.0 | 970.0 | 2.80 | 77.000 | 8.20 | | | 0.001< |
| 80 07 21 1315 | | | .3 | 1 | 844.0 | 22.7 | 821.3 | 1140.0 | 1.30 | 100.000 | 8.49 | 0.19 | | 0.001< |
| 80 08 18 1140 | | | .3 | 1 | 798.4 | 3.4 | 795.0 | 1040.0 | 2.10 | 90.500 | 7.93 | | 1 | 0.001 |
| 80 09 15 1220 | | | .3 | 1 | 747.0 | 3.5 | 743.5 | 1100 | 1.8 | 128 | 7.98 | 1.91 | 1 | |
| 80 10 20 1155 | | | .3 | 1 | 641.2 | 5.0 | 636.2 | 975 | 3.0 | 81.5 | 8.0 | 0.22 | | |
| 80 11 17 1202 | | | .3 | 1 | 797.8 | 7.2 | 790.6 | 1160 | 5.1 | 98.5 | 7.94 | 0.31 | | |
| 80 12 15 1320 | | | .3 | 1 | 679.6 | 17.7 | 661.9 | 1010.0 | 7.20 | 74.500 | 7.89 | 0.53 | 2 | |
| **MAXIMUM** | | | | | **844.0** | **262.0** | **821.3** | **1200.0** | **84.00** | **130.000** | **8.49** | **5.90** | **2** | **0.026** |
| **ARITH MEAN** | | | | | **673.2** | **29.5** | **643.7** | **962** | **10.3** | **85** | **8.0** | **1.13** | **1** | **0.005L** |
| **GEOM MEAN** | | | | | **660.6** | **9.1** | **626.7** | **944** | **4.2** | **81** | **8.0** | **0.51** | **1** | **0.002L** |
| **MINIMUM** | | | | | **438.0** | **2.5** | **408.0** | **660.0** | **1.30** | **39.000** | **7.45** | **0.120** | **1** | **0.001<** |
| **STD DEV** | | | | | **129.5** | **73.5** | **147.5** | **185** | **23.2** | **27** | **0.2** | **1.78** | **0** | **0.009L** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **10** | **4** | **7** |

| TEST-NAME: | | | | | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 01 21 1245 | | | .3 | 1 | | | 0.020 | | | 0.040 | 0.020< | |
| 80 02 18 1315 | | | .3 | 1 | 0.100 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020< |
| 80 03 17 1450 | | | .3 | 1 | 5.700 | 0.020< | 0.040 | 0.070 | 0.005 < | 0.200 | 0.020< | 0.020< |
| 80 04 21 1220 | | | .3 | 1 | 1.200 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.20 < | 0.020< |
| 80 05 14 1145 | | | .3 | 1 | 0.270 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020< |
| 80 06 16 1205 | | | .3 | 1 | 0.17 | 0.02 < | 0.01 < | 0.03 < | 0.005 < | 0.02 | 0.02 < | 0.02 < |
| 80 07 21 1315 | | | .3 | 1 | 0.090 | 0.060 | 0.010 | 0.030< | 0.005 < | 0.020 | 0.020< | 0.020< |
| 80 08 18 1140 | | | .3 | 1 | 0.14 | 0.003 | 0.007 | 0.003< | 0.0002< | 0.018 | 0.008 | 0.002< |
| 80 09 15 1220 | | | .3 | 1 | 0.1 | 0.02 | 0.01 | 0.03 < | 0.005 < | 0.026 | 0.02 < | 0.02 < |
| 80 10 20 1155 | | | .3 | 1 | 0.18 | 0.004 | 0.004 | 0.003< | 0.0002< | 0.028 | 0.006 | 0.002< |
| 80 11 17 1202 | | | .3 | 1 | 0.4 | 0.1 < | 0.018 | 0.005 | 0.0003 | 0.03 | 0.025< | 0.02 < |
| 80 12 15 1320 | | | .3 | 1 | | | 0.006 | | | 0.048 | 0.006 | |
| **MAXIMUM** | | | | | **5.700** | **0.1** | **0.040** | **0.070** | **0.005** | **0.200** | **0.20** | **0.02** |
| **ARITH MEAN** | | | | | **0.8** | **0.0 L** | **0.01 L** | **0.02 L** | **0.003 L** | **0.03 L** | **0.03 L** | **0.01 L** |
| **GEOM MEAN** | | | | | **0.2** | **0.0 L** | **0.01 L** | **0.01 L** | **0.002 L** | **0.02 L** | **0.01 L** | **0.01 L** |
| **MINIMUM** | | | | | **0.090** | **0.003<** | **0.004<** | **0.003<** | **0.0002<** | **0.010<** | **0.006<** | **0.002<** |
| **STD DEV** | | | | | **1.7** | **0.0 L** | **0.01 L** | **0.02 L** | **0.002 L** | **0.05 L** | **0.05 L** | **0.00 L** |
| **NO OF SAMPLES** | | | | | **10** | **10** | **12** | **10** | **10** | **12** | **12** | **10** |

STATION ID: 04-0013-026-02

B.O.W./SITE: **TILBURY CREEK**
SAMPLE POINT: **1 MILE SOUTHWEST OF TILBURY STATION**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STORET CODE: **02**
**003**
**2870**

LAT: LONG: U T M: **17 0380625.0 4681250.0 4** REGION: **01** DISTANCE: **7.725**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 28 1123 | | | .3 | 1 | 35001 | 4 | 5900 | 18500 | 100 | 20I | 4< | 0.5 | 12.0 | 2.8 |
| 80 02 25 1125 | | | .3 | 1 | 35011 | 4 | | | | | | 1.0 | 10.0 | 5.0 |
| 80 03 24 1025 | | | .3 | 1 | 35021 | 6 | 7300 | 7500 | 310 | 310 | 10I | 3.0 | 14.0 | 1.4 |
| 80 05 26 0940 | | | .3 | 1 | 35042 | 6 | 1000C | 44000 | 200I | 100< | 4< | 18.5 | 5.0 | 4.4 |
| 80 06 23 0915 | | | .3 | 1 | 35053 | 6 9 | 4800C | 39000 | 380 | 340 | 4< | 21.0 | 6.5 | 3.2 |
| 80 07 28 1000 | | | .3 | 1 | 35064 | 6 | 5200C | 29000 | 510 | 650 | 76 | 24.0 | 5.0 | 4.4 |
| 80 08 25 1000 | | | .3 | 1 | 35075 | 6 | 14000 | 31000 | 350 | 330 | 16 | 24.5 | 7.0 | 5.8 |
| 80 09 22 1020 | | | .3 | 1 | 35086 | 6 | 2600 | 27000 | 240 | 260 | 4 | 21.0 | 3.5 | 5.6 |
| 80 10 27 0940 | | | .3 | 1 | 35097 | 6 | 17000 | 29000 | 380 | 210 | 4 | 7.0 | 8.5 | 8.8 |
| 80 11 24 1000 | | | .3 | 1 | 35107 | 6 | 91000C | 320000 | 1500> | 1070 | 96 | 4.0 | 8.5 | 15.2 |
| MAXIMUM | | | | | | | 91000 | 320000 | 1500> | 1070 | 96 | 24.5 | 14.0 | 15.2 |
| ARITH MEAN | | | | | | | 18533 | 60556 | 441G | 366L | 24L | 12.4 | 8.0 | 5.7 |
| GEOM MEAN | | | | | | | 7323 | 33534 | 338G | 240L | 10L | 6.8 | 7.4 | 4.7 |
| MINIMUM | | | | | | | 1000 | 7500 | 100 | 20< | 4< | 0.5 | 3.5 | 1.4 |
| STD DEV | | | | | | | 28398 | 97868 | 414G | 318L | 38L | 10.1 | 3.3 | 3.9 |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 10 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 28 1123 | | | .3 | 1 | 0.240 | 0.161 | 0.565 | 1.620 | 0.037 | 10.200 | 10.802 | 1.055 | 11.857 | 562.0 |
| 80 02 25 1125 | | | .3 | 1 | 0.685 | 0.315 | 0.890 | 2.900 | 0.087 | 3.910 | 4.887 | 2.010 | 6.897 | 506.0 |
| 80 03 24 1025 | | | .3 | 1 | 0.420 | 0.179 | 0.315 | 2.400 | 0.070 | 8.500 | 8.885 | 2.085 | 10.970 | 520.0 |
| 80 05 26 0940 | | | .3 | 1 | 0.395 | 0.063 | 0.525 | 4.100 | 1.380 | 15.400 | 17.305 | 3.575 | 20.880 | 702.0 |
| 80 06 23 0915 | | | .3 | 1 | 0.226 | 0.088 | 0.295 | 1.680 | 0.220 | 10.000 | 10.515 | 1.385 | 11.900 | 458.0 |
| 80 07 28 1000 | | | .3 | 1 | 0.275 | 0.049 | 0.280 | 1.750 | 0.187 | 1.800 | 2.267 | 1.470 | 3.737 | 641.4 |
| 80 08 25 1000 | | | .3 | 1 | 0.360 | 0.038 | 0.075 | 2.60 | 0.090 | 2.61 | 2.775 | 2.525 | 5.300 | 455.7 |
| 80 09 22 1020 | | | .3 | 1 | 0.570 | 0.330 | 1.3 | 2.90 | 0.520 | 2.58 | 4.400 | 1.600 | 6.000 | 502.5 |
| 80 10 27 0940 | | | .3 | 1 | 0.870 | 0.410 | 0.010 | 3.00 | 0.705 | 0.73 | 1.445 | 2.990 | 4.435 | 566.4 |
| 80 11 24 1000 | | | .3 | 1 | 1.550 | 0.750 | 3.800 | 8.600 | 0.280 | 0.470 | 4.550 | 4.800 | 9.350 | 560.0 |
| MAXIMUM | | | | | 1.550 | 0.750 | 3.800 | 8.600 | 1.380 | 15.400 | 17.305 | 4.800 | 20.880 | 702.0 |
| ARITH MEAN | | | | | 0.559 | 0.238 | 0.8 | 3.15 | 0.358 | 5.62 | 6.783 | 2.349 | 9.133 | 547.4 |
| GEOM MEAN | | | | | 0.466 | 0.158 | 0.3 | 2.76 | 0.203 | 3.41 | 5.237 | 2.124 | 8.018 | 542.7 |
| MINIMUM | | | | | 0.226 | 0.038 | 0.010 | 1.620 | 0.037 | 0.470 | 1.445 | 1.055 | 3.737 | 455.7 |
| STD DEV | | | | | 0.405 | 0.222 | 1.1 | 2.05 | 0.419 | 5.05 | 4.994 | 1.168 | 5.134 | 77.7 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 28 1123 | | | .3 | 1 | 16.5 | 545.5 | 720.0 | 20.00 | 33.500 | 7.75 |
| 80 02 25 1125 | | | .3 | 1 | 93.0 | 413.0 | 409.0 | 285.00 | 41.500 | 7.35 |
| 80 03 24 1025 | | | .3 | 1 | 57.0 | 252.000 | 388.0 | 270.00 | 20.000 | 7.55 |
| 80 05 26 0940 | | | .3 | 1 | 85.0 | 617.0 | 720.0 | 110.00 | 36.000 | 7.46 |
| 80 06 23 0915 | | | .3 | 1 | 67.0 | 391.0 | 453.0 | 120.00 | 16.000 | 7.66 |
| 80 07 28 1000 | | | .3 | 1 | 173.9 | 467.5 | 510.0 | 130.00 | 26.500 | 7.63 |
| 80 08 25 1000 | | | .3 | 1 | 56.4 | 399.3 | 448 | 110 | 29.5 | 7.86 |
| 80 09 22 1020 | | | .3 | 1 | 51.8 | 450.7 | 625 | 68 | 38.5 | 7.64 |
| 80 10 27 0940 | | | .3 | 1 | 48.9 | 517.5 | 760 | 34 | 46.5 | 8.07 |
| 80 11 24 1000 | | | .3 | 1 | 24.6 | 535.4 | 830.0 | 13.00 | 63.000 | 7.69 |
| MAXIMUM | | | | | 173.9 | 617.0 | 830.0 | 285.00 | 63.000 | 8.07 |
| ARITH MEAN | | | | | 67.4 | 458.8 | 586 | 116 | 35.1 | 7.67 |
| GEOM MEAN | | | | | 56.0 | 447.1 | 565 | 78 | 32.7 | 7.66 |
| MINIMUM | | | | | 16.5 | 252.000 | 388.0 | 13.00 | 16.000 | 7.35 |
| STD DEV | | | | | 44.2 | 102.7 | 163 | 95 | 13.5 | 0.20 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 |

STATION ID: 04-0013-027-02

B.O.W./SITE: **NORTH THAMES RIVER**
SAMPLE POINT: **AT MIDDLESEX COUNTY ROAD 42 LONDON**
STATION TYPE: **RIVER FLOW GAUGE FED 02GE003**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STORET CODE: **02**
**003**
**2870**

LAT: LONG: U T M: **17 0484125.0 4765225.0 4** REGION: **01** DISTANCE: **217.416**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 01 21 0925 | | | .3 | 1 | 33000 | 6 | 9.470 | 190 | 2700 | 32 | 136 | 4< | 0.0 | 13.5 |
| 80 02 18 0920 | | | .3 | 1 | 33021 | 6 | 2.300 | 10< | 150 | 4< | 4< | 4< | 0.0 | 10.5 |
| 80 03 17 1140 | | | .3 | 1 | 33043 | 6 3 | 13.200 | 152C | 1920 | 16 | 40 | 4< | 0.5 | 12.0 |
| 80 04 21 0920 | | | .3 | 1 | 33061 | 6 | 19.300 | 170 | 1740 | 16 | 100 | 4< | 9.0 | 6.0 |
| 80 05 14 0900 | | | .3 | 1 | 33083 | 8 | 8.810 | 750 | 1500 | 4< | 4< | 4< | 12.0 | 8.5 |
| 80 06 16 0905 | | | .3 | 1 | 33105 | 6 8 | 4.010 | 4700 | 8200 | 36 | 12 | 4< | 16.0 | 8.5 |
| 80 07 21 0850 | | | .3 | 1 | 33127 | 6 | 3.190 | 1900C | 62000 | 148 | 116 | 4< | 22.0 | 6.0 |
| 80 08 18 0850 | | | .3 | 1 | 33149 | 6 | 3.230 | 500C | | 112 | 32 | 4< | 22.0 | 5.5 |
| 80 09 15 0940 | | | .3 | 1 | 33171 | 6 8 | 3.550 | 460C | 24000> | 90I | 32 | 4< | 18.0 | 7.5 |
| 80 10 20 0930 | | | .3 | 1 | 33194 | 6 8 | 8.260 | 400I | 4200 | 10< | 4< | 4< | 10.0 | 9.5 |
| 80 11 17 0936 | | | .3 | 1 | 33216 | 6 8 | 4.750 | 80I | 140 | 10< | 20I | 4< | 3.0 | 11.0 |
| 80 12 15 0930 | | | .3 | 1 | 33238 | 6 | 7.620 | 640C | 7400 | 104 | 600> | 4< | 0.0 | 10.5 |
| MAXIMUM | | | | | | | 19.300 | 4700 | 62000> | 148 | 600> | 4 | 22.0 | 13.5 |
| ARITH MEAN | | | | | | | 7.307 | 829L | 10359G | 48L | 928 | 4L | 9.4 | 9.1 |
| GEOM MEAN | | | | | | | 5.992 | 328L | 2867G | 25L | 308 | 4L | 5.0 | 8.7 |
| MINIMUM | | | | | | | 2.300 | 10< | 140 | 4< | 4< | 4< | 0.0 | 5.5 |
| STD DEV | | | | | | | 5.015 | 1319L | 18427G | 51L | 1678 | 0L | 8.7 | 2.5 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 11 | 12 | 12 | 12 | 12 | 12 |

(CONTD)

| TEST-NAME: | | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 01 21 0925 | | | .3 | 1 | 1.3 | 0.081 | 0.059 | 0.165 | 0.610 | 0.029 | 6.300 | 6.494 | 0.445 | 6.939 |
| 80 02 18 0920 | | | .3 | 1 | 0.7 | 0.071 | 0.027 | 0.110 | 0.740 | 0.029 | 5.920 | 6.059 | 0.630 | 6.689 |
| 80 03 17 1140 | | | .3 | 1 | 1.9 | 0.064 | 0.028 | 0.190 | 0.860 | 0.032 | 4.970 | 5.192 | 0.670 | 5.862 |
| 80 04 21 0920 | | | .3 | 1 | 1.6 | 0.078 | 0.027 | 0.055 | 0.690 | 0.030 | 5.970 | 6.055 | 0.635 | 6.690 |
| 80 05 14 0900 | | | .3 | 1 | 2.0 | 0.056 | 0.002 | 0.040 | 0.830 | 0.037 | 3.300 | 3.377 | 0.790 | 4.167 |
| 80 06 16 0905 | | | .3 | 1 | 2.9 | 0.063 | 0.002 | 0.095 | 1.030 | 0.073 | 4.300 | 4.468 | 0.935 | 5.403 |
| 80 07 21 0850 | | | .3 | 1 | 2.4 | 0.053 | 0.016 | 0.225 | 0.930 | 0.167 | 3.700 | 4.092 | 0.705 | 4.797 |
| 80 08 18 0850 | | | .3 | 1 | 3.5 | 0.075 | 0.003 | 0.170 | 1.080 | 0.084 | 1.440 | 1.694 | 0.910 | 2.604 |
| 80 09 15 0940 | | | .3 | 1 | 2.8 | 0.094 | 0.011 | 0.170 | 1.02 | 0.053 | 0.47 | 0.693 | 0.850 | 1.543 |
| 80 10 20 0930 | | | .3 | 1 | 1.6 | 0.050 | 0.001 | 0.115 | 0.75 | 0.019 | 0.82 | 0.954 | 0.635 | 1.589 |
| 80 11 17 0936 | | | .3 | 1 | 1.5 | 0.029 | 0.002 | 0.065 | 0.79 | 0.026 | 3.92 | 4.011 | 0.725 | 4.736 |
| 80 12 15 0930 | | | .3 | 1 | 1.4 | 0.111 | 0.065 | 0.135 | 0.980 | 0.040 | 12.400 | 12.575 | 0.845 | 13.420 |
| MAXIMUM | | | | | 3.5 | 0.111 | 0.065 | 0.225 | 1.080 | 0.167 | 12.400 | 12.575 | 0.935 | 13.420 |
| ARITH MEAN | | | | | 2.0 | 0.069 | 0.020 | 0.128 | 0.85 | 0.062 | 4.45 | 4.639 | 0.731 | 5.370 |
| GEOM MEAN | | | | | 1.8 | 0.065 | 0.009 | 0.114 | 0.84 | 0.042 | 3.28 | 3.572 | 0.718 | 4.565 |
| MINIMUM | | | | | 0.7 | 0.029 | 0.001 | 0.040 | 0.610 | 0.019 | 0.47 | 0.693 | 0.445 | 1.543 |
| STD DEV | | | | | 0.8 | 0.022 | 0.022 | 0.058 | 0.15 | 0.041 | 3.18 | 3.175 | 0.141 | 3.169 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 21 0925 | | | .3 | 1 | 372.0 | 3.0 | 369.0 | 540.0 | 9.50 | 18.500 | 8.15 |
| 80 02 18 0920 | | | .3 | 1 | 346.0 | | | 605.0 | 2.60 | 20.500 | 8.13 |
| 80 03 17 1140 | | | .3 | 1 | 442.0 | 3.5 | 438.0 | 695.0 | 2.10 | 36.000 | 8.01 |
| 80 04 21 0920 | | | .3 | 1 | 340.0 | 14.5 | 325.5 | 488.0 | 18.00 | 14.000 | 8.31 |
| 80 05 14 0900 | | | .3 | 1 | 340.0 | 6.0 | 334.0 | 505.0 | 4.50 | 18.500 | 8.39 |
| 80 06 16 0905 | | | .3 | 1 | 320.0 | 15.0 | 305.0 | 510.0 | 6.70 | 21.500 | 8.25 |
| 80 07 21 0850 | | | .3 | 1 | 310.0 | 6.0 | 304.0 | 427.0 | 5.50 | 19.000 | 7.89 |
| 80 08 18 0850 | | | .3 | 1 | 360.4 | 12.6 | 347.8 | 468.0 | 9.70 | 23.000 | 7.91 |
| 80 09 15 0940 | | | .3 | 1 | 296.5 | 17.5 | 279.0 | 417 | 10 | 28 | 7.76 |
| 80 10 20 0930 | | | .3 | 1 | 292.2 | 10.9 | 281.3 | 490 | 6.9 | 27.0 | 8.17 |
| 80 11 17 0936 | | | .3 | 1 | 390.4 | 5.8 | 384.6 | 595 | 2.7 | 28.5 | 8.35 |
| 80 12 15 0930 | | | .3 | 1 | 395.7 | 14.5 | 381.2 | 610.0 | 10.00 | 23.000 | 8.12 |
| MAXIMUM | | | | | 442.0 | 17.5 | 438.0 | 695.0 | 18.00 | 36.000 | 8.39 |
| ARITH MEAN | | | | | 350.4 | 9.9 | 340.9 | 529 | 7 | 23 | 8.12 |
| GEOM MEAN | | | | | 347.9 | 8.5 | 337.7 | 523 | 6 | 22 | 8.12 |
| MINIMUM | | | | | 292.2 | 3.0 | 279.0 | 417 | 2.10 | 14.000 | 7.76 |
| STD DEV | | | | | 44.4 | 5.2 | 49.1 | 82 | 4 | 5 | 0.20 |
| NO OF SAMPLES | | | | | 12 | 11 | 11 | 12 | 12 | 12 | 12 |

B.O.W./ SITE: **DINGMAN CREEK**
SAMPLE POINT: **1ST.CONC.DOWNSTREAM OF LAMBERT**
STATION TYPE: **RIVER FLOW GAUGE FED 02GE005**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-029-02**
STORET CODE: **02**
**003**
**2870**

LAT:
LONG:
U T M: **17 0474400.0 4751100.0 4**
REGION: **01**
DISTANCE: **196.013**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 01 23 1025 | | | .3 | 1 | 33012 | 6 | 0.560 | 18300> | 21400 | 1500> | 850 | 8 | 0.0 | 11.0 |
| 80 02 19 1020 | | | .3 | 1 | 33033 | 6 | 0.222 | 6500 | 16800 | 860 | 260 | 4< | 0.0 | 9.5 |
| 80 03 19 1010 | | | .3 | 1 | 33051 | 6 3 | 4.230 | 34000 | 99000 | 1500> | 410 | | 1.0 | 10.5 |
| 80 04 22 1005 | | | .3 | 1 | 33073 | 6 | 1.110 | 31000 | 86000 | 6000 | 580 | 80 | 10.5 | 10.0 |
| 80 05 20 1007 | | | .3 | 1 | 33095 | 6 | 1.240 | 13000 | 42000 | 3600 | 220 | 4< | 14.0 | 7.5 |
| 80 06 18 1010 | | | .3 | 1 | 33117 | 6 | 0.197 | 3800C | 34000 | 1800 | 100 | 4< | 14.5 | 10.0 |
| 80 07 23 0940 | | | .3 | 1 | 33139 | 6 | 1.130 | 42000 | 170000 | 1500> | 1500> | 72 | 21.0 | 4.5 |
| 80 08 20 0945 | | | .3 | 1 | 33161 | 6 | 0.197 | 9500C | | 2300 | 500I | 4< | 20.5 | 5.0 |
| 80 09 17 1010 | | | .3 | 1 | 33183 | 6 8 | 0.854 | 57000C | 450000 | 2100 | 460 | 28C | 16.0 | 6.0 |
| 80 10 22 1000 | | | .3 | 1 | 33206 | 6 8 | 1.310 | 71000 | 75000 | 4300 | 1500> | 28 | 8.0 | 8.0 |
| 80 11 19 1010 | | | .3 | 1 | 33228 | 6 8 | 0.108 | 4700 | 8400 | 1000 | 210 | 4< | 1.0 | 11.0 |
| 80 12 17 1020 | | | .3 | 1 | 33247 | 4 | 0.680 | 51000> | 44000 | 1500> | 192 | 4< | 0.0 | 11.5 |
| MAXIMUM | | | | | | | 4.230 | 71000> | 450000 | 6000> | 1500> | 80 | 21.0 | 11.5 |
| ARITH MEAN | | | | | | | 0.986 | 28483G | 95146 | 2330G | 565G | 22L | 8.9 | 8.7 |
| GEOM MEAN | | | | | | | 0.609 | 19127G | 53000 | 1975G | 412G | 10L | 4.7 | 8.3 |
| MINIMUM | | | | | | | 0.108 | 3800 | 8400 | 860 | 100 | 4< | 0.0 | 4.5 |
| STD DEV | | | | | | | 1.113 | 22782G | 128613 | 1537G | 483G | 28L | 8.3 | 2.5 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 11 | 12 | 12 | 11 | 12 | 12 |

| TEST-NAME: | | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 01 23 1025 | | | .3 | 1 | 2.8 | 0.530 | 0.143 | 0.275 | 1.060 | 0.050 | 5.000 | 5.325 | 0.785 | 6.110 |
| 80 02 19 1020 | | | .3 | 1 | 2.2 | 0.455 | 0.260 | 0.955 | 1.730 | 0.058 | 3.840 | 4.853 | 0.775 | 5.628 |
| 80 03 19 1010 | | | .3 | 1 | | 0.330 | 0.130 | 0.475 | 2.080 | 0.048 | 3.100 | 3.623 | 1.605 | 5.228 |
| 80 04 22 1005 | | | .3 | 1 | 2.2 | 0.072 | 0.017 | 0.100 | 0.730 | 0.028 | 2.970 | 3.098 | 0.630 | 3.728 |
| 80 05 20 1007 | | | .3 | 1 | 1.9 | 0.102 | 0.033 | 0.170 | 1.100 | 0.069 | 3.630 | 3.869 | 0.930 | 4.799 |
| 80 06 18 1010 | | | .3 | 1 | 2.2 | 0.290 | 0.103 | 0.225 | 1.380 | 0.166 | 3.200 | 3.591 | 1.155 | 4.746 |
| 80 07 23 0940 | | | .3 | 1 | 2.0 | 0.420 | 0.123 | 0.205 | 1.90 | 0.24 | 6.1 | 6.545 | 1.695 | 8.240 |
| 80 08 20 0945 | | | .3 | 1 | 2.2 | 0.280 | 0.111 | 0.080 | 1.150 | 0.064 | 2.100 | 2.244 | 1.070 | 3.314 |
| 80 09 17 1010 | | | .3 | 1 | 2.4 | 0.282 | 0.086 | 0.015 | 1.46 | 0.075 | 2.4 | 2.490 | 1.445 | 3.935 |
| 80 10 22 1000 | | | .3 | 1 | 3.0 | 0.274 | 0.075 | 0.025 | 1.16 | 0.088 | 4.5 | 4.613 | 1.135 | 5.748 |
| 80 11 19 1010 | | | .3 | 1 | 1.5 | 0.094 | 0.046 | 0.070 | 0.76 | 0.082 | 2.82 | 2.972 | 0.690 | 3.662 |
| 80 12 17 1020 | | | .3 | 1 | 1.8 | 0.081 | 0.038 | 0.210 | 0.860 | 0.127 | 5.000 | 5.337 | 0.650 | 5.987 |
| MAXIMUM | | | | | 3.0 | 0.530 | 0.260 | 0.955 | 2.080 | 0.24 | 6.1 | 6.545 | 1.695 | 8.240 |
| ARITH MEAN | | | | | 2.2 | 0.267 | 0.097 | 0.234 | 1.28 | 0.09 | 3.7 | 4.047 | 1.047 | 5.084 |
| GEOM MEAN | | | | | 2.2 | 0.218 | 0.077 | 0.137 | 1.21 | 0.07 | 3.5 | 3.865 | 0.990 | 4.931 |
| MINIMUM | | | | | 1.5 | 0.072 | 0.017 | 0.015 | 0.730 | 0.028 | 2.100 | 2.244 | 0.630 | 3.314 |
| STD DEV | | | | | 0.4 | 0.166 | 0.066 | 0.260 | 0.44 | 0.06 | 1.2 | 1.302 | 0.372 | 1.385 |
| NO OF SAMPLES | | | | | 11 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

(CONTD)

B.O.W./ SITE: **DINGMAN CREEK**
SAMPLE POINT: **1ST.CONC.DOWNSTREAM OF LAMBERT**
STATION TYPE: **RIVER FLOW GAUGE FED 02GE005**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-029-02**
STORET CODE: **02**
**003**
**2870**

LAT: LONG: U T M: **17 0474400.0 4751100.0 4** REGION: **01** DISTANCE: **196.013**

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 23 1025 | | | 3 | 1 | 458.0 | 16.0 | 442.0 | 735.0 | 10.00 | 47.000 | 7.89 |
| 80 02 19 1020 | | | 3 | 1 | 538.0 | 17.0 | 521.0 | 895.0 | 2.20 | 82.000 | 7.66 |
| 80 03 19 1010 | | | 3 | 1 | 408.0 | 121.0 | 287.0 | 417.0 | 84.00 | 34.500 | 7.57 |
| 80 04 22 1005 | | | 3 | 1 | 430.0 | 16.5 | 413.5 | 655.0 | 10.50 | 46.500 | 8.01 |
| 80 05 20 1007 | | | 3 | 1 | 476.0 | 17.0 | 459.0 | 710.0 | 8.50 | 55.000 | 7.98 |
| 80 06 18 1010 | | | 3 | 1 | 590.0 | 32.0 | 558.0 | 725.0 | 50.00 | 49.500 | 7.84 |
| 80 07 23 0940 | | | .3 | 1 | 610 | 163.4 | 446.6 | 600 | 150 | 53.5 | 7.85 |
| 80 08 20 0945 | | | 3 | 1 | 568.0 | 88.8 | 479.2 | 710.0 | 66.00 | 51.000 | 7.92 |
| 80 09 17 1010 | | | 3 | 1 | 470.4 | 64.1 | 406.3 | 615 | 45 | 44.5 | 7.85 |
| 80 10 22 1000 | | | 3 | 1 | 524.8 | 38.3 | 486.5 | 725 | 30 | 54.0 | 8.00 |
| 80 11 19 1010 | | | 3 | 1 | 495.1 | 10.3 | 484.8 | 770 | 9.0 | 56.0 | 8.08 |
| 80 12 17 1020 | | | .3 | 1 | 594.7 | 23.6 | 571.1 | 830.0 | 10.00 | 55.500 | 7.90 |
| MAXIMUM | | | | | 610 | 163.4 | 571.1 | 895.0 | 150 | 82.000 | 8.08 |
| ARITH MEAN | | | | | 513 | 50.7 | 462.9 | 698 | 39 | 52.4 | 7.88 |
| GEOM MEAN | | | | | 509 | 34.2 | 456.5 | 687 | 21 | 51.4 | 7.88 |
| MINIMUM | | | | | 408.0 | 10.3 | 287.0 | 417.0 | 2.20 | 34.500 | 7.57 |
| STD DEV | | | | | 67 | 49.4 | 75.5 | 121 | 43 | 11.1 | 0.15 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

B.O.W./ SITE: **THAMES RIVER**
SAMPLE POINT: **AT HIGHWAY 76**
STATION TYPE: **RIVER FLOW GAUGE FED 02GE006**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-032-02**
STORET CODE: **02**
**003**
**2870**

LAT: LONG: U T M: **17 0442950.0 4724550.0 4** REGION: **01** DISTANCE: **106.375**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 01 29 1020 | | | .3 | 1 | 35006 | 6 | | 16.600 | 3800 | 6800 | 120 | 60I | 4< | 0.5 | 10.5 |
| 80 02 26 1020 | | | .3 | 1 | 35016 | 6 | | 26.000 | | | | | | 0.0 | 13.0 |
| 80 03 25 0745 | | | .3 | 1 | 35026 | 6 | | 276.000 | 3000 | 10000 | 1000 | 35400> | 20I | 1.0 | 11.5 |
| 80 04 29 1143 | | | .3 | 1 | 35036 | 6 | | 41.200 | 500I | 5300 | 80I | 200I | 4< | 10.0 | 10.0 |
| 80 05 28 1000 | | | .3 | 1 | 35047 | 6 | | 18.000 | 700I | 18000 | 16 | 76 | 4< | 13.0 | 8.5 |
| 80 06 24 0800 | | | .3 | 1 | 35058 | 6 | | 11.300 | 500C | 35000 | 52 | 128 | 4< | 22.0 | 10.0 |
| 80 07 29 1100 | | | .3 | 1 | 35069 | 6 | 9 | 54.000 | 28000 | 165000 | | 1500> | 176 | 22.0 | 6.0 |
| 80 08 26 0940 | | | .3 | 1 | 35080 | 6 | | 8.310 | 500C | 65000 | 120 | 30I | 4< | 24.0 | 9.5 |
| 80 09 23 1045 | | | .3 | 1 | 35091 | 6 | | 14.800 | 15000C | 38000 | 1500> | 600> | 190 | 18.0 | 8.0 |
| 80 10 28 0914 | | | .3 | 1 | 35102 | 6 | | 29.600 | 4300 | 14800 | 10I | 240 | 4 | 5.0 | 11.0 |
| 80 11 24 1445 | | | .3 | 1 | 35112 | 6 | | 12.000 | 900I | 6500 | 30I | 30 | 4< | 4.0 | 12.5 |
| MAXIMUM | | | | | | | | 276.000 | 28000 | 165000 | 1500> | 35400> | 190 | 24.0 | 13.0 |
| ARITH MEAN | | | | | | | | 46.165 | 5720 | 36440 | 325G | 3826G | 41L | 10.9 | 10.0 |
| GEOM MEAN | | | | | | | | 24.972 | 2094 | 19722 | 91G | 246G | 10L | 5.8 | 9.8 |
| MINIMUM | | | | | | | | 8.310 | 500 | 5300 | 10 | 30 | 4< | 0.0 | 6.0 |
| STD DEV | | | | | | | | 77.497 | 8980 | 48990 | 540G | 11103G | 75L | 9.4 | 2.0 |
| NO OF SAMPLES | | | | | | | | 11 | 10 | 10 | 9 | 10 | 10 | 11 | 11 |

| TEST-NAME: | | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 01 29 1020 | | | .3 | 1 | 0.8 | 0.068 | 0.042 | 0.250 | 0.730 | 0.079 | 5.400 | 5.729 | 0.480 | 6.209 |
| 80 02 26 1020 | | | 3 | 1 | 5.0 | 0.190 | 0.078 | 0.535 | 1.700 | 0.041 | 3.960 | 4.536 | 1.165 | 5.701 |
| 80 03 25 0745 | | | .3 | 1 | 2.6 | 0.158 | 0.137 | 0.330 | 1.700 | 0.045 | 3.560 | 3.935 | 1.370 | 5.305 |
| 80 04 29 1143 | | | .3 | 1 | 2.0 | 0.070 | 0.005 | 0.025 | 0.740 | 0.024 | 4.480 | 4.529 | 0.715 | 5.244 |
| 80 05 28 1000 | | | 3 | 1 | 2.1 | 0.140 | 0.017 | 0.010 | 0.870 | 0.028 | 3.500 | 3.538 | 0.860 | 4.398 |
| 80 06 24 0800 | | | .3 | 1 | 4.6 | 0.175 | 0.008 | 0.045 | 1.210 | 0.026 | 2.700 | 2.771 | 1.165 | 3.936 |
| 80 07 29 1100 | | | .3 | 1 | 3.8 | 0.720 | 0.106 | 0.085 | 2.20 | 0.081 | 7.6 | 7.766 | 2.115 | 9.881 |
| 80 08 26 0940 | | | .3 | 1 | 3.4 | 0.198 | 0.018 | 0.010 | 1.28 | 0.012 | 1.32 | 1.342 | 1.270 | 2.612 |
| 80 09 23 1045 | | | .3 | 1 | 2.2 | 0.41 | 0.112 | 0.130 | 1.95 | 0.045 | 2.6 | 2.775 | 1.820 | 4.595 |
| 80 10 28 0914 | | | .3 | 1 | 1.3 | 0.114 | 0.047 | 0.025 | 0.90 | 0.034 | 3.8 | 3.859 | 0.875 | 4.734 |
| 80 11 24 1445 | | | 3 | 1 | 1.1 | 0.069 | 0.028 | 0.005 | 0.680 | 0.039 | 3.900 | 3.944 | 0.675 | 4.619 |
| MAXIMUM | | | | | 5.0 | 0.720 | 0.137 | 0.535 | 2.20 | 0.081 | 7.6 | 7.766 | 2.115 | 9.881 |
| ARITH MEAN | | | | | 2.6 | 0.21 | 0.054 | 0.132 | 1.26 | 0.041 | 3.8 | 4.066 | 1.137 | 5.203 |
| GEOM MEAN | | | | | 2.3 | 0.15 | 0.035 | 0.052 | 1.16 | 0.036 | 3.5 | 3.739 | 1.043 | 4.965 |
| MINIMUM | | | | | 0.8 | 0.068 | 0.005 | 0.005 | 0.680 | 0.012 | 1.32 | 1.342 | 0.480 | 2.612 |
| STD DEV | | | | | 1.4 | 0.19 | 0.046 | 0.171 | 0.54 | 0.022 | 1.6 | 1.674 | 0.496 | 1.818 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | SIO3UR | ACDT | ALKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | SILICATE UNF.REAC MG/L AS SI | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 |
| 80 01 29 1020 | | | .3 | 1 | 434.00 | 6.00 | 428.00 | 680.0 | 8.00 | 33.000 | 58.000 | 3.040 | 10.000 | 236 |
| 80 02 26 1020 | | | 3 | 1 | 392.00 | 28.00 | 364.00 | 560.0 | 23.00 | 41.000 | 47.000 | 2.400 | 10.200 | 172.0 |
| 80 03 25 0745 | | | 3 | 1 | 420.00 | 153.00 | 202.000 | 310.0 | 170.00 | 12.500 | 20.000 | 2.060 | 10.100 | 110.0 |
| 80 04 29 1143 | | | 3 | 1 | 368.00 | 28.00 | 340.00 | 560.0 | 19.00 | 26.000 | 44.500 | 0.420 | 3.000 | 205.0 |
| 80 05 28 1000 | | | 3 | 1 | 470.00 | 70.00 | 400.00 | 590.0 | 48.00 | 31.000 | 46.000 | 0.540 | 13.800 | 220.0 |
| 80 06 24 0800 | | | 3 | 1 | 458.00 | 81.00 | 377.00 | 580.0 | 74.00 | 39.000 | 49.500 | 0.660 | 9.800 | 201.0 |
| 80 07 29 1100 | | | .3 | 1 | 1107 | 635.8 | 471.2 | 475 | 360 | 29.0 | 39.0 | 3.04 | 2.0 | 137 |
| 80 08 26 0940 | | | .3 | 1 | 529.2 | 168.4 | 360.8 | 540 | 105 | 41.0 | 47.5 | 0.16 | 4.8 | 181 |
| 80 09 23 1045 | | | 3 | 1 | 680.0 | 275.7 | 404.3 | 610 | 210 | 45.5 | 51.5 | 2.60 | 3.9 | 235 |
| 80 10 28 0914 | | | .3 | 1 | 455.3 | 26.2 | 429.1 | 660 | 18 | 40.0 | 56.0 | 2.20 | 1.9 | 229 |
| 80 11 24 1445 | | | 3 | 1 | 440.60 | 6.00 | 434.60 | 660.0 | 3.80 | 41.500 | 61.500 | 0.180 | 0.0 | 219.0 |
| MAXIMUM | | | | | 1107 | 635.8 | 471.2 | 680.0 | 360 | 45.5 | 61.500 | 3.04 | 13.800 | 236 |
| ARITH MEAN | | | | | 523 | 134.3 | 382.8 | 585 | 94 | 34.5 | 47.3 | 1.57 | 6.3 | 198 |
| GEOM MEAN | | | | | 496 | 66.6 | 376.0 | 565 | 43 | 32.8 | 46.6 | 1.01 | 4.7 | 190 |
| MINIMUM | | | | | 368.00 | 6.00 | 202.000 | 310.0 | 3.80 | 12.500 | 20.000 | 0.18 | 0.0 | 110.0 |
| STD DEV | | | | | 210 | 186.3 | 71.2 | 103 | 111 | 9.5 | 11.1 | 1.17 | 4.5 | 41 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

(CONTD)

| | | | | TEST-NAME: | PH | PHNOL | FEUT | HARDT | CAUR | MGUR | COLAP | KKUR | NAUR | COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | | PH | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM OX DEMAND MG/L AS O |
| 80 01 29 1020 | | .3 | 1 | | 8.14 | 1.000< | 0.390 | 313.000 | 92.500 | 19.800 | 12.000 | 2.90 | 17.400 | 13 |
| 80 02 26 1020 | | .3 | 1 | | 7.98 | 1.500 | 1.300 | | 69.000 | 13.800 | 35.000 | 4.65 | 23.400 | 33 |
| 80 03 25 0745 | | .3 | 1 | | 7.87 | 1.000< | 9.000 | | 47.500 | 7.800 | 140.000 | 4.10 | 5.400 | 36 |
| 80 04 29 1143 | | .3 | 1 | | 8.27 | | 0.930 | | 80.000 | 17.200 | 15.000 | 2.60 | 13.600 | 25 |
| 80 05 28 1000 | | .3 | 1 | | 8.25 | 1.000< | 2.290 | | 79.500 | 18.600 | 29.000 | 3.15 | 16.200 | 21 |
| 80 06 24 0800 | | .3 | 1 | | 8.16 | 1.000< | 2.380 | 252 | 71.500 | 17.800 | 45.000 | 4.00 | 25.000 | 34 |
| 80 07 29 1100 | | .3 | 1 | | 7.88 | 1.0 < | 22.8 | 246 | 76.0 | 13.6 | 205 | 7.40 | 15.1 | 47 |
| 80 08 26 0940 | | .3 | 1 | | 8.27 | 1.0 < | 4.40 | 217 | 56.0 | 18.8 | 52 | 4.30 | 26.0 | 30 |
| 80 09 23 1045 | | .3 | 1 | | 8.20 | 1.0 < | 8.60 | 284 | 83.5 | 18.2 | 106 | 12.1 | 35.5 | 34 |
| 80 10 28 0914 | | .3 | 1 | | 8.20 | 1.0 < | 0.85 | 148 | 88.0 | 20.2 | 28 | 4.40 | 21.8 | 29 |
| 80 11 24 1445 | | .3 | 1 | | 8.40 | 1.000< | 0.260 | 303.000 | 86.000 | 21.400 | 14.000 | 3.85 | 25.200 | 33 |
| MAXIMUM | | | | | 8.40 | 1.500 | 22.8 | 313.000 | 92.500 | 21.400 | 205 | 12.1 | 35.5 | 47 |
| ARITH MEAN | | | | | 8.15 | 1.0 L | 4.8 | 251 | 75.4 | 17.0 | 61 | 4.8 | 20.4 | 30 |
| GEOM MEAN | | | | | 8.15 | 1.0 L | 2.1 | 245 | 74.1 | 16.4 | 40 | 4.3 | 18.6 | 29 |
| MINIMUM | | | | | 7.87 | 1.000< | 0.260 | 148 | 47.500 | 7.800 | 12.000 | 2.60 | 5.400 | 13 |
| STD DEV | | | | | 0.17 | 0.1 L | 6.7 | 56 | 13.7 | 3.8 | 62 | 2.7 | 8.0 | 9 |
| NO OF SAMPLES | | | | | 11 | 10 | 11 | 7 | 11 | 11 | 11 | 11 | 11 | 11 |

| | | | | TEST-NAME: | MNUT |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | | MANGANSE UNF.TOT. MG/L AS MN |
| 80 01 29 1020 | | .3 | 1 | | 0.032 |
| MAXIMUM | | | | | 0.032 |
| ARITH MEAN | | | | | 0.032 |
| GEOM MEAN | | | | | |
| MINIMUM | | | | | 0.032 |
| STD DEV | | | | | |
| NO OF SAMPLES | | | | | 1 |

B.O.W./ SITE: **BIG CREEK**
SAMPLE POINT: **CONC.10 W.TILBURY TWP.W.OF STRANGFIELD**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-033-02**
STORET CODE **02**
**003**
**2870**

LAT: LONG. U T M: **17 0374740.0 4672070.0 4** REGION: **01** DISTANCE: **16.737**

| | | | | TEST-NAME: | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 28 1200 | | .3 | 1 | | 35002 | 6 | 44000 | 26000 | 900I | 300I | 4< | 0.5 | 9.5 | 1.0 |
| 80 02 25 1228 | | .3 | 1 | | 35012 | 6 | | | | | | 0.5 | 9.5 | 3.2 |
| 80 03 24 1115 | | .3 | 1 | | 35022 | 6 9 | 7000C | 105000C | 160 | 1800 | 10< | 3.0 | 10.5 | 0.8 |
| 80 04 28 1130 | | .3 | 1 | | 35032 | 6 | 6800C | 33000 | 210 | 220 | 8 | 11.5 | 7.5 | 1.6 |
| 80 05 26 1100 | | .3 | 1 | | 35043 | 5 | 570C | 6100 | 70I | 60I | 4< | 14.0 | 10.0 | 1.3 |
| 80 06 23 1015 | | .3 | 1 | | 35054 | 5 | 3600 | 16900 | 448 | 120 | 12 | 20.5 | 8.0 | 0.9 |
| 80 07 28 1130 | | .3 | 1 | | 35065 | 6 9 | 62000C | 2000000 | 9600 | 1500> | 840 | 24.0 | 7.0 | 2.8 |
| 80 08 25 1045 | | .3 | 1 | | 35076 | 6 | 25000 | 38000 | 500 | 300 | 16 | 22.0 | 6.0 | 1.0 |
| 80 09 22 1050 | | .3 | 1 | | 35087 | 6 | 5000I | 60000 | 50I | 930 | 4< | 22.0 | 5.0 | 0.8 |
| 80 10 27 1015 | | .3 | 1 | | 35098 | 6 | 15000 | 100000 | 120 | 600 | 4< | 5.0 | 5.5 | 1.0 |
| 80 11 24 1045 | | .3 | 1 | | 35108 | 6 | 330C | 4100 | 4< | 10< | 4< | 6.0 | 10.0 | 0.7 |
| MAXIMUM | | | | | | | 62000 | 2000000 | 9600 | 1800> | 840 | 24.0 | 10.5 | 3.2 |
| ARITH MEAN | | | | | | | 16930 | 238910 | 1206L | 584B | 91L | 11.7 | 8.0 | 1.4 |
| GEOM MEAN | | | | | | | 6633 | 42069 | 201L | 271B | 10L | 6.5 | 7.8 | 1.2 |
| MINIMUM | | | | | | | 330 | 4100 | 4< | 10< | 4< | 0.5 | 5.0 | 0.7 |
| STD DEV | | | | | | | 20810 | 619602 | 2962L | 628B | 263L | 9.2 | 2.0 | 0.8 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 10 | 11 | 11 | 11 |

| | | | | TEST-NAME: | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 28 1200 | | .3 | 1 | | 0.068 | 0.051 | 0.185 | 0.730 | 0.034 | 10.100 | 10.319 | 0.545 | 10.864 | 780.0 |
| 80 02 25 1228 | | .3 | 1 | | 0.335 | 0.170 | 0.540 | 1.950 | 0.081 | 5.220 | 5.841 | 1.410 | 7.251 | 416.0 |
| 80 03 24 1115 | | .3 | 1 | | 0.305 | 0.095 | 0.070 | 2.150 | 0.044 | 10.400 | 10.514 | 2.080 | 12.594 | 488.0 |
| 80 04 28 1130 | | .3 | 1 | | 0.044 | 0.009 | 0.080 | 0.580 | 0.050 | 5.850 | 5.980 | 0.500 | 6.480 | 534.0 |
| 80 05 26 1100 | | .3 | 1 | | 0.035 | 0.003 | 0.020 | 0.890 | 0.092 | 14.700 | 14.812 | 0.870 | 15.682 | 536.0 |
| 80 06 23 1015 | | .3 | 1 | | 0.087 | 0.010 | 0.020 | 0.810 | 0.220 | 7.100 | 7.340 | 0.790 | 8.130 | 524.0 |
| 80 07 28 1130 | | .3 | 1 | | 1.040 | 0.114 | 0.060 | 5.100 | 0.041 | 1.900 | 2.001 | 5.040 | 7.041 | 1390.4 |
| 80 08 25 1045 | | .3 | 1 | | 0.042 | 0.004 | 0.010 | 0.92 | 0.003 | 0.03 | 0.043 | 0.910 | 0.953 | 542.3 |
| 80 09 22 1050 | | .3 | 1 | | 0.059 | 0.034 | 0.025 | 0.68 | 0.005 | 0.04 | 0.070 | 0.655 | 0.725 | 522.8 |
| 80 10 27 1015 | | .3 | 1 | | 0.030 | 0.008 | 0.005 | 0.72 | 0.017 | 0.55 | 0.572 | 0.715 | 1.287 | 578.6 |
| 80 11 24 1045 | | .3 | 1 | | 0.023 | 0.001 | 0.015 | 0.630 | 0.003 | 0.110 | 0.128 | 0.615 | 0.743 | 564.3 |
| MAXIMUM | | | | | 1.040 | 0.170 | 0.540 | 5.100 | 0.220 | 14.700 | 14.812 | 5.040 | 15.682 | 1390.4 |
| ARITH MEAN | | | | | 0.188 | 0.045 | 0.094 | 1.37 | 0.064 | 5.09 | 5.238 | 1.285 | 6.523 | 625.1 |
| GEOM MEAN | | | | | 0.085 | 0.017 | 0.038 | 1.05 | 0.026 | 1.41 | 1.606 | 0.971 | 3.965 | 590.7 |
| MINIMUM | | | | | 0.023 | 0.001 | 0.005 | 0.580 | 0.003 | 0.03 | 0.043 | 0.500 | 0.725 | 416.0 |
| STD DEV | | | | | 0.303 | 0.057 | 0.157 | 1.34 | 0.063 | 5.06 | 5.125 | 1.328 | 5.181 | 268.7 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

(CONTD)

B O W / SITE **BIG CREEK**
SAMPLE POINT **CONC.10 W.TILBURY TWP.W.OF STRANGFIELD**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ERIE**
TERM STREAM **THAMES RIVER**

STATION ID: **04-0013-033-02**
STORET CODE: **02**
**003**
**2870**

LAT
LONG
U T M **17 0374740.0 4672070.0 4**
REGION: **01**
DISTANCE: **16.737**

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 28 1200 | | | .3 | 1 | 1.0 | 779.0 | 1040.0 | 7.80 | 48.000 | 7.83 |
| 80 02 25 1228 | | | .3 | 1 | 21.0 | 395.0 | 469.0 | 115.00 | 29.000 | 7.67 |
| 80 03 24 1115 | | | .3 | 1 | 76.0 | 412.0 | 419.0 | 160.00 | 17.500 | 7.45 |
| 80 04 28 1130 | | | .3 | 1 | 15.0 | 519.0 | 760.0 | 18.00 | 40.000 | 7.98 |
| 80 05 26 1100 | | | .3 | 1 | 7.0 | 529.0 | 740.0 | 7.70 | 38.500 | 8.31 |
| 80 06 23 1015 | | | .3 | 1 | 10.0 | 514.0 | 720.0 | 17.00 | 30.500 | 8.16 |
| 80 07 28 1130 | | | .3 | 1 | 1033.6 | 169.000 | 260.0 | 700.00 | 21.000 | 7.78 |
| 80 08 25 1045 | | | .3 | 1 | 5.8 | 536.5 | 650 | 5.7 | 44.0 | 7.92 |
| 80 09 22 1050 | | | .3 | 1 | 7.3 | 515.5 | 695 | 7.1 | 38.5 | 7.93 |
| 80 10 27 1015 | | | .3 | 1 | 3.3 | 575.3 | 800 | 5.1 | 51.5 | 8.00 |
| 80 11 24 1045 | | | .3 | 1 | 10.4 | 553.9 | 770.0 | 6.60 | 46.500 | 8.08 |
| **MAXIMUM** | | | | | **1033.6** | **779.0** | **1040.0** | **700.00** | **51.5** | **8.31** |
| **ARITH MEAN** | | | | | **108.2** | **499.8** | **665** | **95.4** | **36.8** | **7.92** |
| **GEOM MEAN** | | | | | **13.4** | **473.2** | **628** | **20.8** | **35.0** | **7.92** |
| **MINIMUM** | | | | | **1.0** | **169.000** | **260.0** | **5.1** | **17.500** | **7.45** |
| **STD DEV** | | | | | **307.8** | **147.5** | **212** | **207.2** | **11.0** | **0.24** |
| **NO OF SAMPLES** | | | | | **11** | **11** | **11** | **11** | **11** | **11** |

B O W / SITE **DINGMAN CREEK**
SAMPLE POINT **AT WELLINGTON ROAD**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ERIE**
TERM STREAM **THAMES RIVER**

STATION ID: **04-0013-037-02**
STORET CODE: **02**
**003**
**2870**

LAT
LONG
U T M **17 0483050.0 4750850.0 4**
REGION: **01**
DISTANCE: **208.726**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 23 1050 | | | .3 | 1 | 33013 | 6 | 1800 | 3100 | 80I | 440 | 4< | 0.0 | 16.0 | 1.5 |
| 80 02 19 1045 | | | .3 | 1 | 33034 | 6 | 7100 | 6300 | 20I | 20I | 4< | 0.0 | 10.5 | 0.8 |
| 80 03 19 1030 | | | .3 | 1 | 33052 | 6 3 | 12000 | 73000 | 1230 | 530 | | 1.0 | 10.5 | 4.0 |
| 80 04 22 1025 | | | .3 | 1 | 33074 | 6 | 660C | 5600 | 130 | 40I | 4< | 11.0 | 9.5 | 1.5 |
| 80 05 20 1030 | | | .3 | 1 | 33096 | 6 | 4500 | 23000 | 440 | 224 | 4< | 14.0 | 7.0 | 1.7 |
| 80 06 18 1030 | | | .3 | 1 | 33118 | 6 | 10000 | 45000 | 790 | 780 | 4 | 17.0 | 2.0 | 2.1 |
| 80 07 23 1000 | | | .3 | 1 | 33140 | 3 | 760000C | 4000000 | | | | 20.0 | 6.5 | 2.2 |
| 80 08 20 1010 | | | .3 | 1 | 33162 | 6 | 4400C | | 1800 | 100< | 10< | 22.0 | 6.5 | 2.4 |
| 80 09 17 1030 | | | .3 | 1 | 33184 | 6 8 | 360000> | 460000 | 2800 | 1400 | 400 | 16.0 | 8.0 | 6.0 |
| 80 10 22 1030 | | | .3 | 1 | 33207 | 6 8 | 2000I | 24000 | 700I | 2900 | 4< | 8.0 | 9.0 | 1.5 |
| 80 11 19 1030 | | | .3 | 1 | 33229 | 6 8 | 650C | 3000 | 120 | 70I | 4< | 1.0 | 12.0 | 1.2 |
| 80 12 17 1035 | | | .3 | 1 | 33248 | 6 8 | 3900 | 6000 | 136 | 60 | 4< | 0.0 | 11.5 | 1.0 |
| **MAXIMUM** | | | | | | | **760000>** | **4000000** | **2800** | **2900** | **400** | **22.0** | **16.0** | **6.0** |
| **ARITH MEAN** | | | | | | | **97251G** | **422836** | **750** | **597L** | **44L** | **9.2** | **9.1** | **2.2** |
| **GEOM MEAN** | | | | | | | **7419G** | **27413** | **330** | **219L** | **7L** | **4.8** | **8.2** | **1.8** |
| **MINIMUM** | | | | | | | **650** | **3000** | **20** | **20<** | **4<** | **0.0** | **2.0** | **0.8** |
| **STD DEV** | | | | | | | **232392G** | **1193957** | **882** | **872L** | **125L** | **8.6** | **3.6** | **1.5** |
| **NO OF SAMPLES** | | | | | | | **12** | **11** | **11** | **11** | **10** | **12** | **12** | **12** |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 23 1050 | | | .3 | 1 | 0.054 | 0.025 | 0.090 | 0.690 | 0.023 | 6.300 | 6.413 | 0.600 | 7.013 | 444.0 |
| 80 02 19 1045 | | | .3 | 1 | 0.060 | 0.024 | 0.135 | 0.700 | 0.018 | 2.580 | 2.733 | 0.565 | 3.298 | 494.0 |
| 80 03 19 1030 | | | .3 | 1 | 0.276 | 0.119 | 0.480 | 1.940 | 0.043 | 3.510 | 4.033 | 1.460 | 5.493 | 348.0 |
| 80 04 22 1025 | | | .3 | 1 | 0.052 | 0.011 | 0.025 | 0.760 | 0.021 | 3.200 | 3.246 | 0.735 | 3.981 | 434.0 |
| 80 05 20 1030 | | | .3 | 1 | 0.060 | 0.009 | 0.040 | 1.060 | 0.040 | 3.910 | 3.990 | 1.020 | 5.010 | 462.0 |
| 80 06 18 1030 | | | .3 | 1 | 0.205 | 0.050 | 0.018 | 1.400 | 0.050 | 1.400 | 1.468 | 1.382 | 2.850 | 572.0 |
| 80 07 23 1000 | | | .3 | 1 | 1.32 | 0.127 | 0.135 | 3.90 | 0.120 | 5.3 | 5.555 | 3.765 | 9.320 | 983 |
| 80 08 20 1010 | | | .3 | 1 | 0.108 | 0.026 | 0.035 | 1.070 | 0.026 | 1.580 | 1.641 | 1.035 | 2.676 | 537.1 |
| 80 09 17 1030 | | | .3 | 1 | 0.240 | 0.041 | 0.120 | 0.98 | 0.035 | 0.70 | 0.855 | 0.860 | 1.715 | 231.0 |
| 80 10 22 1030 | | | .3 | 1 | 0.075 | 0.039 | 0.025 | 0.84 | 0.039 | 5.7 | 5.764 | 0.815 | 6.579 | 505.4 |
| 80 11 19 1030 | | | .3 | 1 | 0.035 | 0.011 | 0.005 | 0.75 | 0.015 | 2.38 | 2.400 | 0.745 | 3.145 | 496.3 |
| 80 12 17 1035 | | | .3 | 1 | 0.056 | 0.024 | 0.115 | 0.850 | 0.026 | 4.700 | 4.841 | 0.735 | 5.576 | 500.8 |
| **MAXIMUM** | | | | | **1.32** | **0.127** | **0.480** | **3.90** | **0.120** | **6.300** | **6.413** | **3.765** | **9.320** | **983** |
| **ARITH MEAN** | | | | | **0.21** | **0.042** | **0.102** | **1.24** | **0.038** | **3.4** | **3.578** | **1.143** | **4.721** | **500** |
| **GEOM MEAN** | | | | | **0.10** | **0.030** | **0.056** | **1.07** | **0.032** | **2.9** | **3.070** | **0.978** | **4.259** | **475** |
| **MINIMUM** | | | | | **0.035** | **0.009** | **0.005** | **0.690** | **0.015** | **0.70** | **0.855** | **0.585** | **1.715** | **231.0** |
| **STD DEV** | | | | | **0.35** | **0.040** | **0.129** | **0.90** | **0.028** | **1.7** | **1.822** | **0.872** | **2.196** | **176** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | P1PCBT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PCB TOTAL UG/L |
| 80 01 23 1050 | | | .3 | 1 | 9.5 | 434.5 | 695.0 | 8.20 | 40.000 | 7.99 | 0.020R |
| 80 02 19 1045 | | | .3 | 1 | 21.0 | 473.0 | 755.0 | 6.60 | 59.000 | 7.85 | 0.020R |
| 80 03 19 1030 | | | .3 | 1 | 71.0 | 277.0 | 418.0 | 59.00 | 31.500 | 7.52 | 0.020R |
| 80 04 22 1025 | | | .3 | 1 | 15.5 | 418.5 | 640.0 | 12.00 | 45.500 | 8.01 | 0.020R |
| 80 05 20 1030 | | | .3 | 1 | 12.0 | 450.0 | 695.0 | 5.00 | 54.000 | 8.02 | 0.020R |
| 80 06 18 1030 | | | .3 | 1 | 63.0 | 509.0 | 685.0 | 40.00 | 45.500 | 8.03 | 0.020R |
| 80 07 23 1000 | | | .3 | 1 | 717.7 | 265.3 | 384 | 650 | 36.0 | 7.81 | 0.020R |
| 80 08 20 1010 | | | .3 | 1 | 40.2 | 496.9 | 690.0 | 23.00 | 43.000 | 8.11 | 0.020R |
| 80 09 17 1030 | | | .3 | 1 | 126.9 | 79 | 121 | 120 | 6.5 | 8.16 | 0.020R |
| 80 10 22 1030 | | | .3 | 1 | 10.3 | 495.1 | 740 | 9.8 | 44.5 | 7.94 | |
| 80 11 19 1030 | | | .3 | 1 | 5.4 | 490.9 | 755 | 5.1 | 48.5 | 8.10 | |
| 80 12 17 1035 | | | .3 | 1 | 27.7 | 473.1 | 800.0 | 7.50 | 47.000 | 7.87 | 0.020R |

(CONTD)

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | P1PCBT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PCB TOTAL UG/L |
| MAXIMUM | | | | | 717.7 | 609.0 | 800.0 | 650 | 59.000 | 8.16 | |
| ARITH MEAN | | | | | 93.3 | 408 | 614 | 78 | 41.7 | 7.95 | |
| GEOM MEAN | | | | | 31.4 | 369 | 560 | 20 | 37.7 | 7.95 | |
| MINIMUM | | | | | 5.4 | 79 | 121 | 5.00 | 6.5 | 7.52 | |
| STD DEV | | | | | 199.8 | 131 | 202 | 183 | 13.2 | 0.17 | |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | |

B.O.W./ SITE: **THAMES RIVER**
SAMPLE POINT: **AT COUNTY ROAD 48 WOODSTOCK**
STATION TYPE: **RIVER FLOW GAUGE FED 02GD012**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-038-02**
STORET CODE: **02**
**003**
**2870**

LAT: LONG: U T M: **17 0518850.0 4776700.0 4** REGION: **01** DISTANCE: **261.028**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 01 23 1520 | | | .3 | 1 | 33019 | 6 | 1.450 | 180C | 1880 | 24 | 180 | 4< | 0.0 | 12.0 |
| 80 02 19 1250 | | | .3 | 1 | 33040 | 6 | 0.640 | 24 | 1160 | 4< | 4 | 4< | 0.0 | 11.5 |
| 80 03 19 1215 | | | .3 | 1 | 33058 | 6 3 | 21.600 | 7200C | | 600> | 600> | | 1.0 | 10.5 |
| 80 04 22 1355 | | | .3 | 1 | 33080 | 6 | 4.430 | 150 | 820 | 40I | 20I | 4< | 9.0 | 10.0 |
| 80 05 20 1410 | | | .3 | 1 | 33102 | 6 | 1.920 | 220 | 990 | 4< | 4< | 4< | 18.0 | 8.5 |
| 80 06 18 1435 | | | .3 | 1 | 33124 | 6 | 1.480 | 500I | 14200 | 10< | 10< | 4< | 18.5 | 11.0 |
| 80 07 23 1255 | | | .3 | 1 | 33146 | 6 8 | 0.529 | 70C | 12100 | 16 | 44 | 4< | 26.0 | 15.0 |
| 80 08 20 1310 | | | .3 | 1 | 33168 | 6 8 | 2.220 | 12000 | 40000 | 16 | 16 | 16 | 24.0 | 7.5 |
| 80 09 17 1220 | | | .3 | 1 | 33190 | 6 8 | 1.480 | 1900C | 83000 | 144 | 124 | 4< | 17.0 | 8.0 |
| 80 10 22 1315 | | | .3 | 1 | 33213 | 6 8 | 1.220 | 3300 | 9800 | 610 | 250 | 4< | 7.0 | 11.0 |
| 80 11 19 1225 | | | .3 | 1 | 33235 | 6 8 | 0.685 | 130 | 320 | 10< | 10< | 4 | 3.0 | 14.0 |
| 80 12 17 1230 | | | .3 | 1 | 33253 | 6 8 | 1.300 | 140 | 2200 | 16 | 36 | 4< | 0.0 | 12.0 |
| MAXIMUM | | | | | | | 21.600 | 12000 | 83000 | 610> | 600> | 16 | 26.0 | 15.0 |
| ARITH MEAN | | | | | | | 3.248 | 2151 | 15134 | 1248 | 1088 | 5L | 10.3 | 10.9 |
| GEOM MEAN | | | | | | | 1.672 | 438 | 4189 | 298 | 348 | 5L | 5.4 | 10.7 |
| MINIMUM | | | | | | | 0.529 | 24 | 320 | 4< | 4< | 4< | 0.0 | 7.5 |
| STD DEV | | | | | | | 5.871 | 3756 | 25348 | 2288 | 1748 | 4L | 9.9 | 2.3 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 11 | 12 | 12 | 11 | 12 | 12 |

| TEST-NAME: | | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 01 23 1520 | | | .3 | 1 | 0.4 | 0.060 | 0.025 | 0.265 | 0.730 | 0.027 | 5.900 | 6.192 | 0.465 | 6.657 |
| 80 02 19 1250 | | | .3 | 1 | 0.7 | 0.038 | 0.009 | 0.250 | 0.650 | 0.018 | 4.100 | 4.368 | 0.400 | 4.768 |
| 80 03 19 1215 | | | .3 | 1 | 6.2 | 0.550 | 0.270 | 1.380 | 3.300 | 0.043 | 1.460 | 2.883 | 1.920 | 4.803 |
| 80 04 22 1355 | | | .3 | 1 | 1.8 | 0.126 | 0.055 | 0.235 | 0.840 | 0.031 | 5.700 | 5.966 | 0.605 | 6.571 |
| 80 05 20 1410 | | | .3 | 1 | 3.7 | 0.054 | 0.004 | 0.060 | 1.100 | 0.055 | 3.790 | 3.905 | 1.040 | 4.945 |
| 80 06 18 1435 | | | .3 | 1 | 2.0 | 0.078 | 0.001 | 0.075 | 1.460 | 0.088 | 2.200 | 2.363 | 1.385 | 3.748 |
| 80 07 23 1255 | | | .3 | 1 | 2.5 | 0.065 | 0.001 | 0.030 | 1.030 | 0.086 | 0.850 | 0.966 | 1.000 | 1.966 |
| 80 08 20 1310 | | | .3 | 1 | 2.6 | 0.092 | 0.002 | 0.140 | 1.29 | 0.050 | 0.48 | 0.670 | 1.150 | 1.820 |
| 80 09 17 1220 | | | .3 | 1 | 3.6 | 0.182 | 0.007 | 0.290 | 1.76 | 0.018 | 0.13 | 0.438 | 1.470 | 1.908 |
| 80 10 22 1315 | | | .3 | 1 | 5.2 | 0.182 | 0.004 | 0.275 | 1.82 | 0.044 | 2.16 | 2.479 | 1.545 | 4.024 |
| 80 11 19 1225 | | | .3 | 1 | 4.0 | 0.094 | 0.001 | 0.010 | 1.16 | 0.027 | 3.57 | 3.607 | 1.150 | 4.757 |
| 80 12 17 1230 | | | .3 | 1 | 1.3 | 0.065 | 0.032 | 0.280 | 0.800 | 0.048 | 10.600 | 10.928 | 0.520 | 11.448 |
| MAXIMUM | | | | | 6.2 | 0.550 | 0.270 | 1.380 | 3.300 | 0.088 | 10.600 | 10.928 | 1.920 | 11.448 |
| ARITH MEAN | | | | | 2.8 | 0.132 | 0.034 | 0.274 | 1.32 | 0.045 | 3.41 | 3.730 | 1.054 | 4.785 |
| GEOM MEAN | | | | | 2.2 | 0.098 | 0.007 | 0.146 | 1.19 | 0.039 | 2.09 | 2.648 | 0.942 | 4.172 |
| MINIMUM | | | | | 0.4 | 0.038 | 0.001 | 0.010 | 0.650 | 0.018 | 0.13 | 0.438 | 0.400 | 1.820 |
| STD DEV | | | | | 1.8 | 0.140 | 0.076 | 0.364 | 0.72 | 0.023 | 2.96 | 2.944 | 0.482 | 2.659 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 23 1520 | | | .3 | 1 | 440.0 | 7.0 | 433.0 | 680.0 | 5.70 | 27.000 | 8.04 |
| 80 02 19 1250 | | | .3 | 1 | 592.0 | 6.5 | 585.5 | 850.0 | 2.90 | 36.000 | 7.90 |
| 80 03 19 1215 | | | .3 | 1 | 190.0 | 69.0 | 126.000 | 194.0 | 51.00 | 12.000 | 7.28 |
| 80 04 22 1355 | | | .3 | 1 | 350.0 | 17.5 | 332.5 | 540.0 | 21.00 | 21.500 | 8.19 |
| 80 05 20 1410 | | | .3 | 1 | 378.0 | 8.5 | 369.5 | 535.0 | 4.00 | 29.500 | 8.31 |
| 80 06 18 1435 | | | .3 | 1 | 434.0 | 15.0 | 419.0 | 570.0 | 9.10 | 29.500 | 8.37 |
| 80 07 23 1255 | | | .3 | 1 | 400.0 | 18.8 | 381.2 | 484.0 | 8.50 | 33.500 | 8.97 |
| 80 08 20 1310 | | | .3 | 1 | 437.2 | 22.2 | 415.0 | 520 | 8.4 | 29.5 | 8.20 |
| 80 09 17 1220 | | | .3 | 1 | 408.8 | 35.1 | 373.7 | 515 | 18 | 32.0 | 8.00 |
| 80 10 22 1315 | | | .3 | 1 | 537.4 | 34.7 | 502.7 | 725 | 19 | 37.5 | 8.19 |
| 80 11 19 1225 | | | .3 | 1 | 555.5 | 29.1 | 526.4 | 770 | 10 | 40.5 | 8.16 |
| 80 12 17 1230 | | | .3 | 1 | 525.4 | 28.1 | 497.3 | 822.0 | 3.50 | 39.500 | 7.99 |
| MAXIMUM | | | | | 592.0 | 69.0 | 585.5 | 850.0 | 51.00 | 40.5 | 8.97 |
| ARITH MEAN | | | | | 437.4 | 24.3 | 413.4 | 600 | 13 | 30.6 | 8.13 |
| GEOM MEAN | | | | | 422.0 | 19.4 | 391.0 | 566 | 9 | 29.3 | 8.12 |
| MINIMUM | | | | | 190.0 | 6.5 | 126.000 | 194.0 | 2.90 | 12.000 | 7.28 |
| STD DEV | | | | | 108.8 | 17.3 | 117.3 | 181 | 13 | 8.0 | 0.38 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./SITE: **THAMES RIVER**
SAMPLE POINT: **AT PEMBERTON STREET INGERSOLL**
STATION TYPE: **RIVER FLOW GAUGE FED 02GD016**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-039-02**
STORET CODE: **02**
**003**
**2870**

LAT
LONG
U T M **17 0510000.0 4765650.0 4**
REGION **01**
DISTANCE **245.257**

| TEST-NAME: | | | | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP YR | DTE MO | DY | HOUR LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 | 01 | 23 | 1450 | | | .3 | 1 | 33017 | 6 | 4.670 | 16600> | 21000 | 496 | 176 | 4 | 0.0 | 12.5 |
| 80 | 02 | 19 | 1220 | | | .3 | 1 | 33038 | 6 | 1.900 | 100I | 2600 | 10< | 10I | 4< | 0.0 | 17.0 |
| 80 | 03 | 19 | 1150 | | | .3 | 1 | 33056 | 6 3 | 36.700 | 10400C | 124000 | 1500> | 600> | | 1.0 | 10.0 |
| 80 | 04 | 22 | 1250 | | | .3 | 1 | 33078 | 6 | 7.410 | 1700 | 6400 | 210 | 80I | 4 | 11.0 | 12.5 |
| 80 | 05 | 20 | 1235 | | | .3 | 1 | 33100 | 6 | 5.260 | 3700 | 20000 | 220 | 44 | 4< | 16.0 | 12.5 |
| 80 | 06 | 18 | 1155 | | | .3 | 1 | 33122 | 9 8 | 2.300 | 1800C | 31000 | 150 | 70I | 4< | 18.0 | 10.0 |
| 80 | 07 | 23 | 1130 | | | .3 | 1 | 33144 | 9 7 | 1.520 | 4000C | 67000 | 1250 | 740 | 16 | 23.0 | 6.5 |
| 80 | 08 | 20 | 1150 | | | .3 | 1 | 33166 | 9 8 | 3.440 | 22000 | 43000 | 120 | 60I | 4< | 24.0 | 7.5 |
| 80 | 09 | 17 | 1155 | | | .3 | 1 | 33188 | 6 8 | 2.910 | 2200C | 46000 | 310 | 324 | 4< | 16.0 | 8.0 |
| 80 | 10 | 22 | 1145 | | | .3 | 1 | 33211 | 6 8 | 4.000 | 1600 | 13800 | 250 | 30I | 4< | 7.0 | 10.0 |
| 80 | 11 | 19 | 1200 | | | .3 | 1 | 33233 | 6 8 | 2.040 | 350C | 4500 | 20I | 10< | 4< | 2.0 | 15.5 |
| 80 | 12 | 17 | 1155 | | | .3 | 1 | 33252 | 6 8 | 3.400 | 17500C | 25400 | 600> | 232 | 4 | 0.0 | 13.0 |
| MAXIMUM | | | | | | | | | | **36.700** | **22000>** | **124000** | **1500>** | **740>** | **16** | **24.0** | **17.0** |
| ARITH MEAN | | | | | | | | | | **6.296** | **6829G** | **33725** | **428B** | **198B** | **5L** | **9.8** | **11.2** |
| GEOM MEAN | | | | | | | | | | **3.898** | **2911G** | **20533** | **210B** | **89B** | **5L** | **5.2** | **10.8** |
| MINIMUM | | | | | | | | | | **1.520** | **100** | **2600** | **10<** | **10<** | **4<** | **0.0** | **6.5** |
| STD DEV | | | | | | | | | | **9.718** | **7732G** | **34228** | **478B** | **242B** | **4L** | **9.3** | **3.2** |
| NO OF SAMPLES | | | | | | | | | | **12** | **12** | **12** | **12** | **12** | **11** | **12** | **12** |

| TEST-NAME: | | | | | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP YR | DTE MO | DY | HOUR LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 | 01 | 23 | 1450 | | | .3 | 1 | 1.2 | 0.091 | 0.059 | 0.200 | 0.660 | 0.046 | 5.800 | 6.046 | 0.460 | 6.506 |
| 80 | 02 | 19 | 1220 | | | .3 | 1 | 2.0 | 0.033 | 0.004 | 0.060 | 0.500 | 0.134 | 5.420 | 5.614 | 0.440 | 6.054 |
| 80 | 03 | 19 | 1150 | | | .3 | 1 | 9.6 | 0.480 | 0.245 | 1.180 | 2.680 | 0.046 | 1.620 | 2.846 | 1.500 | 4.346 |
| 80 | 04 | 22 | 1250 | | | .3 | 1 | 2.5 | 0.072 | 0.010 | 0.025 | 0.860 | 0.062 | 5.100 | 5.187 | 0.835 | 6.022 |
| 80 | 05 | 20 | 1235 | | | .3 | 1 | 2.2 | 0.066 | 0.007 | 0.040 | 0.920 | 0.038 | 4.060 | 4.138 | 0.880 | 5.018 |
| 80 | 06 | 18 | 1155 | | | .3 | 1 | 0.7 | 0.110 | 0.007 | 0.045 | 1.010 | 0.074 | 3.800 | 3.919 | 0.965 | 4.884 |
| 80 | 07 | 23 | 1130 | | | .3 | 1 | 2.4 | 0.222 | 0.035 | 0.125 | 1.38 | 0.092 | 2.5 | 2.717 | 1.255 | 3.972 |
| 80 | 08 | 20 | 1150 | | | .3 | 1 | 2.8 | 0.148 | 0.015 | 0.030 | 1.10 | 0.079 | 1.69 | 1.799 | 1.070 | 2.869 |
| 80 | 09 | 17 | 1155 | | | .3 | 1 | 2.2 | 0.128 | 0.014 | 0.100 | 1.24 | 0.037 | 2.0 | 2.137 | 1.140 | 3.277 |
| 80 | 10 | 22 | 1145 | | | .3 | 1 | 3.1 | 0.100 | 0.006 | 0.070 | 0.94 | 0.037 | 4.1 | 4.207 | 0.870 | 5.077 |
| 80 | 11 | 19 | 1200 | | | .3 | 1 | 2.8 | 0.095 | 0.001 | 0.025 | 0.62 | 0.032 | 4.67 | 4.727 | 0.595 | 5.322 |
| 80 | 12 | 17 | 1155 | | | .3 | 1 | 1.4 | 0.068 | 0.033 | 0.195 | 0.730 | 0.094 | 8.900 | 9.189 | 0.535 | 9.724 |
| MAXIMUM | | | | | | | | **9.6** | **0.480** | **0.245** | **1.180** | **2.680** | **0.134** | **8.900** | **9.189** | **1.500** | **9.724** |
| ARITH MEAN | | | | | | | | **2.7** | **0.134** | **0.036** | **0.175** | **1.05** | **0.064** | **4.1** | **4.377** | **0.879** | **5.256** |
| GEOM MEAN | | | | | | | | **2.2** | **0.108** | **0.014** | **0.081** | **0.95** | **0.058** | **3.6** | **3.974** | **0.819** | **5.006** |
| MINIMUM | | | | | | | | **0.7** | **0.033** | **0.001** | **0.025** | **0.500** | **0.032** | **1.620** | **1.799** | **0.440** | **2.869** |
| STD DEV | | | | | | | | **2.3** | **0.119** | **0.068** | **0.323** | **0.57** | **0.031** | **2.0** | **2.030** | **0.331** | **1.788** |
| NO OF SAMPLES | | | | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | SIO3UR | ACDT | ALKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP YR | DTE MO | DY | HOUR LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | SILICATE UNF.REAC MG/L AS SI | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 |
| 80 | 01 | 23 | 1450 | | | .3 | 1 | 454.00 | 4.50 | 449.50 | 750.0 | 3.90 | 48.500 | 73.000 | 3.240 | 0.000 | 234 |
| 80 | 02 | 19 | 1220 | | | .3 | 1 | 560.00 | 15.00 | 545.00 | 865.0 | 1.90 | 66.000 | 128.000 | 2.020 | 0.000 | 209.0 |
| 80 | 03 | 19 | 1150 | | | .3 | 1 | 208.00 | 62.00 | 155.000 | 238.0 | 46.00 | 16.000 | 17.000 | 1.220 | 0.000 | 65.8 |
| 80 | 04 | 22 | 1250 | | | .3 | 1 | 434.00 | 16.00 | 418.00 | 620.0 | 8.20 | 36.000 | 48.500 | 1.620 | 0.000 | 205.0 |
| 80 | 05 | 20 | 1235 | | | .3 | 1 | 462.00 | 11.00 | 451.00 | 645.0 | 5.00 | 42.000 | 51.500 | 1.260 | 0.000 | 220.0 |
| 80 | 06 | 18 | 1155 | | | .3 | 1 | 540.00 | 14.00 | 526.00 | 730.0 | 8.80 | 56.500 | 75.000 | 1.760 | 0.000 | 202.0 |
| 80 | 07 | 23 | 1130 | | | .3 | 1 | 588 | 61.2 | 526.8 | 900 | 30 | 56.0 | 76.5 | 3.10 | 0.0 | 203 |
| 80 | 08 | 20 | 1150 | | | .3 | 1 | 537.8 | 45.6 | 492.2 | 640 | 15 | 47.0 | 72.5 | 1.78 | 4.8 | 177 |
| 80 | 09 | 17 | 1155 | | | .3 | 1 | 489.0 | 23.9 | 465.1 | 690 | 14 | 55.0 | 89.5 | 1.90 | 3.9 | 176 |
| 80 | 10 | 22 | 1145 | | | .3 | 1 | 551.3 | 11.3 | 540.0 | 795 | 6.5 | 53.5 | 91.5 | | 3.9 | 237 |
| 80 | 11 | 19 | 1200 | | | .3 | 1 | 572.4 | 13.1 | 559.3 | 845 | 3.4 | 68.5 | 91.5 | | 1.9 | 238 |
| 80 | 12 | 17 | 1155 | | | .3 | 1 | 589.40 | 13.80 | 575.60 | 935.0 | 0.90 | 64.000 | 96.000 | 3.860 | 13.600 | 281.0 |
| MAXIMUM | | | | | | | | **589.40** | **62.00** | **575.60** | **935.0** | **46.00** | **68.5** | **128.000** | **3.860** | **13.600** | **281.0** |
| ARITH MEAN | | | | | | | | **498** | **24.2** | **475.2** | **721** | **11** | **50.7** | **75.8** | **2.17** | **2.3** | **204** |
| GEOM MEAN | | | | | | | | **483** | **18.2** | **455.1** | **688** | **7** | **47.9** | **69.1** | **2.02** | **1.8** | **194** |
| MINIMUM | | | | | | | | **208.00** | **4.50** | **155.000** | **238.0** | **0.90** | **16.000** | **17.000** | **1.220** | **0.000** | **65.8** |
| STD DEV | | | | | | | | **105** | **20.1** | **112.3** | **185** | **13** | **14.5** | **28.0** | **0.90** | **4.0** | **52** |
| NO OF SAMPLES | | | | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **10** | **12** | **12** |

| TEST-NAME: | | | | | | | | PH | FEUT | HARDT | CAUR | MGUR | COLAP | KKUR | NAUR | COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP YR | DTE MO | DY | HOUR LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O |
| 80 | 01 | 23 | 1450 | | | .3 | 1 | 8.34 | 0.240 | 331.000 | 96.000 | 22.000 | 24.000 | 2.90 | 24.800 | 27 |
| 80 | 02 | 19 | 1220 | | | .3 | 1 | 8.30 | 0.100 | | 95.500 | 29.400 | 8.000 | 4.05 | 40.000 | 16 |
| 80 | 03 | 19 | 1150 | | | .3 | 1 | 8.62 | 3.060 | | 27.000 | 2.400 | 85.000 | 6.40 | 8.300 | 40 |
| 80 | 04 | 22 | 1250 | | | .3 | 1 | 8.46 | 0.580 | | 86.000 | 17.600 | 32.000 | 3.00 | 17.200 | 33 |
| 80 | 05 | 20 | 1235 | | | .3 | 1 | 8.48 | 0.350 | | 83.500 | 20.400 | 40.000 | 2.90 | 19.900 | 26 |
| 80 | 06 | 18 | 1155 | | | .3 | 1 | 8.34 | 0.730 | 294.000 | 80.000 | 22.800 | 20.000 | 3.85 | 31.000 | 51 |
| 80 | 07 | 23 | 1130 | | | .3 | 1 | 8.30 | 1.62 | 293 | 80.0 | 22.6 | 33 | 4.30 | 27.0 | 24 |
| 80 | 08 | 20 | 1150 | | | .3 | 1 | 8.19 | 0.99 | 282 | 76.0 | 22.4 | 40 | 4.25 | 25.5 | 28.9 |
| 80 | 09 | 17 | 1155 | | | .3 | 1 | 8.14 | 0.70 | 288 | 75 | 24.4 | 24 | 4.15 | 34 | 38 |
| 80 | 10 | 22 | 1145 | | | .3 | 1 | 8.12 | 0.49 | 294 | 99 | 19.8 | 48 | 4.90 | 30.0 | 35 |
| 80 | 11 | 19 | 1200 | | | .3 | 1 | 8.20 | 0.20 | 343 | 93.0 | 26.8 | 16 | 3.80 | 38.0 | 23 |
| 80 | 12 | 17 | 1155 | | | .3 | 1 | 8.25 | 0.290 | 424.000 | 126.000 | 26.400 | 17.000 | 4.50 | 34.200 | 26 |
| MAXIMUM | | | | | | | | **8.62** | **3.060** | **424.000** | **126.000** | **29.400** | **85.000** | **6.40** | **40.000** | **51** |
| ARITH MEAN | | | | | | | | **8.31** | **0.77** | **318** | **84** | **21.4** | **32** | **4.08** | **27** | **30** |
| GEOM MEAN | | | | | | | | **8.31** | **0.51** | **315** | **80** | **18.9** | **27** | **3.98** | **25** | **29** |
| MINIMUM | | | | | | | | **8.12** | **0.100** | **282** | **27.000** | **2.400** | **8.000** | **2.90** | **8.300** | **16** |
| STD DEV | | | | | | | | **0.16** | **0.83** | **47** | **22** | **6.8** | **20** | **0.97** | **9** | **9** |
| NO OF SAMPLES | | | | | | | | **12** | **12** | **8** | **12** | **12** | **12** | **12** | **12** | **12** |

B.O.W./ SITE: **MIDDLE THAMES RIVER**
SAMPLE POINT: **AT 2ND.CONC.RD.SOUTH OF THAMESFORD**
STATION TYPE: **RIVER FLOW GAUGE FED 02GD004**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-041-02**
STORET CODE: **02**
**003**
**2670**

LAT: LONG: U T M: **17 0500000.0 4764125.0 4** REGION: **01** DISTANCE: **238.786**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 02 19 1500 | | | .3 | 1 | 33042 | 6 | 1.030 | 50I | 500 | 4< | 4 | 4< | 0.0 | 13.0 |
| 80 03 19 1415 | | | .3 | 1 | 33060 | 6 3 | 18.500 | 2600 | 120000 | 600> | 600> | | 1.0 | 10.5 |
| 80 04 22 1445 | | | .3 | 1 | 33082 | 6 | 3.040 | 40I | 2000 | 10< | 10< | 4< | 13.0 | 11.5 |
| 80 05 20 1455 | | | .3 | 1 | 33104 | 6 | 4.690 | 1000 | 5500 | 104 | 24 | 4< | 17.0 | 11.5 |
| 80 06 18 1420 | | | .3 | 1 | 33126 | 9 6 | 0.772 | 300C | 80000 | 120 | 30I | 4< | 20.0 | 13.0 |
| 80 07 23 1340 | | | .3 | 1 | 33148 | 5 8 | 0.784 | 1000C | 38000 | 188 | 28 | 4< | 25.0 | 11.0 |
| 80 08 20 1400 | | | .3 | 1 | 33170 | 5 9 | 0.409 | 2300 | 23000 | 96 | 16 | 4< | 26.0 | 11.5 |
| 80 09 17 1400 | | | .3 | 1 | 33192 | 6 8 | 0.579 | 1700C | 29400 | 148 | 164 | 4 | 16.0 | 11.0 |
| 80 10 22 1400 | | | .3 | 1 | 33215 | 6 8 | 1.140 | 3000 | 6800 | 100 | 520 | 4< | 7.0 | 12.5 |
| 80 11 19 1415 | | | .3 | 1 | 33237 | 6 8 | 0.848 | 60I | 1070 | 10< | 30I | 4< | 3.0 | 16.5 |
| MAXIMUM | | | | | | | 18.500 | 3000 | 120000 | 600> | 600> | 4 | 26.0 | 16.5 |
| ARITH MEAN | | | | | | | 3.179 | 1205 | 30827 | 1388 | 1438 | 4L | 12.8 | 12.2 |
| GEOM MEAN | | | | | | | 1.437 | 606 | 9987 | 628 | 438 | 4L | 7.9 | 12.1 |
| MINIMUM | | | | | | | 0.409 | 40 | 500 | 4< | 4< | 4< | 0.0 | 10.5 |
| STD DEV | | | | | | | 5.550 | 1131 | 39915 | 1748 | 2268 | 0L | 9.8 | 1.7 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 10 | 9 | 10 | 10 |

| TEST-NAME: | | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 02 19 1500 | | | .3 | 1 | 0.6 | 0.017 | 0.008 | 0.095 | 0.390 | 0.014 | 5.490 | 5.599 | 0.295 | 5.894 |
| 80 03 19 1415 | | | .3 | 1 | 8.2 | 0.420 | 0.260 | 1.120 | 2.840 | 0.037 | 2.160 | 3.317 | 1.720 | 5.037 |
| 80 04 22 1445 | | | .3 | 1 | 1.4 | 0.022 | 0.008 | 0.035 | 0.550 | 0.024 | 5.300 | 5.359 | 0.515 | 5.874 |
| 80 05 20 1455 | | | .3 | 1 | 1.2 | 0.024 | 0.002 | 0.025 | 0.680 | 0.037 | 6.010 | 6.072 | 0.655 | 6.727 |
| 80 06 18 1420 | | | .3 | 1 | 0.9 | 0.031 | 0.005< | 0.005 | 0.590 | 0.033 | 2.700 | 2.738 | 0.585 | 3.323 |
| 80 07 23 1340 | | | .3 | 1 | 0.9 | 0.057 | 0.018 | 0.045 | 0.870 | 0.095 | 2.800 | 2.940 | 0.825 | 3.765 |
| 80 08 20 1400 | | | .3 | 1 | 1.1 | 0.026 | 0.003 | 0.025 | 0.55 | 0.027 | 1.9 | 1.952 | 0.525 | 2.477 |
| 80 09 17 1400 | | | .3 | 1 | 1.0 | 0.032 | 0.009 | 0.120 | 0.70 | 0.062 | 2.2 | 2.382 | 0.580 | 2.962 |
| 80 10 22 1400 | | | .3 | 1 | 1.3 | 0.023 | 0.008 | 0.130 | 0.66 | 0.042 | 6.0 | 6.172 | 0.530 | 6.702 |
| 80 11 19 1415 | | | .3 | 1 | 1.3 | 0.020 | 0.006 | 0.125 | 0.55 | 0.025 | 3.63 | 3.780 | 0.425 | 4.205 |
| MAXIMUM | | | | | 8.2 | 0.420 | 0.260 | 1.120 | 2.840 | 0.095 | 6.010 | 6.172 | 1.720 | 6.727 |
| ARITH MEAN | | | | | 1.8 | 0.067 | 0.033L | 0.172 | 0.83 | 0.040 | 3.8 | 4.031 | 0.665 | 4.697 |
| GEOM MEAN | | | | | 1.3 | 0.035 | 0.009L | 0.063 | 0.70 | 0.035 | 3.4 | 3.735 | 0.596 | 4.448 |
| MINIMUM | | | | | 0.6 | 0.017 | 0.002< | 0.005 | 0.390 | 0.014 | 1.9 | 1.962 | 0.295 | 2.477 |
| STD DEV | | | | | 2.3 | 0.124 | 0.080L | 0.336 | 0.71 | 0.023 | 1.6 | 1.614 | 0.396 | 1.664 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 02 19 1500 | | | .3 | 1 | 444.0 | 1.0 | 443.0 | 675.0 | 1.00 | 23.500 | 8.15 |
| 80 03 19 1415 | | | .3 | 1 | 194.0 | 34.0 | 160.000 | 246.0 | 24.00 | 9.000 | 7.45 |
| 80 04 22 1445 | | | .3 | 1 | 372.0 | 1.0 | 371.0 | 590.0 | 1.80 | 20.500 | 8.43 |
| 80 05 20 1455 | | | .3 | 1 | 426.0 | 3.5 | 422.5 | 595.0 | 1.60 | 21.000 | 8.52 |
| 80 06 18 1420 | | | .3 | 1 | 382.0 | 1.0 | 381.0 | 560.0 | 1.50 | 25.000 | 8.57 |
| 80 07 23 1340 | | | .3 | 1 | 462.0 | 8.2 | 453.8 | 570.0 | 2.40 | 27.500 | 8.51 |
| 80 08 20 1400 | | | .3 | 1 | 453.9 | 6.3 | 447.6 | 580 | 1.6 | 28.5 | 8.36 |
| 80 09 17 1400 | | | .3 | 1 | 387.8 | 2.9 | 384.9 | 605 | 1.3 | 31.5 | 8.36 |
| 80 10 22 1400 | | | .3 | 1 | 479.2 | 0.7 | 478.5 | 735 | 0.95 | 31.5 | 8.28 |
| 80 11 19 1415 | | | .3 | 1 | 423.4 | 6.0 | 417.4 | 675 | 1.3 | 30.5 | 8.21 |
| MAXIMUM | | | | | 479.2 | 34.0 | 478.5 | 735 | 24.00 | 31.5 | 8.57 |
| ARITH MEAN | | | | | 402.4 | 6.5 | 395.9 | 583 | 3.7 | 24.8 | 8.29 |
| GEOM MEAN | | | | | 392.2 | 3.1 | 381.9 | 563 | 1.9 | 23.6 | 8.28 |
| MINIMUM | | | | | 194.0 | 0.7 | 160.000 | 246.0 | 0.95 | 9.000 | 7.45 |
| STD DEV | | | | | 81.5 | 10.0 | 89.9 | 131 | 7.1 | 6.8 | 0.32 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

B.O.W./ SITE: **THAMES RIVER**
SAMPLE POINT: **AT FIRST BRIDGE DOWNSTREAM OF INGERSOLL**
STATION TYPE: **RIVER FLOW GAUGE FED 02GD016**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-042-02**
STORET CODE: **02**
**003**
**2670**

LAT: LONG: U T M: **17 0502875.0 4762650.0 4** REGION: **01** DISTANCE: **238.786**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 01 23 1415 | | | .3 | 1 | 33016 | 6 | 4.670 | 12700C | 22100 | 456 | 164 | 4< | 0.0 | 12.5 |
| 80 02 19 1200 | | | .3 | 1 | 33037 | 6 | 1.900 | 6500 | 13500 | 110 | 120 | 4< | 0.0 | 12.5 |
| 80 03 19 1135 | | | .3 | 1 | 33055 | 6 3 | 36.700 | 13800C | 163000 | 1500> | 1500> | | 1.0 | 10.5 |
| 80 04 22 1225 | | | .3 | 1 | 33077 | 6 | 7.410 | 2400 | 6200 | 340 | 40I | 8 | 11.0 | 10.0 |
| 80 05 20 1220 | | | .3 | 1 | 33099 | 6 | 5.260 | 2100 | 13700 | 190 | 8 | 4< | 16.0 | 7.0 |
| 80 06 18 1135 | | | .3 | 1 | 33121 | 6 | 2.300 | 1500 | 27000 | 500I | 200I | 4< | 17.0 | 8.0 |
| 80 07 23 1105 | | | .3 | 1 | 33143 | 6 | 1.520 | 25000 | 97000 | 1500> | 1110 | 4 | 19.0 | 7.0 |
| 80 08 20 1120 | | | .3 | 1 | 33165 | 6 | 3.440 | 7000I | 50000 | 500 | 50I | 4< | 23.0 | 6.0 |
| 80 09 17 1140 | | | .3 | 1 | 33187 | 6 8 | 2.910 | 40000 | 238000 | 810 | 504 | 36 | 16.0 | 7.0 |
| 80 10 22 1130 | | | .3 | 1 | 33210 | 6 8 | 4.000 | 3100 | 12900 | 460 | 370 | 4< | 7.0 | 9.0 |
| 80 11 19 1140 | | | .3 | 1 | 33232 | 6 8 | 2.040 | 500C | 3200 | 10I | 10< | 4< | 2.0 | 12.5 |
| 80 12 17 1140 | | | .3 | 1 | 33251 | 0 | 3.400 | 23400> | 33000 | 600> | 280 | 4 | 0.0 | 12.0 |
| MAXIMUM | | | | | | | 36.700 | 40000> | 238000 | 1500> | 1500> | 36 | 23.0 | 12.5 |
| ARITH MEAN | | | | | | | 6.296 | 11500G | 56633 | 581G | 3638 | 7L | 9.3 | 9.5 |
| GEOM MEAN | | | | | | | 3.898 | 6002G | 27362 | 356G | 1408 | 6L | 5.1 | 9.2 |
| MINIMUM | | | | | | | 1.520 | 500 | 3200 | 10 | 8< | 4< | 0.0 | 6.0 |
| STD DEV | | | | | | | 9.718 | 12250G | 73562 | 481G | 4728 | 10L | 8.6 | 2.5 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 12 | 11 | 12 | 12 |

(CONTD)

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

| | | | |
|---|---|---|---|
| B.O.W./SITE: **THAMES RIVER** | | STATION ID: **04-0013-042-02** | |
| SAMPLE POINT: **AT FIRST BRIDGE DOWNSTREAM OF INGERSOLL** | MAJOR BASIN: **GREAT LAKES** | STORET CODE: **02**<br>**003**<br>**2870** | |
| STATION TYPE: **RIVER FLOW GAUGE FED 02GD016** | MINOR BASIN: **LAKE ERIE** | | |
| | TERM STREAM: **THAMES RIVER** | | |
| LAT: | LONG: | U.T.M.: **17 0502875.0 4762650.0 4** | REGION: **01** | DISTANCE: **239.786** |

| TEST-NAME: | | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 01 23 1415 | | | 3 | 1 | 0.8 | 0.085 | 0.050 | 0.200 | 0.610 | 0.041 | 6.200 | 6.441 | 0.410 | 6.851 |
| 80 02 19 1200 | | | 3 | 1 | 1.2 | 0.040 | 0.007 | 0.275 | 0.730 | 0.114 | 5.240 | 5.629 | 0.455 | 6.084 |
| 80 03 19 1135 | | | 3 | 1 | 8.8 | 0.510 | 0.240 | 1.280 | 3.040 | 0.044 | 1.720 | 3.044 | 1.760 | 4.804 |
| 80 04 22 1225 | | | 3 | 1 | 2.4 | 0.150 | 0.011 | 0.095 | 1.030 | 0.062 | 5.000 | 5.157 | 0.935 | 6.092 |
| 80 05 20 1220 | | | 3 | 1 | 2.1 | 0.077 | 0.008 | 0.125 | 1.000 | 0.049 | 4.050 | 4.224 | 0.875 | 5.099 |
| 80 06 18 1135 | | | 3 | 1 | 2.0 | 0.119 | 0.014 | 0.100 | 1.260 | 0.121 | 3.200 | 3.421 | 1.160 | 4.581 |
| 80 07 23 1105 | | | 3 | 1 | 2.0 | 0.222 | 0.049 | 0.100 | 1.34 | 0.092 | 2.8 | 2.992 | 1.240 | 4.232 |
| 80 08 20 1120 | | | 3 | 1 | 2.8 | | | | | | | | | |
| 80 09 17 1140 | | | 3 | 1 | 2.0 | 0.244 | 0.105 | 0.285 | 1.74 | 0.051 | 2.0 | 2.336 | 1.455 | 3.791 |
| 80 10 22 1130 | | | 3 | 1 | 3.1 | 0.105 | 0.015 | 0.055 | 1.01 | 0.061 | 4.09 | 4.206 | 0.955 | 5.161 |
| 80 11 19 1140 | | | 3 | 1 | 1.9 | 0.072 | 0.002 | 0.010 | 0.58 | 0.023 | 5.23 | 5.263 | 0.570 | 5.833 |
| 80 12 17 1140 | | | 3 | 1 | 1.1 | 0.091 | 0.044 | 0.195 | 0.770 | 0.104 | 8.400 | 8.699 | 0.575 | 9.274 |
| MAXIMUM | | | | | **8.8** | **0.510** | **0.240** | **1.280** | **3.040** | **0.121** | **8.400** | **8.699** | **1.760** | **9.274** |
| ARITH MEAN | | | | | **2.6** | **0.156** | **0.060** | **0.247** | **1.19** | **0.069** | **4.3** | **4.674** | **0.946** | **5.618** |
| GEOM MEAN | | | | | **2.1** | **0.122** | **0.022** | **0.134** | **1.06** | **0.062** | **3.9** | **4.309** | **0.864** | **5.456** |
| MINIMUM | | | | | **0.8** | **0.040** | **0.002** | **0.010** | **0.58** | **0.023** | **1.720** | **2.336** | **0.410** | **3.791** |
| STD DEV | | | | | **2.1** | **0.133** | **0.070** | **0.353** | **0.70** | **0.033** | **1.9** | **1.837** | **0.432** | **1.612** |
| NO OF SAMPLES | | | | | 12 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | ALKT | PH | FEUT | CRUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | IRON UNF.TOT. MG/L AS FE | CHROMIUM UNF.TOT. MG/L AS CR |
| 80 01 23 1415 | | | .3 | 1 | 478.0 | 7.5 | 470.5 | 780.0 | 4.50 | 51.500 | 240 | 8.07 | 0.350 | 0.020< |
| 80 02 19 1200 | | | .3 | 1 | 602.0 | 12.5 | 589.5 | 905.0 | 5.00 | 68.000 | 225.0 | 8.13 | 0.090 | 0.020< |
| 80 03 19 1135 | | | .3 | 1 | 214.0 | 51.0 | 165.000 | 254.0 | 41.00 | 17.000 | 69.8 | 7.43 | 2.800 | 0.020< |
| 80 04 22 1225 | | | .3 | 1 | 450.0 | 17.5 | 432.5 | 655.0 | 8.00 | 38.000 | 213.0 | 8.14 | 0.780 | 0.020< |
| 80 05 20 1220 | | | .3 | 1 | 478.0 | 21.0 | 457.0 | 675.0 | 2.60 | 43.000 | 231.0 | 8.18 | 0.240 | 0.020< |
| 80 06 18 1135 | | | .3 | 1 | 488.0 | 21.0 | 467.0 | 720.0 | 10.00 | 50.500 | 206.0 | 8.09 | | |
| 80 07 23 1105 | | | .3 | 1 | 612 | 57.1 | 554.9 | 750 | 17 | 58.0 | 220 | 8.15 | 1.700 | 0.020< |
| 80 08 20 1120 | | | .3 | 1 | | | | 670 | 15.00 | 51.0 | 184 | 8.12 | 1.0 | 0.001 |
| 80 09 17 1140 | | | .3 | 1 | 462.4 | 35.1 | 427.3 | 650 | 15 | 50.0 | 178 | 7.99 | 1.15 | 0.01 < |
| 80 10 22 1130 | | | .3 | 1 | 550.0 | 14.0 | 536.0 | 800 | 5.6 | 48.5 | 245 | 8.04 | 0.51 | 0.002< |
| 80 11 19 1140 | | | .3 | 1 | 586.6 | 9.7 | 576.9 | 845 | 3.5 | 63.0 | 257 | 8.19 | | 0.002< |
| 80 12 17 1140 | | | .3 | 1 | 608.7 | 31.4 | 577.3 | 915.0 | 4.00 | 59.000 | 283.0 | 8.02 | 0.25 | 0.002< |
| MAXIMUM | | | | | **612** | **57.1** | **589.5** | **915.0** | **41.00** | **68.000** | **283.0** | **8.19** | **2.800** | **0.020** |
| ARITH MEAN | | | | | **502** | **25.3** | **477.6** | **718** | **11** | **49.7** | **212** | **8.06** | **0.8** | **0.01 L** |
| GEOM MEAN | | | | | **486** | **20.8** | **466.3** | **689** | **7** | **47.4** | **203** | **8.04** | **0.5** | **0.00 L** |
| MINIMUM | | | | | **214.0** | **7.5** | **165.000** | **254.0** | **2.60** | **17.000** | **69.8** | **7.43** | **0.090** | **0.001<** |
| STD DEV | | | | | **114** | **16.6** | **120.2** | **173** | **10** | **13.2** | **53** | **0.20** | **0.8** | **0.00 L** |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 12 | 10 | 11 |

| TEST-NAME: | | | | | CUUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 01 23 1415 | | | .3 | 1 | 0.010< | 0.010< | 0.020< |
| 80 02 19 1200 | | | .3 | 1 | 0.010< | 0.010< | 0.020< |
| 80 03 19 1135 | | | .3 | 1 | 0.010 | 0.010< | 0.02 < |
| 80 04 22 1225 | | | .3 | 1 | 0.010< | 0.010< | 0.020< |
| 80 05 20 1220 | | | .3 | 1 | 0.010< | 0.010< | 0.020< |
| 80 07 23 1105 | | | .3 | 1 | 0.01 < | 0.010< | 0.02 < |
| 80 08 20 1120 | | | .3 | 1 | 0.001< | 0.014 | 0.004 |
| 80 09 17 1140 | | | .3 | 1 | 0.002 | 0.030 | 0.01 < |
| 80 10 22 1130 | | | .3 | 1 | 0.004 | 0.007 | 0.003 |
| 80 11 19 1140 | | | .3 | 1 | 0.001 | 0.006 | 0.007 |
| 80 12 17 1140 | | | .3 | 1 | 0.003 | 0.014 | 0.003 |
| MAXIMUM | | | | | **0.01** | **0.030** | **0.02** |
| ARITH MEAN | | | | | **0.00 L** | **0.012L** | **0.01 L** |
| GEOM MEAN | | | | | **0.00 L** | **0.011L** | **0.01 L** |
| MINIMUM | | | | | **0.001<** | **0.006<** | **0.003<** |
| STD DEV | | | | | **0.00 L** | **0.008L** | **0.00 L** |
| NO OF SAMPLES | | | | | 11 | 11 | 11 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **NORTH THAMES RIVER**
SAMPLE POINT: **AT HIGHWAY 7**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-043-02**
STORET CODE: **02**
**003**
**2670**

LAT:
LONG:
U T M: **17 0483110.0 4783750.0 4**
REGION: **01**
DISTANCE: **243.326**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 21 1020 | | .3 | 1 | 33002 | 6 | 450 | 1350 | 100 | 204 | 4< | 0.0 | 13.5 | 1.1 |
| 80 02 18 1020 | | .3 | 1 | 33023 | 6 | 900 | 1900 | 124 | 64 | 4< | 0.0 | 7.5 | 0.3 |
| 80 04 21 1005 | | .3 | 1 | 33063 | 6 | 190C | 3200 | 8 | 8 | 4< | 9.5 | 11.5 | 1.3 |
| 80 05 14 0945 | | .3 | 1 | 33085 | 6 | 1400 | 4100 | 436 | 72 | 4< | 11.0 | 8.5 | 1.3 |
| 80 06 16 0950 | | .3 | 1 | 33107 | 6 8 | 2800C | 70000 | 60 | 28 | 4< | 14.0 | 9.0 | 1.6 |
| 80 07 21 1010 | | .3 | 1 | 33129 | 9 | 400C | 24000> | 296> | 132 | 4< | 24.0 | 7.5 | 1.7 |
| 80 08 18 0935 | | .3 | 1 | 33151 | 8 6 | 1200 | | 132 | 60 | 4< | 19.5 | 6.5 | 2.1 |
| 80 09 15 1020 | | .3 | 1 | 33173 | 6 8 | 1800 | 28000 | 400 | 76 | 4 | 15.0 | 9.0 | 1.7 |
| 80 10 20 1005 | | .3 | 1 | 33196 | 6 8 | 1400 | 12300 | 260 | 260 | 4 | 8.0 | 10.5 | 1.6 |
| 80 11 17 1014 | | .3 | 1 | 33218 | 6 8 | 230 | 760 | 10I | 20I | 4< | 0.0 | 12.0 | 1.5 |
| 80 12 15 1010 | | .3 | 1 | 33240 | 6 | 330 | 1800 | 28 | 104 | 4< | 0.0 | 11.0 | 0.9 |
| | | MAXIMUM | | | | 2800 | 70000> | 436> | 260 | 4 | 24.0 | 13.5 | 2.1 |
| | | ARITH MEAN | | | | 1009 | 14741G | 169G | 93 | 4L | 9.2 | 9.7 | 1.4 |
| | | GEOM MEAN | | | | 722 | 5528G | 90G | 64 | 4L | 5.2 | 9.5 | 1.3 |
| | | MINIMUM | | | | 190 | 760 | 8 | 8 | 4< | 0.0 | 6.5 | 0.3 |
| | | STD DEV | | | | 813 | 21794G | 155G | 78 | 0L | 8.5 | 2.2 | 0.5 |
| | | NO OF SAMPLES | | | | 11 | 10 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 21 1020 | | .3 | 1 | 0.074 | 0.043 | 0.200 | 0.650 | 0.040 | 5.210 | 5.450 | 0.450 | 5.900 | 384.0 |
| 80 02 18 1020 | | .3 | 1 | 0.071 | 0.044 | 0.885 | | 0.048 | 4.850 | 5.783 | | | 486.0 |
| 80 04 21 1005 | | .3 | 1 | 0.028 | 0.013 | 0.035 | 0.490 | 0.029 | 4.820 | 4.884 | 0.455 | 5.339 | 340.0 |
| 80 05 14 0945 | | .3 | 1 | 0.029 | 0.002 | 0.010 | 0.700 | 0.023 | 3.000 | 3.033 | 0.690 | 3.723 | 332.0 |
| 80 06 16 0950 | | .3 | 1 | 0.032 | 0.004 | 0.010 | 0.510 | 0.031 | 2.200 | 2.241 | 0.500 | 2.741 | 322.0 |
| 80 07 21 1010 | | .3 | 1 | 0.098 | 0.008 | 0.010 | 0.820 | 0.011 | 1.100 | 1.121 | 0.810 | 1.931 | 395.0 |
| 80 08 18 0935 | | .3 | 1 | 0.065 | 0.006 | 0.015 | 0.760 | 0.011 | 0.960 | 0.986 | 0.745 | 1.731 | 365.7 |
| 80 09 15 1020 | | .3 | 1 | 0.088 | 0.006 | 0.015 | 0.92 | 0.012 | 0.75 | 0.777 | 0.905 | 1.682 | 424 |
| 80 10 20 1005 | | .3 | 1 | 0.069 | 0.007 | 0.025 | 0.88 | 0.035 | 4.9 | 4.960 | 0.855 | 5.815 | 408.8 |
| 80 11 17 1014 | | .3 | 1 | 0.041 | 0.010 | 0.165 | 0.84 | 0.037 | 4.6 | 4.802 | 0.675 | 5.477 | 444.0 |
| 80 12 15 1010 | | .3 | 1 | 0.051 | 0.022 | 0.115 | 0.720 | 0.033 | 10.700 | 10.848 | 0.605 | 11.453 | 434.6 |
| | | MAXIMUM | | 0.098 | 0.044 | 0.885 | 0.92 | 0.048 | 10.700 | 10.848 | 0.905 | 11.453 | 486.0 |
| | | ARITH MEAN | | 0.059 | 0.015 | 0.135 | 0.72 | 0.028 | 3.9 | 4.080 | 0.669 | 4.579 | 394 |
| | | GEOM MEAN | | 0.054 | 0.010 | 0.042 | 0.71 | 0.025 | 2.9 | 3.075 | 0.650 | 3.819 | 391 |
| | | MINIMUM | | 0.028 | 0.002 | 0.010 | 0.490 | 0.011 | 0.75 | 0.777 | 0.450 | 1.682 | 322.0 |
| | | STD DEV | | 0.024 | 0.015 | 0.258 | 0.14 | 0.013 | 2.8 | 2.937 | 0.164 | 2.973 | 51 |
| | | NO OF SAMPLES | | 11 | 11 | 11 | 10 | 11 | 11 | 11 | 10 | 10 | 11 |

| TEST-NAME: | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 21 1020 | | .3 | 1 | 1.5 | 382.5 | 580.0 | 6.50 | 19.500 | 8.21 |
| 80 02 18 1020 | | .3 | 1 | | | 780.0 | 2.50 | 44.500 | 7.92 |
| 80 04 21 1005 | | .3 | 1 | 5.5 | 334.5 | 500.0 | 4.90 | 16.500 | 8.47 |
| 80 05 14 0945 | | .3 | 1 | 0.5< | | 525.0 | 2.00 | 25.500 | 8.33 |
| 80 06 16 0950 | | .3 | 1 | 9.0 | 313.0 | 545.0 | 3.80 | 25.500 | 8.29 |
| 80 07 21 1010 | | .3 | 1 | 37.3 | 357.7 | 510.0 | 6.70 | 25.500 | 8.21 |
| 80 08 18 0935 | | .3 | 1 | 17.8 | 347.9 | 486.0 | 10.00 | 24.000 | 8.14 |
| 80 09 15 1020 | | .3 | 1 | 22.1 | 401.9 | 585 | 13 | 43.5 | 8.26 |
| 80 10 20 1005 | | .3 | 1 | 21.9 | 386.9 | 620 | 9.0 | 27.5 | 8.20 |
| 80 11 17 1014 | | .3 | 1 | 5.8 | 438.2 | 665 | 2.8 | 31.5 | 8.21 |
| 80 12 15 1010 | | .3 | 1 | 8.6 | 426.0 | 720.0 | 4.50 | 27.500 | 8.12 |
| | | MAXIMUM | | 37.3 | 438.2 | 780.0 | 13 | 44.500 | 8.47 |
| | | ARITH MEAN | | 13.0L | 376.5 | 592 | 5 | 28.2 | 8.21 |
| | | GEOM MEAN | | 7.6L | 374.4 | 585 | 5 | 27.1 | 8.21 |
| | | MINIMUM | | 0.5< | 313.0 | 486.0 | 2.00 | 16.500 | 7.92 |
| | | STD DEV | | 11.6L | 41.9 | 95 | 3 | 8.7 | 0.14 |
| | | NO OF SAMPLES | | 10 | 9 | 11 | 11 | 11 | 11 |

B.O.W./ SITE: **NORTH THAMES RIVER**
SAMPLE POINT: **AT CONCESSION ROAD 2 SOUTH OF MITCHELL**
STATION TYPE: **RIVER FLOW GAUGE FED 02GD014**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-044-02**
STORET CODE: **02**
**003**
**2870**

LAT: LONG: U T M: **17 0483200.0 4810300.0 4** REGION: **01** DISTANCE: **279.374**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 01 21 1215 | | .3 | 1 | 33006 | 6 | 1.900 | 610 | 1380 | 40 | 176 | 4< | 0.0 | 12.5 |
| 80 02 18 1205 | | .3 | 1 | 33027 | 6 | 0.320 | 670 | 2080 | 84 | 68 | 4< | 0.0 | 11.0 |
| 80 04 21 1145 | | .3 | 1 | 33067 | 6 | 3.040 | 170 | 2300 | 40 | 88 | 4< | 12.0 | 13.5 |
| 80 05 14 1115 | | .3 | 1 | 33089 | 5 | 1.200 | 3600 | 15000 | 600> | 480 | 12 | 11.5 | 9.0 |
| 80 06 16 1135 | | .3 | 1 | 33111 | 8 | 0.341 | 1300 | 15300 | 50I | 40I | 4< | 15.0 | 8.0 |
| 80 07 21 1240 | | .3 | 1 | 33133 | 8 | 0.085 | 680C | 24000> | 600> | 144 | 4< | 26.5 | 8.0 |
| 80 08 18 1110 | | .3 | 1 | 33155 | 8 | 0.055 | 1900 | | 200 | 100 | 4< | 19.0 | 5.0 |
| 80 09 15 1150 | | .3 | 1 | 33177 | 8 | 0.048 | 3300 | 25500 | 560 | 116 | 20 | 15.0 | 7.5 |
| 80 10 20 1130 | | .3 | 1 | 33200 | 6 8 | 0.890 | 17000 | 15000 | 1450 | 1010 | 4< | 8.0 | 9.5 |
| 80 11 17 1130 | | .3 | 1 | 33222 | 6 8 | 0.720 | 16000 | 20000 | 1500> | 840 | 4< | 1.0 | 11.0 |
| MAXIMUM | | | | | | 3.040 | 17000 | 25500> | 1500> | 1010 | 20 | 26.5 | 13.5 |
| ARITH MEAN | | | | | | 0.860 | 4523 | 13396G | 512G | 306 | 6L | 10.8 | 9.5 |
| GEOM MEAN | | | | | | 0.401 | 1810 | 8875G | 238G | 176 | 5L | 6.5 | 9.2 |
| MINIMUM | | | | | | 0.048 | 170 | 1380 | 40 | 40 | 4< | 0.0 | 5.0 |
| STD DEV | | | | | | 0.968 | 6419 | 9400G | 559G | 361 | 5L | 8.7 | 2.5 |
| NO OF SAMPLES | | | | | | 10 | 10 | 9 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 01 21 1215 | | .3 | 1 | 0.8 | 0.055 | 0.041 | 0.055 | 0.500 | 0.017 | 6.710 | 6.782 | 0.445 | 7.227 |
| 80 02 18 1205 | | .3 | 1 | 0.3 | 0.060 | 0.037 | 0.070 | 0.520 | 0.021 | 4.430 | 4.521 | 0.450 | 4.971 |
| 80 04 21 1145 | | .3 | 1 | 1.2 | 0.057 | 0.023 | 0.065 | 0.650 | 0.024 | 6.13 | 6.219 | 0.585 | 6.804 |
| 80 05 14 1115 | | .3 | 1 | 2.4 | 0.113 | 0.045 | 0.150 | 1.110 | 0.058 | 3.440 | 3.648 | 0.960 | 4.608 |
| 80 06 16 1135 | | .3 | 1 | 1.8 | 0.029 | 0.004 | 0.010 | 0.670 | 0.034 | 1.670 | 1.714 | 0.660 | 2.374 |
| 80 07 21 1240 | | .3 | 1 | 2.3 | 0.072 | 0.002 | 0.025 | 0.850 | 0.015 | 0.160 | 0.200 | 0.825 | 1.025 |
| 80 08 18 1110 | | .3 | 1 | 2.8 | 0.085 | 0.002 | 0.005 | 0.990 | 0.001 | 0.010< | 0.016 | 0.985 | 1.001 |
| 80 09 15 1150 | | .3 | 1 | 1.0 | 0.039 | 0.006 | 0.015 | 0.49 | 0.003 | 0.04 | 0.058 | 0.475 | 0.533 |
| 80 10 20 1130 | | .3 | 1 | 4.8 | 0.103 | 0.006 | 0.005 | 1.14 | 0.054 | 4.1 | 4.159 | 1.135 | 5.294 |
| 80 11 17 1130 | | .3 | 1 | 2.3 | 0.64 | 0.530 | 1.65 | 2.90 | 0.032 | 5.62 | 7.302 | 1.250 | 8.552 |
| MAXIMUM | | | | 4.8 | 0.64 | 0.530 | 1.65 | 2.90 | 0.058 | 6.710 | 7.302 | 1.250 | 8.552 |
| ARITH MEAN | | | | 2.0 | 0.12 | 0.070 | 0.20 | 0.98 | 0.026 | 3.2 L | 3.462 | 0.777 | 4.239 |
| GEOM MEAN | | | | 1.6 | 0.07 | 0.015 | 0.03 | 0.83 | 0.016 | 1.0 L | 1.210 | 0.726 | 3.035 |
| MINIMUM | | | | 0.3 | 0.029 | 0.002 | 0.005 | 0.49 | 0.001 | 0.010< | 0.016 | 0.445 | 0.533 |
| STD DEV | | | | 1.3 | 0.18 | 0.163 | 0.51 | 0.71 | 0.019 | 2.6 L | 2.832 | 0.296 | 2.886 |
| NO OF SAMPLES | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 21 1215 | | .3 | 1 | 370.0 | 3.5 | 366.5 | 615.0 | 4.40 | 16.000 | 8.16 |
| 80 02 18 1205 | | .3 | 1 | 422.0 | | | 670.0 | 3.40 | 19.500 | 7.99 |
| 80 04 21 1145 | | .3 | 1 | 332.0 | 10.5 | 321.5 | 555.0 | 5.00 | 15.000 | 8.46 |
| 80 05 14 1115 | | .3 | 1 | 330.0 | 9.5 | 320.5 | 550.0 | 6.40 | 19.500 | 8.23 |
| 80 06 16 1135 | | .3 | 1 | 308.0 | 7.0 | 301.0 | 530.0 | 2.10 | 20.000 | 8.24 |
| 80 07 21 1240 | | .3 | 1 | 330.0 | 10.2 | 319.8 | 495.0 | 1.50 | 19.000 | 8.28 |
| 80 08 18 1110 | | .3 | 1 | 322.4 | 9.1 | 313.3 | 472.0 | 5.20 | 19.000 | 8.04 |
| 80 09 15 1150 | | .3 | 1 | 305.0 | 4.8 | 300.2 | 492 | 3.3 | 19.5 | 8.02 |
| 80 10 20 1130 | | .3 | 1 | 423.0 | 7.4 | 415.6 | 635 | 6.9 | 36.0 | 8.16 |
| 80 11 17 1130 | | .3 | 1 | 522.6 | 3.5 | 519.1 | 810 | 2.3 | 47.0 | 8.03 |
| MAXIMUM | | | | 522.6 | 10.5 | 519.1 | 810 | 6.9 | 47.0 | 8.46 |
| ARITH MEAN | | | | 366.5 | 7.3 | 353.1 | 582 | 4.0 | 23.0 | 8.16 |
| GEOM MEAN | | | | 361.2 | 6.7 | 347.4 | 574 | 3.6 | 21.5 | 8.16 |
| MINIMUM | | | | 305.0 | 3.5 | 300.2 | 472.0 | 1.50 | 15.000 | 7.99 |
| STD DEV | | | | 69.6 | 2.8 | 72.4 | 103 | 1.8 | 10.1 | 0.15 |
| NO OF SAMPLES | | | | 10 | 9 | 9 | 10 | 10 | 10 | 10 |

B.O.W./ SITE: **NORTH THAMES RIVER**
SAMPLE POINT: **1.4 MILES DOWNSTREAM OF ST MARYS**
STATION TYPE: **RIVER FLOW GAUGE FED 02GD005**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-045-02**
STORET CODE: **02**
**003**
**2870**

LAT: LONG: U T M: **17 0486200.0 4787100.0 4** REGION: **01** DISTANCE: **251.051**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 01 21 1130 | | .3 | 1 | 33005 | 6 | 8.000 | 1700 | 2300 | 244 | 152 | 4< | 0.0 | 14.0 |
| 80 02 18 1125 | | .3 | 1 | 33026 | 6 | 1.700 | 1000 | 6600 | 68 | 80 | 4< | 0.0 | 8.0 |
| 80 03 17 1345 | | .3 | 1 | 33046 | 6 3 | 10.000 | 13400C | 21000 | 600> | 600> | 84 | 0.0 | 12.5 |
| 80 04 21 1115 | | .3 | 1 | 33066 | 6 | 15.000 | 270 | 2000 | 30I | 10< | 4< | 11.5 | 11.0 |
| 80 05 14 1040 | | .3 | 1 | 33088 | 6 | 11.200 | 2400 | 10000 | 544 | 364 | 4 | 11.5 | 10.0 |
| 80 06 16 1100 | | .3 | 1 | 33110 | 8 | 4.110 | 280C | 4100 | 120 | 10> | 4< | 18.0 | 14.0 |
| 80 07 21 1205 | | .3 | 1 | 33132 | 5 | 2.430 | 12400C | 240000> | 204 | 600> | 92 | 26.0 | 8.5 |
| 80 08 18 1035 | | .3 | 1 | 33154 | 6 8 | 2.880 | 900C | | 280 | 90I | 8 | 21.0 | 7.0 |
| 80 09 15 1115 | | .3 | 1 | 33176 | 6 8 | 2.810 | 1700C | 35000 | 290 | 72 | 4< | 17.0 | 9.5 |
| 80 10 20 1100 | | .3 | 1 | 33199 | 6 8 | 6.700 | 4600 | 8100 | 280 | 180 | 4 | 8.0 | 9.5 |
| 80 11 17 1105 | | .3 | 1 | 33221 | 6 | 4.750 | 530 | 1000 | 130 | 40I | 4< | 0.0 | 14.0 |
| 80 12 15 1120 | | .3 | 1 | 33243 | 6 | 5.960 | 670C | 4200 | 60 | 184 | 4< | 0.0 | 11.0 |
| MAXIMUM | | | | | | 15.000 | 13400 | 240000> | 600> | 600> | 92 | 26.0 | 14.0 |
| ARITH MEAN | | | | | | 6.295 | 3321 | 30391G | 237G | 198G | 18L | 9.4 | 10.7 |
| GEOM MEAN | | | | | | 5.163 | 1498 | 7899G | 173G | 103G | 7L | 4.9 | 10.5 |
| MINIMUM | | | | | | 1.700 | 270 | 1000 | 30 | 10< | 4< | 0.0 | 7.0 |
| STD DEV | | | | | | 4.087 | 4636 | 70257G | 181G | 211G | 33L | 9.5 | 2.4 |
| NO OF SAMPLES | | | | | | 12 | 12 | 11 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 01 21 1130 | | | .3 | 1 | 1.3 | 0.056 | 0.041 | 0.280 | 0.680 | 0.038 | 5.010 | 5.328 | 0.400 | 5.728 |
| 80 02 18 1125 | | | .3 | 1 | 0.3 | 0.065 | 0.048 | 0.935 | 1.390 | 0.039 | 4.660 | 5.634 | 0.455 | 6.089 |
| 80 03 17 1345 | | | .3 | 1 | 5.0 | 0.236 | 0.063 | 0.625 | 1.900 | 0.040 | 3.540 | 4.205 | 1.275 | 5.480 |
| 80 04 21 1115 | | | .3 | 1 | 1.7 | 0.037 | 0.010 | 0.140 | 0.710 | 0.032 | 5.020 | 5.192 | 0.570 | 5.762 |
| 80 05 14 1040 | | | .3 | 1 | 2.2 | 0.041 | 0.004 | 0.065 | 0.830 | 0.052 | 3.100 | 3.217 | 0.765 | 3.982 |
| 80 06 16 1100 | | | .3 | 1 | 1.8 | 0.032 | 0.001 | 0.005 | 0.690 | 0.069 | 2.000 | 2.074 | 0.685 | 2.759 |
| 80 07 21 1205 | | | .3 | 1 | 2.4 | 0.119 | 0.003 | 0.005 | 0.910 | 0.058 | 1.130 | 1.193 | 0.905 | 2.098 |
| 80 08 18 1035 | | | .3 | 1 | 3.2 | 0.087 | 0.005 | 0.090 | 0.920 | 0.035 | 0.740 | 0.865 | 0.830 | 1.695 |
| 80 09 15 1115 | | | .3 | 1 | 1.4 | 0.092 | 0.016 | 0.120 | 0.98 | 0.033 | 0.72 | 0.873 | 0.860 | 1.733 |
| 80 10 20 1100 | | | .3 | 1 | 2.5 | 0.042 | 0.004 | 0.090 | 0.78 | 0.046 | 5.3 | 5.436 | 0.690 | 6.126 |
| 80 11 17 1105 | | | .3 | 1 | 1.5 | 0.053 | 0.021 | 0.275 | 0.88 | 0.039 | 4.6 | 4.914 | 0.605 | 5.519 |
| 80 12 15 1120 | | | .3 | 1 | 0.9 | 0.051 | 0.026 | 0.190 | 0.700 | 0.033 | 10.100 | 10.323 | 0.510 | 10.833 |
| MAXIMUM | | | | | 5.0 | 0.236 | 0.063 | 0.935 | 1.900 | 0.069 | 10.100 | 10.323 | 1.275 | 10.833 |
| ARITH MEAN | | | | | 2.0 | 0.076 | 0.020 | 0.235 | 0.94 | 0.043 | 3.8 | 4.104 | 0.712 | 4.817 |
| GEOM MEAN | | | | | 1.7 | 0.064 | 0.011 | 0.106 | 0.90 | 0.042 | 2.9 | 3.184 | 0.679 | 4.168 |
| MINIMUM | | | | | 0.3 | 0.032 | 0.001 | 0.005 | 0.680 | 0.032 | 0.72 | 0.865 | 0.400 | 1.695 |
| STD DEV | | | | | 1.2 | 0.067 | 0.020 | 0.277 | 0.36 | 0.011 | 2.6 | 2.704 | 0.239 | 2.590 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 21 1130 | | | .3 | 1 | 404.0 | 4.5 | 399.5 | 585.0 | 6.70 | 20.000 | 8.23 |
| 80 02 18 1125 | | | .3 | 1 | 500.0 | | | 785.0 | 1.70 | 43.500 | 8.00 |
| 80 03 17 1345 | | | .3 | 1 | 522.0 | 81.0 | 441.0 | 715.0 | 42.00 | 65.500 | 8.00 |
| 80 04 21 1115 | | | .3 | 1 | 344.0 | 7.5 | 336.5 | 530.0 | 4.50 | 18.000 | 8.43 |
| 80 05 14 1040 | | | .3 | 1 | 372.0 | 4.0 | 368.0 | 610.0 | 2.80 | 33.000 | 8.28 |
| 80 06 16 1100 | | | .3 | 1 | 348.0 | 5.0 | 343.0 | 540.0 | 2.30 | 26.000 | 8.57 |
| 80 07 21 1205 | | | .3 | 1 | 405.0 | 9.1 | 395.9 | 510.0 | 9.50 | 29.500 | 8.38 |
| 80 08 18 1035 | | | .3 | 1 | 380.0 | 20.8 | 359.2 | 473.0 | 12.00 | 21.000 | 8.21 |
| 80 09 15 1115 | | | .3 | 1 | 409.4 | 14.9 | 394.5 | 575 | 11 | 42.0 | 8.45 |
| 80 10 20 1100 | | | .3 | 1 | 403.1 | 8.0 | 395.1 | 630 | 5.0 | 30.0 | 8.26 |
| 80 11 17 1105 | | | .3 | 1 | 455.2 | 4.1 | 451.1 | 680 | 2.7 | 33.5 | 8.34 |
| 80 12 15 1120 | | | .3 | 1 | 434.3 | 19.1 | 415.2 | 700.0 | 4.00 | 26.500 | 8.07 |
| MAXIMUM | | | | | 522.0 | 81.0 | 451.1 | 785.0 | 42.00 | 65.500 | 8.57 |
| ARITH MEAN | | | | | 414.7 | 16.2 | 390.8 | 611 | 8 | 32.3 | 8.27 |
| GEOM MEAN | | | | | 411.6 | 10.0 | 389.2 | 604 | 5 | 30.3 | 8.27 |
| MINIMUM | | | | | 344.0 | 4.0 | 336.5 | 473.0 | 1.70 | 18.000 | 8.00 |
| STD DEV | | | | | 55.3 | 22.3 | 36.9 | 93 | 11 | 13.1 | 0.18 |
| NO OF SAMPLES | | | | | 12 | 11 | 11 | 12 | 12 | 12 | 12 |

B.O.W./ SITE: **TILBURY CREEK**
SAMPLE POINT: **AT HIGHWAY 2 WEST OF TILBURY**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-046-02**
STORET CODE: **02**
**003**
**2070**

LAT: LONG: U T M: **17 0380450.0 4679850.0 4** REGION: **01** DISTANCE: **9.012**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 28 1245 | | | .3 | 1 | 35003 | 6 9 | 360000> | 400000 | 4200 | 400I | 4< | 3.0 | 7.5 | 3.2 |
| 80 02 25 1310 | | | .3 | 1 | 35013 | 6 | | | | | | 1.5 | 10.0 | 4.2 |
| 80 03 24 1155 | | | .3 | 1 | 35023 | 6 | 8000I | 34000 | 500I | 4800 | 4 | 2.5 | 3.5 | 0.2 |
| 80 05 26 1230 | | | .3 | 1 | 35044 | 9 6 | 60000 | 220000 | 1140 | 1300 | 4< | 21.0 | 9.0 | 4.2 |
| 80 06 23 1105 | | | .3 | 1 | 35055 | 6 | 23000 | 73000 | 820 | 200 | 4< | 22.0 | 8.5 | 1.8 |
| 80 07 28 1215 | | | .3 | 1 | 35066 | 0 | 72000 | 210000 | 1500> | 1500> | | 23.0 | 5.5 | 9.6 |
| 80 08 25 1100 | | | .3 | 1 | 35077 | 6 | 16000 | 16000 | 2500 | 310 | 70I | 25.0 | 4.5 | 3.8 |
| 80 09 22 1130 | | | .3 | 1 | 35088 | 6 | 78000C | 280000 | 2200 | 880 | 112 | 22.0 | 4.0 | 2.0 |
| 80 10 27 1105 | | | .3 | 1 | 35099 | 6 9 | 73000 | 154000 | 1100 | 1500> | 8 | 7.0 | 7.5 | |
| 80 11 24 1115 | | | .3 | 1 | 35109 | 6 9 | 45000> | 36000 | 600> | 340 | 4< | 6.0 | 7.0 | 6.0> |
| MAXIMUM | | | | | | | 360000> | 400000 | 4200> | 4800> | 112 | 25.0 | 10.0 | 9.6> |
| ARITH MEAN | | | | | | | 81667G | 158111 | 1618G | 1248G | 26L | 13.3 | 6.7 | 3.9G |
| GEOM MEAN | | | | | | | 47247G | 101469 | 1301G | 778G | 9L | 8.8 | 6.3 | 2.7G |
| MINIMUM | | | | | | | 8000 | 16000 | 500 | 200 | 4< | 1.5 | 3.5 | 0.2 |
| STD DEV | | | | | | | 107614G | 131178 | 1184G | 1432G | 42L | 10.0 | 2.2 | 2.7G |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 8 | 10 | 10 | 9 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 28 1245 | | | .3 | 1 | 0.330 | 0.205 | 0.665 | 1.360 | 0.041 | 5.400 | 6.106 | 0.695 | 6.801 | 500.0 |
| 80 02 25 1310 | | | .3 | 1 | 0.690 | 0.390 | 0.550 | 2.250 | 0.076 | 4.370 | 4.996 | 1.700 | 6.696 | 442.0 |
| 80 03 24 1155 | | | .3 | 1 | 0.320 | 0.109 | 0.105 | 1.900 | 0.052 | 9.700 | 9.857 | 1.795 | 11.652 | 472.0 |
| 80 05 26 1230 | | | .3 | 1 | 0.510 | 0.225 | 0.820 | 2.500 | 0.205 | 11.100 | 12.125 | 1.680 | 13.805 | 656.0 |
| 80 06 23 1105 | | | .3 | 1 | 0.174 | 0.114 | 0.225 | 1.460 | 0.250 | 12.500 | 12.975 | 1.235 | 14.210 | 470.0 |
| 80 07 28 1215 | | | .3 | 1 | 0.360 | 0.078 | 0.185 | 1.700 | 0.034 | 0.360 | 0.579 | 1.515 | 2.094 | 584.2 |
| 80 08 25 1100 | | | .3 | 1 | 0.290 | 0.060 | 0.145 | 2.15 | 0.101 | 3.05 | 3.296 | 2.005 | 5.301 | 464 |
| 80 09 22 1130 | | | .3 | 1 | 0.280 | 0.080 | 0.250 | 1.80 | 0.089 | 2.8 | 3.139 | 1.550 | 4.689 | 515.2 |
| 80 11 24 1115 | | | .3 | 1 | 0.358 | 0.155 | 0.175 | 1.740 | 0.044 | 1.000 | 1.219 | 1.565 | 2.784 | 454.6 |
| MAXIMUM | | | | | 0.690 | 0.390 | 0.820 | 2.500 | 0.250 | 12.500 | 12.975 | 2.005 | 14.210 | 656.0 |
| ARITH MEAN | | | | | 0.368 | 0.157 | 0.347 | 1.87 | 0.099 | 5.5 | 6.032 | 1.527 | 7.559 | 506 |
| GEOM MEAN | | | | | 0.344 | 0.133 | 0.273 | 1.84 | 0.078 | 3.5 | 4.126 | 1.472 | 6.275 | 502 |
| MINIMUM | | | | | 0.174 | 0.060 | 0.105 | 1.360 | 0.034 | 0.360 | 0.579 | 0.695 | 2.094 | 442.0 |
| STD DEV | | | | | 0.150 | 0.104 | 0.261 | 0.37 | 0.077 | 4.4 | 4.607 | 0.376 | 4.573 | 70 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

B.O.W./ SITE: **TILBURY CREEK**
SAMPLE POINT: **AT HIGHWAY 2 WEST OF TILBURY**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-046-02**
STORET CODE: **02**
**003**
**2870**

LAT:
LONG:
U T M: **17 0380450.0 4679850.0 4**
REGION: **01**
DISTANCE: **9.012**

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 28 1245 | | | .3 | 1 | 1.0 | 499.0 | 720.0 | 5.40 | 39.500 | 7.78 |
| 80 02 25 1310 | | | .3 | 1 | 45.0 | 397.0 | 413.0 | 290.00 | 30.000 | 7.55 |
| 80 03 24 1155 | | | .3 | 1 | 41.0 | 259.000 | 399.0 | 180.00 | 17.500 | 7.50 |
| 80 05 26 1230 | | | .3 | 1 | 71.0 | 585.0 | 790.0 | 54.00 | 35.000 | 7.73 |
| 80 06 23 1105 | | | .3 | 1 | 46.0 | 424.0 | 550.0 | 84.00 | 19.000 | 7.88 |
| 80 07 28 1215 | | | .3 | 1 | 154.5 | 429.7 | 477.0 | 97.00 | 41.000 | 7.51 |
| 80 08 25 1100 | | | .3 | 1 | 585 | 405.5 | 458 | 120 | 24.5 | 7.58 |
| 80 09 22 1130 | | | .3 | 1 | 52.8 | 462.4 | 590 | 98 | 31.5 | 7.78 |
| 80 11 24 1115 | | | .3 | 1 | 7.2 | 447.4 | 660.0 | 3.90 | 36.500 | 7.60 |
| MAXIMUM | | | | | 585 | 585.0 | 790.0 | 290.00 | 41.000 | 7.88 |
| ARITH MEAN | | | | | 111 | 434.3 | 561 | 103 | 30.5 | 7.66 |
| GEOM MEAN | | | | | 39 | 425.6 | 547 | 56 | 29.3 | 7.66 |
| MINIMUM | | | | | 1.0 | 259.000 | 399.0 | 3.90 | 17.500 | 7.50 |
| STD DEV | | | | | 183 | 87.2 | 138 | 88 | 8.5 | 0.14 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 |

B.O.W./ SITE: **THAMES RIVER**
SAMPLE POINT: **AT COUNTY ROAD 16 KOMOKA**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-047-02**
STORET CODE: **02**
**003**
**2870**

LAT:
LONG:
U T M: **17 0465550.0 4753450.0 4**
REGION: **01**
DISTANCE: **104.748**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 23 1000 | | | .3 | 1 | 33011 | 6 | 30000 | 48000 | 2000 | 480 | 8 | 0.0 | 12.5 | 2.3 |
| 80 02 19 0950 | | | .3 | 1 | 33032 | 6 | 7700 | 22000 | 850 | 220 | 4< | 0.0 | 12.0 | 1.2 |
| 80 03 19 0955 | | | .3 | 1 | 33050 | 6 3 | 12600C | 10200 | 1500> | 1500> | 16 | 2.0 | 11.0 | 7.4 |
| 80 04 22 0940 | | | .3 | 1 | 33072 | 6 | 4100 | 9800 | 640 | 160 | 28 | 11.0 | 9.5 | 2.1 |
| 80 05 20 0915 | | | .3 | 1 | 33094 | 6 | 3200 | 13000 | 110 | 60I | 4< | 16.0 | 7.5 | 2.8 |
| 80 06 18 0945 | | | .3 | 1 | 33116 | 8 | 1500 | 25000 | 200I | 100I | 4< | 16.0 | 8.0 | 2.3 |
| 80 07 23 0915 | | | .3 | 1 | 33138 | 6 8 | 24000 | 210000 | 1100 | 70I | 20 | 22.5 | 6.0 | 2.1 |
| 80 08 20 0920 | | | .3 | 1 | 33160 | 6 8 | 4000C | | 300I | 10< | | 22.0 | 6.0 | 1.7 |
| 80 09 17 0945 | | | .3 | 1 | 33182 | 6 8 | 38000 | 183000 | 760 | 152 | 12 | 17.0 | 7.0 | 1.7 |
| 80 10 22 0945 | | | .3 | 1 | 33205 | 6 8 | 21000 | 44000 | 620 | 268 | 8 | 9.0 | 10.0 | 2.4 |
| 80 11 19 0950 | | | .3 | 1 | 33227 | 6 8 | 14000 | 56000 | 1380 | 410 | 4 | 2.0 | 12.0 | 2.1 |
| 80 12 17 1000 | | | .3 | 1 | 33246 | 8 6 | 11000 | 31000 | 560 | 190 | 12 | 0.0 | 12.5 | 3.3 |
| MAXIMUM | | | | | | | 38000 | 210000 | 2000> | 1500> | 28 | 22.5 | 12.5 | 7.4 |
| ARITH MEAN | | | | | | | 14258 | 69273 | 835G | 302B | 11L | 9.8 | 9.5 | 2.6 |
| GEOM MEAN | | | | | | | 9679 | 35134 | 635G | 162B | 9L | 5.5 | 9.2 | 2.3 |
| MINIMUM | | | | | | | 1500 | 9800 | 110 | 10< | 4< | 0.0 | 6.0 | 1.2 |
| STD DEV | | | | | | | 11684 | 69827 | 568G | 402B | 8L | 8.8 | 2.5 | 1.6 |
| NO OF SAMPLES | | | | | | | 12 | 11 | 12 | 12 | 11 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 23 1000 | | | .3 | 1 | 0.093 | 0.051 | 0.310 | 0.710 | 0.058 | 6.300 | 6.668 | 0.400 | 7.068 | 394.0 |
| 80 02 19 0950 | | | .3 | 1 | 0.062 | 0.022 | 0.580 | 1.090 | 0.107 | 5.990 | 6.677 | 0.510 | 7.187 | 456.0 |
| 80 03 19 0955 | | | .3 | 1 | 0.170 | 0.154 | 0.695 | 0.880 | 0.044 | 2.960 | 3.699 | 0.185 | 3.884 | 322.0 |
| 80 04 22 0940 | | | .3 | 1 | 0.075 | 0.025 | 0.145 | 0.720 | 0.056 | 5.200 | 5.401 | 0.575 | 5.976 | 376.0 |
| 80 05 20 0915 | | | .3 | 1 | 0.102 | 0.015 | 0.105 | 1.040 | 0.068 | 3.880 | 4.053 | 0.935 | 4.988 | 386.0 |
| 80 06 18 0945 | | | .3 | 1 | 0.154 | 0.065 | 0.010 | 0.920 | 0.097 | 3.900 | 4.007 | 0.910 | 4.917 | 484.0 |
| 80 07 23 0915 | | | .3 | 1 | 0.22 | 0.113 | 0.090 | 1.08 | 0.044 | 3.1 | 3.234 | 0.990 | 4.224 | 433 |
| 80 08 20 0920 | | | .3 | 1 | 0.098 | 0.023 | 0.035 | 0.850 | 0.023 | 2.100 | 2.158 | 0.815 | 2.973 | 462.2 |
| 80 09 17 0945 | | | .3 | 1 | 0.198 | 0.078 | 0.115 | 1.20 | 0.084 | 2.7 | 2.899 | 1.085 | 3.984 | 402.8 |
| 80 10 22 0945 | | | .3 | 1 | 0.108 | 0.046 | 0.045 | 0.83 | 0.032 | 3.77 | 3.847 | 0.785 | 4.632 | 412.0 |
| 80 11 19 0950 | | | .3 | 1 | 0.153 | 0.101 | 0.025 | 0.65 | 0.062 | 4.49 | 4.577 | 0.625 | 5.202 | 438.0 |
| 80 12 17 1000 | | | .3 | 1 | 0.305 | 0.057 | 0.225 | 1.190 | 0.068 | 9.100 | 9.393 | 0.965 | 10.358 | 543.2 |
| MAXIMUM | | | | | 0.305 | 0.154 | 0.695 | 1.20 | 0.107 | 9.100 | 9.393 | 1.085 | 10.358 | 543.2 |
| ARITH MEAN | | | | | 0.14 | 0.062 | 0.198 | 0.93 | 0.062 | 4.4 | 4.718 | 0.732 | 5.449 | 425 |
| GEOM MEAN | | | | | 0.13 | 0.050 | 0.106 | 0.91 | 0.057 | 4.1 | 4.369 | 0.666 | 5.166 | 422 |
| MINIMUM | | | | | 0.062 | 0.015 | 0.010 | 0.65 | 0.023 | 2.100 | 2.158 | 0.185 | 2.973 | 322.0 |
| STD DEV | | | | | 0.07 | 0.043 | 0.224 | 0.18 | 0.025 | 1.9 | 2.018 | 0.274 | 1.988 | 57 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | ALKT | PH | PHNOL | FEUT | ASUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | ARSENIC UNF.TOT. MG/L AS AS |
| 80 01 23 1000 | | | .3 | 1 | 7.5 | 386.5 | 635.0 | 5.30 | 29.500 | | 8.14 | | | |
| 80 02 19 0950 | | | .3 | 1 | 8.0 | 448.0 | 735.0 | 2.10 | 47.500 | | 8.17 | | | |
| 80 03 19 0955 | | | .3 | 1 | 73.0 | 249.000 | 383.0 | 48.00 | 23.000 | | 7.63 | | | |
| 80 04 22 0940 | | | .3 | 1 | 15.0 | 361.0 | 560.0 | 8.90 | 23.000 | | 8.12 | | | |
| 80 05 20 0915 | | | .3 | 1 | 26.0 | 360.0 | 545.0 | 3.80 | 25.000 | | 8.29 | | | |
| 80 06 18 0945 | | | .3 | 1 | 29.5 | 454.5 | 610.0 | 9.00 | 36.500 | | 8.19 | | | |
| 80 07 23 0915 | | | .3 | 1 | 34.6 | 398.4 | 540 | 9.5 | 36.0 | | 8.15 | | | |
| 80 08 20 0920 | | | .3 | 1 | 18.9 | 443.3 | 590.0 | 8.90 | 42.500 | | 8.12 | | | |
| 80 09 17 0945 | | | .3 | 1 | 38.6 | 384.2 | 555 | 28 | 35.5 | | 7.97 | | | |
| 80 10 22 0945 | | | .3 | 1 | 16.8 | 395.2 | 605 | 10 | 32.0 | 214 | 8.12 | 1.0 < | 0.61 | 0.001< |
| 80 11 19 0950 | | | .3 | 1 | 5.5 | 432.5 | 670 | 2.8 | 39.5 | 225 | 8.31 | 1.0 < | | 0.001< |
| 80 12 17 1000 | | | .3 | 1 | 44.6 | 498.6 | 725.0 | 17.00 | 35.500 | 256.0 | 8.11 | 1.000< | 0.34 | 0.001< |
| MAXIMUM | | | | | 73.0 | 498.6 | 735.0 | 48.00 | 47.500 | 256.0 | 8.31 | 1.0 | 0.61 | 0.001 |
| ARITH MEAN | | | | | 26.5 | 399.2 | 596 | 12 | 33.7 | 231 | 8.11 | 1.0 L | 0.47 | 0.001L |
| GEOM MEAN | | | | | 20.4 | 393.9 | 588 | 8 | 32.9 | 231 | 8.11 | 1.0 L | 0.46 | 0.001L |
| MINIMUM | | | | | 5.5 | 249.000 | 383.0 | 2.10 | 23.000 | 214 | 7.63 | 1.0 < | 0.34 | 0.001< |
| STD DEV | | | | | 19.4 | 64.1 | 94 | 13 | 7.8 | 21 | 0.17 | 0.0 L | 0.19 | 0.000L |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 3 | 12 | 3 | 2 | 3 |

(CONTD)

| | | | | TEST-NAME: CRUT | CUUT | PBUT | CDUT | ZNUT | NIUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 10 22 0945 | | .3 | 1 | 0.002< | 0.007 | 0.003< | 0.0002< | 0.014 | 0.005 | 0.01< |
| 80 11 19 0950 | | .3 | 1 | 0.002< | 0.004 | 0.003< | 0.0002< | 0.011 | 0.010 | 0.01< |
| 80 12 17 1000 | | .3 | 1 | 0.002 | 0.005 | 0.003< | 0.0003 | 0.008 | 0.017 | 0.01< |
| MAXIMUM | | | | 0.002 | 0.007 | 0.003 | 0.0003 | 0.014 | 0.017 | 0.01 |
| ARITH MEAN | | | | 0.002L | 0.005 | 0.003L | 0.0002L | 0.011 | 0.011 | 0.01L |
| GEOM MEAN | | | | 0.002L | 0.005 | 0.003L | 0.0002L | 0.011 | 0.009 | 0.01L |
| MINIMUM | | | | 0.002< | 0.004 | 0.003< | 0.0002< | 0.008 | 0.005 | 0.01< |
| STD DEV | | | | 0.000L | 0.002 | 0.000L | 0.0001L | 0.003 | 0.006 | 0.00L |
| NO OF SAMPLES | | | | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

B.O.W./ SITE: **MC GREGOR CREEK**
SAMPLE POINT: **AT HARWICH-HOWARD TOWNLINE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-049-02**
STORET CODE: **02**
**003**
**2870**

LAT: LONG: U T M: **17 0418950.0 4699500.0 4** REGION: **01** DISTANCE: **59.883**

| | | | | TEST-NAME: SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 28 1400 | | .3 | 1 | 35004 | 4 | 600000> | 35000 | 830 | 300I | 4< | 0.5 | 6.5 | 5.4 |
| 80 02 25 1445 | | .3 | 1 | 35014 | 6 | | | | | | 0.5 | 13.0 | 1.8 |
| 80 03 24 1330 | | .3 | 1 | 35024 | 6 | 6000I | 16000 | 1800 | 13600 | 8 | 2.0 | 10.5 | 0.2 |
| 80 05 26 1338 | | .3 | 1 | 35045 | 6 | 3300C | 48000 | 570 | 30I | 4< | 18.5 | 9.5 | 1.6 |
| 80 06 23 1200 | | .3 | 1 | 35056 | 6 | 5400C | 40000 | 710 | 244 | 4< | 21.0 | 6.5 | 0.9 |
| 80 07 28 1330 | | .3 | 1 | 35067 | 6 | 120000 | 126000 | 1500> | 1500> | | 23.0 | 5.5 | 2.8 |
| 80 08 25 1245 | | .3 | 1 | 35078 | 6 | 3300 | 14500 | 600I | 500I | 10I | 23.0 | 10.0 | 1.2 |
| 80 09 22 1330 | | .3 | 1 | 35089 | 6 | 10000 | 97000 | 1500> | 1500> | 24 | 20.0 | 7.0 | 1.6 |
| 80 10 27 1230 | | .3 | 1 | 35100 | 6 | 5300 | 11000 | 500I | 400I | 4 | 6.0 | 9.0 | 0.6 |
| 80 11 24 1300 | | .3 | 1 | 35110 | 6 | 4800 | 10800 | 830 | 150 | 4< | 6.0 | 11.5 | 3.8 |
| MAXIMUM | | | | | | 600000> | 126000 | 1800> | 13600> | 24 | 23.0 | 13.0 | 5.4 |
| ARITH MEAN | | | | | | 84233G | 44256 | 982G | 2026G | 8L | 12.0 | 8.9 | 2.0 |
| GEOM MEAN | | | | | | 12304G | 30470 | 887G | 502G | 6L | 8.1 | 8.6 | 1.4 |
| MINIMUM | | | | | | 3300 | 10800 | 500 | 30 | 4< | 0.5 | 5.5 | 0.2 |
| STD DEV | | | | | | 197099G | 41065 | 484G | 4375G | 7L | 9.8 | 2.5 | 1.6 |
| NO OF SAMPLES | | | | | | 9 | 9 | 9 | 9 | 8 | 10 | 10 | 10 |

| | | | | TEST-NAME: PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 28 1400 | | .3 | 1 | 0.055 | 0.035 | 0.050 | 0.750 | 0.015 | 6.900 | 6.965 | 0.700 | 7.665 | 662.0 |
| 80 02 25 1445 | | .3 | 1 | 0.090 | 0.052 | 0.300 | 1.020 | 0.025 | 5.080 | 5.405 | 0.720 | 6.125 | 474.0 |
| 80 03 24 1330 | | .3 | 1 | 0.260 | 0.072 | 0.175 | 1.650 | 0.038 | 6.900 | 7.113 | 1.475 | 8.588 | 530.0 |
| 80 05 26 1338 | | .3 | 1 | 0.098 | 0.030 | 0.055 | 0.920 | 0.092 | 4.000 | 4.147 | 0.865 | 5.012 | 568.0 |
| 80 06 23 1200 | | .3 | 1 | 0.092 | 0.030 | 0.030 | 0.730 | 0.077 | 5.300 | 5.407 | 0.700 | 6.107 | 574.0 |
| 80 07 28 1330 | | .3 | 1 | 0.236 | 0.068 | 0.210 | 1.480 | 0.174 | 6.000 | 6.384 | 1.270 | 7.654 | 725.5 |
| 80 08 25 1245 | | .3 | 1 | 0.060 | 0.024 | 0.030 | 0.62 | 0.020 | 1.17 | 1.220 | 0.590 | 1.810 | 603.8 |
| 80 09 22 1330 | | .3 | 1 | 0.172 | 0.049 | 0.035 | 1.08 | 0.061 | 3.8 | 3.896 | 1.045 | 4.941 | 725.2 |
| 80 10 27 1230 | | .3 | 1 | 0.050 | 0.026 | 0.020 | 0.72 | 0.025 | 6.7 | 6.745 | 0.700 | 7.445 | 638.8 |
| 80 11 24 1300 | | .3 | 1 | 0.140 | 0.007 | 0.010 | 1.440 | 0.026 | 2.900 | 2.936 | 1.430 | 4.366 | 574.5 |
| MAXIMUM | | | | 0.260 | 0.072 | 0.300 | 1.650 | 0.174 | 6.900 | 7.113 | 1.475 | 8.588 | 725.5 |
| ARITH MEAN | | | | 0.125 | 0.039 | 0.091 | 1.04 | 0.065 | 4.8 | 5.022 | 0.949 | 5.971 | 607.6 |
| GEOM MEAN | | | | 0.107 | 0.033 | 0.053 | 0.98 | 0.041 | 4.3 | 4.526 | 0.901 | 5.546 | 602.7 |
| MINIMUM | | | | 0.050 | 0.007 | 0.010 | 0.62 | 0.015 | 1.17 | 1.220 | 0.590 | 1.810 | 474.0 |
| STD DEV | | | | 0.076 | 0.021 | 0.100 | 0.36 | 0.049 | 1.9 | 1.947 | 0.332 | 2.018 | 81.2 |
| NO OF SAMPLES | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| | | | | TEST-NAME: RSP | RSF | COND25 | TURB | CLIDUR | PH | PHNOL |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PHENOLS UNF-REAC UG/L PHENOL |
| 80 01 28 1400 | | .3 | 1 | 2.5 | 659.5 | 920.0 | 5.70 | 47.000 | 7.96 | |
| 80 02 25 1445 | | .3 | 1 | 7.5 | 466.5 | 730.0 | 10.00 | 41.500 | 7.93 | |
| 80 03 24 1330 | | .3 | 1 | 56.0 | 474.0 | 605.0 | 120.00 | 32.000 | 7.76 | |
| 80 05 26 1338 | | .3 | 1 | 33.0 | 535.0 | 770.0 | 23.00 | 40.000 | 8.14 | |
| 80 06 23 1200 | | .3 | 1 | 33.0 | 541.0 | 810.0 | 24.00 | 44.500 | 8.09 | 1.000< |
| 80 07 28 1330 | | .3 | 1 | 148.6 | 576.9 | 680.0 | 55.00 | 36.000 | 7.72 | |
| 80 08 25 1245 | | .3 | 1 | 7.5 | 596.3 | 825 | 4.9 | 40 | 8.27 | |
| 80 09 22 1330 | | .3 | 1 | 89.5 | 635.7 | 885 | 66 | 43.0 | 8.15 | |
| 80 10 27 1230 | | .3 | 1 | 6.0 | 632.8 | 940 | 7.5 | 51.0 | 8.13 | |
| 80 11 24 1300 | | .3 | 1 | 23.4 | 551.1 | 835.0 | 13.00 | 49.000 | 8.14 | |
| MAXIMUM | | | | 148.6 | 659.5 | 940 | 120.00 | 51.0 | 8.27 | 1.000 |
| ARITH MEAN | | | | 40.7 | 566.9 | 800 | 32 | 42 | 8.03 | 1.000L |
| GEOM MEAN | | | | 20.9 | 563.3 | 793 | 19 | 42 | 8.03 | |
| MINIMUM | | | | 2.5 | 466.5 | 605.0 | 4.9 | 32.000 | 7.72 | 1.000< |
| STD DEV | | | | 46.6 | 66.1 | 106 | 37 | 5 | 0.18 | |
| NO OF SAMPLES | | | | 10 | 10 | 10 | 10 | 10 | 10 | 1 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B O W / SITE: **NORTH THAMES RIVER**
SAMPLE POINT: **AT MIDDLESEX COUNTY ROAD 28**
STATION TYPE: **RIVER FLOW GAUGE FED 02GE015**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-050-02**
STORET CODE: **02**
**003**
**2970**

LAT
LONG:
U T M: **17 0486250.0 4771300.0 4**
REGION: **01**
DISTANCE: **229.003**

| TEST-NAME: | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN SAMP DIST BRG DEPTH FEET MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 01 21 0950 | .3 | 1 | 33001 | 6 | 9.000 | 400 | 1100 | 76 | 172 | 4< | 0.0 | 13.0 |
| 80 02 18 0940 | .3 | 1 | 33022 | 6 | 2.170 | 310 | 1040 | 68 | 4 | 4< | 0.0 | 7.5 |
| 80 03 17 1205 | .3 | 1 | 33044 | 6 3 | 20.000 | 5200C | 10400 | 412 | 384 | 12 | 0.5 | 11.5 |
| 80 04 21 0940 | .3 | 1 | 33062 | 6 | 18.500 | 90C | 3000 | 8 | 4 | 4< | 9.0 | 10.0 |
| 80 05 14 0920 | .3 | 1 | 33084 | 8 | 11.900 | 260 | 1800 | 120 | 36 | 4< | 11.0 | 7.5 |
| 80 06 16 0925 | .3 | 1 | 33106 | 8 | 3.970 | 900I | 16000 | 24 | 16 | 4< | 15.0 | 8.0 |
| 80 07 21 0920 | .3 | 1 | 33128 | 9 5 | 2.470 | 340C | 24000> | 80 | 104 | 4< | 24.0 | 6.5 |
| 80 08 18 0910 | .3 | 1 | 33150 | 9 7 | 2.990 | 600C | | 96 | 40 | 4 | 19.0 | 5.5 |
| 80 09 15 1000 | .3 | 1 | 33172 | 6 8 | 3.600 | 1400 | 23000 | 276 | 84 | 4< | 15.0 | 10.0 |
| 80 10 20 0945 | .3 | 1 | 33195 | 6 | 8.480 | 1800 | 11700 | 210 | 180 | 4< | 8.0 | 10.0 |
| 80 11 17 0952 | .3 | 1 | 33217 | 6 8 | 4.990 | 20I | 280 | 10< | 10< | 4< | 0.0 | 13.0 |
| 80 12 15 0950 | .3 | 1 | 33239 | 6 | 7.200 | 250C | 4900 | 32 | 112 | 4< | 0.0 | 10.0 |
| MAXIMUM | | | | | **20.000** | **5200** | **24000>** | **412** | **384** | **12** | **24.0** | **13.0** |
| ARITH MEAN | | | | | **7.939** | **964** | **8838G** | **118L** | **95L** | **5L** | **8.5** | **9.4** |
| GEOM MEAN | | | | | **6.121** | **425** | **4292G** | **66L** | **43L** | **4L** | **4.3** | **9.1** |
| MINIMUM | | | | | **2.170** | **20** | **280** | **8<** | **4<** | **4<** | **0.0** | **5.5** |
| STD DEV | | | | | **6.072** | **1439** | **8862G** | **123L** | **110L** | **2L** | **8.5** | **2.4** |
| NO OF SAMPLES | | | | | **12** | **12** | **11** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN SAMP DIST BRG DEPTH FEET MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 01 21 0950 | .3 | 1 | 1.0 | 0.055 | 0.034 | 0.135 | 0.560 | 0.036 | 5.900 | 6.071 | 0.425 | 6.496 |
| 80 02 18 0940 | .3 | 1 | 0.5 | 0.042 | 0.026 | 0.425 | 0.850 | 0.044 | 5.310 | 5.779 | 0.425 | 6.204 |
| 80 03 17 1205 | .3 | 1 | 3.8 | 0.255 | 0.078 | 0.365 | 1.470 | 0.031 | 3.570 | 3.966 | 1.105 | 5.071 |
| 80 04 21 0940 | .3 | 1 | 1.3 | 0.026 | 0.007 | 0.010 | 0.480 | 0.026 | 5.070 | 5.106 | 0.470 | 5.576 |
| 80 05 14 0920 | .3 | 1 | 1.2 | 0.020 | 0.002 | 0.015 | 0.620 | 0.015 | 2.700 | 2.730 | 0.605 | 3.335 |
| 80 06 16 0925 | .3 | 1 | 1.4 | 0.028 | 0.004 | 0.010 | 0.620 | 0.012 | 2.100 | 2.122 | 0.610 | 2.732 |
| 80 07 21 0920 | .3 | 1 | 1.6 | 0.063 | 0.003 | 0.020 | 0.790 | 0.007 | 1.170 | 1.197 | 0.770 | 1.967 |
| 80 08 18 0910 | .3 | 1 | 2.1 | 0.071 | 0.003 | 0.015 | 0.730 | 0.003 | 0.690 | 0.708 | 0.715 | 1.423 |
| 80 09 15 1000 | .3 | 1 | 1.9 | 0.092 | 0.002 | 0.005< | 1.00 | 0.003 | 0.48 | 0.488 | 0.995 | 1.483 |
| 80 10 20 0945 | .3 | 1 | 1.6 | 0.074 | 0.002 | 0.015 | 0.86 | 0.033 | 5.7 | 5.748 | 0.845 | 6.593 |
| 80 11 17 0952 | .3 | 1 | 1.2 | 0.020 | 0.007 | 0.005 | 0.63 | 0.028 | 4.67 | 4.703 | 0.625 | 5.328 |
| 80 12 15 0950 | .3 | 1 | 0.7 | 0.036 | 0.024 | 0.105 | 0.580 | 0.038 | 10.500 | 10.643 | 0.475 | 11.118 |
| MAXIMUM | | | **3.8** | **0.255** | **0.078** | **0.425** | **1.470** | **0.044** | **10.500** | **10.643** | **1.105** | **11.118** |
| ARITH MEAN | | | **1.5** | **0.065** | **0.016** | **0.094L** | **0.76** | **0.023** | **3.9** | **4.105** | **0.672** | **4.777** |
| GEOM MEAN | | | **1.3** | **0.049** | **0.007** | **0.029L** | **0.73** | **0.017** | **2.8** | **2.980** | **0.640** | **4.001** |
| MINIMUM | | | **0.5** | **0.020** | **0.002** | **0.005<** | **0.480** | **0.003** | **0.48** | **0.488** | **0.425** | **1.423** |
| STD DEV | | | **0.8** | **0.064** | **0.022** | **0.147L** | **0.26** | **0.014** | **2.8** | **2.896** | **0.223** | **2.793** |
| NO OF SAMPLES | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN SAMP DIST BRG DEPTH FEET MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 21 0950 | .3 | 1 | 386.0 | 1.5 | 384.5 | 580.0 | 4.90 | 18.000 | 8.23 |
| 80 02 18 0940 | .3 | 1 | 440.0 | | | 735.0 | 1.50 | 39.000 | 7.90 |
| 80 03 17 1205 | .3 | 1 | 336.0 | 31.0 | 305.0 | 515.0 | 19.00 | 35.500 | 7.85 |
| 80 04 21 0940 | .3 | 1 | 322.0 | 6.0 | 316.0 | 510.0 | 4.60 | 15.500 | 8.42 |
| 80 05 14 0920 | .3 | 1 | 296.0 | 0.5< | | 515.0 | 1.10 | 22.500 | 8.26 |
| 80 06 16 0925 | .3 | 1 | 332.0 | 6.0 | 326.0 | 540.0 | 2.10 | 23.000 | 8.15 |
| 80 07 21 0920 | .3 | 1 | 384.0 | 15.9 | 368.1 | 520.0 | 4.00 | 31.500 | 8.13 |
| 80 08 18 0910 | .3 | 1 | 358.7 | 31.4 | 326.3 | 453.0 | 15.00 | 20.500 | 8.07 |
| 80 09 15 1000 | .3 | 1 | 415.2 | 27.8 | 387.4 | 565 | 15 | 44 | 8.25 |
| 80 10 20 0945 | .3 | 1 | 430.0 | 32.8 | 397.2 | 640 | 14 | 27.0 | 8.20 |
| 80 11 17 0952 | .3 | 1 | 436.7 | 3.5 | 433.2 | 650 | 1.5 | 33.0 | 8.28 |
| 80 12 15 0950 | .3 | 1 | 444.2 | 12.3 | 431.9 | 730.0 | 2.10 | 30.000 | 8.11 |
| MAXIMUM | | | **444.2** | **32.8** | **433.2** | **735.0** | **19.00** | **44** | **8.42** |
| ARITH MEAN | | | **381.7** | **16.3L** | **367.6** | **579** | **7** | **28** | **8.15** |
| GEOM MEAN | | | **378.4** | **8.5L** | **364.8** | **573** | **4** | **27** | **8.15** |
| MINIMUM | | | **296.0** | **0.5<** | **305.0** | **453.0** | **1.10** | **15.500** | **7.85** |
| STD DEV | | | **52.1** | **13.0L** | **47.2** | **90** | **6** | **8** | **0.16** |
| NO OF SAMPLES | | | **12** | **11** | **10** | **12** | **12** | **12** | **12** |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

STATION ID: **04-0013-051-02**

B.O.W./ SITE: **THAMES RIVER**
SAMPLE POINT: **AT MIDDLESEX COUNTY ROAD 4**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STORET CODE: **02**
**003**
**2870**

U T M: **17 0487750.0 4757150.0 4**
REGION: **01**
DISTANCE: **215.002**

LAT:
LONG:

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 23 1130 | | | .3 | 1 | 33014 | 6 | 5900 | 9400 | 100 | 48 | 4< | 0.0 | 13.0 | 0.9 |
| 80 02 19 1115 | | | .3 | 1 | 33035 | 6 | 1600 | 5300 | 110 | 20 | 4< | 0.0 | 12.5 | 0.6 |
| 80 03 19 1055 | | | .3 | 1 | 33053 | 6 3 | 11000 | 173000 | 1500> | 1500> | | 1.0 | 10.0 | 2.6 |
| 80 04 22 1100 | | | .3 | 1 | 33075 | 6 | 510C | 3200 | 10I | 50I | 4< | 11.0 | 11.5 | 1.7 |
| 80 05 20 1055 | | | .3 | 1 | 33097 | 6 | 1300 | 12900 | 188 | 52 | 4< | 15.0 | 7.0 | 1.8 |
| 80 06 18 1055 | | | .3 | 1 | 33119 | 6 | 700I | 13900 | 100< | 100I | 4< | 17.5 | 8.5 | 1.5 |
| 80 07 23 1025 | | | .3 | 1 | 33141 | 6 8 | 1800 | 27000 | 960 | 650 | 8 | 22.0 | 6.5 | 1.5 |
| 80 08 20 1035 | | | .3 | 1 | 33163 | 6 8 | 2500C | | 310 | 20I | 4< | 23.0 | 7.0 | 2.2 |
| 80 09 17 1055 | | | .3 | 1 | 33185 | 6 8 | 4500C | 68000 | 800 | 440 | 4 | 16.0 | 7.5 | 1.4 |
| 80 10 22 1045 | | | .3 | 1 | 33208 | 6 8 | 5500 | 14000 | 670 | 780 | 4< | 7.0 | 10.5 | 1.8 |
| 80 11 19 1055 | | | .3 | 1 | 33230 | 6 8 | 250 | 1860 | 20I | 300 | 4< | 1.0 | 13.0 | 1.8 |
| 80 12 17 1100 | | | .3 | 1 | 33249 | 6 8 | 3000 | 7100 | 192 | 52 | 4< | 0.0 | 12.5 | 1.3 |
| MAXIMUM | | | | | | | 11000 | 173000 | 1500> | 1500> | 8 | 23.0 | 13.0 | 2.6 |
| ARITH MEAN | | | | | | | 3213 | 30515 | 413B | 334G | 4L | 9.5 | 10.0 | 1.6 |
| GEOM MEAN | | | | | | | 1997 | 12923 | 188B | 131G | 4L | 4.8 | 9.8 | 1.5 |
| MINIMUM | | | | | | | 250 | 1860 | 10< | 20 | 4< | 0.0 | 6.5 | 0.6 |
| STD DEV | | | | | | | 3104 | 60770 | 468B | 462G | 1L | 9.0 | 2.6 | 0.5 |
| NO OF SAMPLES | | | | | | | 12 | 11 | 12 | 12 | 11 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 23 1130 | | | .3 | 1 | 0.052 | 0.029 | 0.110 | 0.550 | 0.027 | 6.500 | 6.637 | 0.440 | 7.077 | 464.0 |
| 80 02 19 1115 | | | .3 | 1 | 0.033 | 0.015 | 0.050 | 0.450 | 0.035 | 5.260 | 5.345 | 0.400 | 5.745 | 516.0 |
| 80 03 19 1055 | | | .3 | 1 | 0.380 | 0.210 | 1.000 | 2.760 | 0.042 | 2.140 | 3.182 | 1.760 | 4.942 | 248.0 |
| 80 04 22 1100 | | | .3 | 1 | 0.057 | 0.006 | 0.020 | 0.690 | 0.030 | 4.900 | 4.950 | 0.670 | 5.620 | 422.0 |
| 80 05 20 1055 | | | .3 | 1 | 0.044 | 0.002 | 0.015 | 0.940 | 0.035 | 4.710 | 4.760 | 0.925 | 5.685 | 460.0 |
| 80 06 18 1055 | | | .3 | 1 | 0.080 | 0.006 | 0.005 | 0.830 | 0.051 | 2.800 | 2.856 | 0.825 | 3.681 | 504.0 |
| 80 07 23 1025 | | | .3 | 1 | 0.132 | 0.022 | 0.025 | 1.06 | 0.019 | 2.7 | 2.744 | 1.035 | 3.779 | 511 |
| 80 08 20 1035 | | | .3 | 1 | 0.097 | 0.006 | 0.015 | 0.960 | 0.011 | 1.700 | 1.726 | 0.945 | 2.671 | 518.2 |
| 80 09 17 1055 | | | .3 | 1 | 0.132 | 0.022 | 0.040 | 1.10 | 0.019 | 2.6 | 2.659 | 1.060 | 3.719 | 503.2 |
| 80 10 22 1045 | | | .3 | 1 | 0.079 | 0.014 | 0.020 | 0.87 | 0.033 | 5.3 | 5.353 | 0.850 | 6.203 | 521.2 |
| 80 11 19 1055 | | | .3 | 1 | 0.036 | 0.003 | 0.005< | 0.55 | 0.033 | 4.42 | 4.458 | 0.545 | 5.003 | 496.6 |
| 80 12 17 1100 | | | .3 | 1 | 0.048 | 0.028 | 0.110 | 0.630 | 0.043 | 8.100 | 8.253 | 0.520 | 8.773 | 461.7 |
| MAXIMUM | | | | | 0.380 | 0.210 | 1.000 | 2.760 | 0.051 | 8.100 | 8.253 | 1.760 | 8.773 | 521.2 |
| ARITH MEAN | | | | | 0.097 | 0.030 | 0.118L | 0.94 | 0.031 | 4.2 | 4.410 | 0.831 | 5.241 | 468 |
| GEOM MEAN | | | | | 0.075 | 0.013 | 0.032L | 0.84 | 0.029 | 3.8 | 4.039 | 0.784 | 4.995 | 461 |
| MINIMUM | | | | | 0.033 | 0.002 | 0.006< | 0.450 | 0.011 | 1.700 | 1.726 | 0.400 | 2.671 | 248.0 |
| STD DEV | | | | | 0.095 | 0.057 | 0.280L | 0.60 | 0.011 | 1.9 | 1.880 | 0.372 | 1.679 | 75 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUÉ FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 23 1130 | | | .3 | 1 | 5.0 | 459.0 | 710.0 | 4.20 | 34.500 | 8.16 |
| 80 02 19 1115 | | | .3 | 1 | 7.0 | 509.0 | 800.0 | 1.50 | 52.500 | 8.14 |
| 80 03 19 1055 | | | .3 | 1 | 66.0 | 180.000 | 277.0 | 42.00 | 15.000 | 7.48 |
| 80 04 22 1100 | | | .3 | 1 | 11.5 | 410.5 | 610.0 | 6.00 | 27.500 | 8.34 |
| 80 05 20 1055 | | | .3 | 1 | 12.0 | 448.0 | 610.0 | 2.40 | 29.000 | 8.29 |
| 80 06 18 1055 | | | .3 | 1 | 15.5 | 588.5 | 660.0 | 8.30 | 40.500 | 8.22 |
| 80 07 23 1025 | | | .3 | 1 | 37.0 | 474 | 620 | 13 | 39.5 | 8.26 |
| 80 08 20 1035 | | | .3 | 1 | 29.7 | 488.5 | 640.0 | 11.00 | 41.500 | 8.21 |
| 80 09 17 1055 | | | .3 | 1 | 42.7 | 460.5 | 650 | 20 | 38.5 | 8.11 |
| 80 10 22 1045 | | | .3 | 1 | 16.8 | 504.4 | 740 | 9.3 | 36.0 | 8.16 |
| 80 11 19 1055 | | | .3 | 1 | 4.9 | 491.7 | 745 | 1.8 | 43.0 | 8.29 |
| 80 12 17 1100 | | | .3 | 1 | 21.9 | 439 8 | 818.0 | 3.50 | 39.500 | 8.10 |
| MAXIMUM | | | | | 66.0 | 588.5 | 818.0 | 42.00 | 52.500 | 8.34 |
| ARITH MEAN | | | | | 22.5 | 464 | 656 | 10 | 38.4 | 8.15 |
| GEOM MEAN | | | | | 16.6 | 440 | 637 | 6 | 36.0 | 8.14 |
| MINIMUM | | | | | 4.9 | 180.000 | 277.0 | 1.50 | 15.000 | 7.48 |
| STD DEV | | | | | 18.4 | 97 | 139 | 11 | 9.3 | 0.22 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 |

B.O.W./SITE: **THAMES RIVER**
SAMPLE POINT: **AT HIGHWAY 59 SOUTH OF TAVISTOCK**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-056-02**
STORET CODE: **02**
**083**
**2870**

LAT:
LONG:
U.T.M.: **17 0512275.0 4794600.0 4**
REGION: **01**
DISTANCE: **288.847**

| | TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 21 1345 | | | .3 | 1 | 33008 | 6 | 490 | 2500 | 12 | 172 | 4< | 0.0 | 12.5 | 0.7 |
| 80 02 18 1355 | | | .3 | 1 | 33029 | 6 | 130 | 2400 | 4 | 12 | 4< | 0.0 | 10.5 | 2.3 |
| 80 04 21 1325 | | | .3 | 1 | 33069 | 6 | 50I | 1260 | 4 | 4< | 4< | 12.0 | 11.5 | 1.3 |
| 80 05 14 1240 | | | .3 | 1 | 33091 | 6 | 630C | 6000 | 248 | 232 | 4< | 11.0 | 8.0 | 2.2 |
| 80 06 16 1315 | | | .3 | 1 | 33113 | 9 8 | 1900 | 1500 | 600> | 172 | 4< | 17.0 | 11.0 | 1.6 |
| 80 07 21 1410 | | | .3 | 1 | 33135 | 8 | 6000C | 38000 | 204 | 600> | 4< | 30.0 | 8.5 | 3.7 |
| 80 08 18 1225 | | | .3 | 1 | 33157 | 8 | 13000 | | 1500> | 450 | 4< | 20.5 | 4.5 | 2.5 |
| 80 09 15 1340 | | | .3 | 1 | 33179 | 9 | 22000 | 149000 | 2700 | 300 | 4< | 18.0 | 8.5 | 1.6 |
| 80 10 20 1305 | | | .3 | 1 | 33202 | 6 8 | 1400 | 8200 | 300I | 290 | 4< | 8.0 | 9.5 | 3.7 |
| 80 11 17 1315 | | | .3 | 1 | 33224 | 6 | 200 | 1310 | 20I | 50I | 4< | 1.0 | 13.5 | 0.5 |
| MAXIMUM | | | | | | | 22000 | 149000 | 2700> | 600> | 4 | 30.0 | 13.5 | 3.7 |
| ARITH MEAN | | | | | | | 4580 | 23352 | 559G | 228B | 4L | 11.7 | 9.8 | 2.0 |
| GEOM MEAN | | | | | | | 1082 | 5435 | 104G | 114B | 4L | 6.8 | 9.4 | 1.7 |
| MINIMUM | | | | | | | 50 | 1260 | 4 | 4< | 4< | 0.0 | 4.5 | 0.5 |
| STD DEV | | | | | | | 7345 | 48551 | 880G | 192B | 0L | 9.9 | 2.6 | 1.1 |
| NO OF SAMPLES | | | | | | | 10 | 9 | 10 | 10 | 10 | 10 | 10 | 10 |

| | TEST-NAME: | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 21 1345 | | | .3 | 1 | 0.067 | 0.045 | 0.055 | 0.550 | 0.013 | 4.590 | 4.658 | 0.495 | 5.153 | 332.0 |
| 80 02 18 1355 | | | .3 | 1 | 0.059 | 0.037 | 0.120 | 0.520 | 0.011 | 2.440 | 2.571 | 0.400 | 2.971 | 378.0 |
| 80 04 21 1325 | | | .3 | 1 | 0.026 | 0.012 | 0.025 | 0.540 | 0.014 | 3.340 | 3.379 | 0.515 | 3.894 | 314.0 |
| 80 05 14 1240 | | | .3 | 1 | 0.045 | 0.014 | 0.020 | 0.690 | 0.023 | 1.390 | 1.433 | 0.670 | 2.103 | 336.0 |
| 80 06 16 1315 | | | .3 | 1 | 0.065 | 0.016 | 0.035 | 0.720 | 0.035 | 1.830 | 1.900 | 0.685 | 2.585 | 334.0 |
| 80 07 21 1410 | | | .3 | 1 | 0.189 | 0.039 | 0.100 | 1.880 | 0.047 | 0.110 | 0.257 | 1.780 | 2.037 | 355.0 |
| 80 08 18 1225 | | | .3 | 1 | 0.133 | 0.044 | 0.145 | 1.170 | 0.035 | 0.190 | 0.370 | 1.025 | 1.395 | 368.2 |
| 80 09 15 1340 | | | .3 | 1 | 0.124 | 0.038 | 0.010 | 1.32 | 0.045 | 0.86 | 0.915 | 1.310 | 2.225 | 343.7 |
| 80 10 20 1305 | | | .3 | 1 | 0.198 | 0.076 | 0.160 | 1.64 | 0.080 | 1.9 | 2.140 | 1.480 | 3.620 | 473.8 |
| 80 11 17 1315 | | | .3 | 1 | 0.068 | 0.044 | 0.025 | 0.75 | 0.015 | 2.6 | 2.640 | 0.725 | 3.365 | 432.7 |
| MAXIMUM | | | | | 0.198 | 0.076 | 0.160 | 1.880 | 0.080 | 4.590 | 4.658 | 1.780 | 5.153 | 473.8 |
| ARITH MEAN | | | | | 0.097 | 0.036 | 0.069 | 0.97 | 0.032 | 1.9 | 2.026 | 0.908 | 2.935 | 366.7 |
| GEOM MEAN | | | | | 0.081 | 0.032 | 0.048 | 0.87 | 0.026 | 1.2 | 1.491 | 0.809 | 2.752 | 363.9 |
| MINIMUM | | | | | 0.026 | 0.012 | 0.010 | 0.520 | 0.011 | 0.110 | 0.257 | 0.400 | 1.395 | 314.0 |
| STD DEV | | | | | 0.060 | 0.019 | 0.058 | 0.49 | 0.022 | 1.3 | 1.371 | 0.470 | 1.105 | 50.1 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| | TEST-NAME: | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 21 1345 | | | .3 | 1 | 7.0 | 325.0 | 550.0 | 4.50 | 15.500 | 7.93 |
| 80 02 18 1355 | | | .3 | 1 | | | 600.0 | 3.60 | 13.500 | 7.89 |
| 80 04 21 1325 | | | .3 | 1 | 0.5< | | 500.0 | 3.10 | 14.000 | 8.22 |
| 80 05 14 1240 | | | .3 | 1 | 3.0 | 333.0 | 495.0 | 2.40 | 12.500 | 8.08 |
| 80 06 16 1315 | | | .3 | 1 | 14.0 | 320.0 | 540.0 | 6.40 | 16.500 | 8.20 |
| 80 07 21 1410 | | | .3 | 1 | 9.9 | 345.1 | 520.0 | 4.50 | 14.500 | 8.06 |
| 80 08 18 1225 | | | .3 | 1 | 11.0 | 357.2 | 550.0 | 7.70 | 14.500 | 7.84 |
| 80 09 15 1340 | | | .3 | 1 | 15.1 | 328.6 | 525 | 8.7 | 16.0 | 8.01 |
| 80 10 20 1305 | | | .3 | 1 | 27.0 | 446.8 | 715 | 8.0 | 31.0 | 7.90 |
| 80 11 17 1315 | | | .3 | 1 | 5.0 | 427.7 | 640 | 3.5 | 24.0 | 8.02 |
| MAXIMUM | | | | | 27.0 | 446.8 | 715 | 8.7 | 31.0 | 8.22 |
| ARITH MEAN | | | | | 10.3L | 360.4 | 563 | 5.2 | 17.2 | 8.01 |
| GEOM MEAN | | | | | 6.8L | 357.7 | 560 | 4.8 | 16.5 | 8.01 |
| MINIMUM | | | | | 0.5< | 320.0 | 495.0 | 2.40 | 12.500 | 7.84 |
| STD DEV | | | | | 7.9L | 49.1 | 69 | 2.2 | 5.7 | 0.13 |
| NO OF SAMPLES | | | | | 9 | 8 | 10 | 10 | 10 | 10 |

B.O.W./SITE: **THAMES RIVER**
SAMPLE POINT: **AT COUNTY ROAD NO 15 NEAR KENT BRIDGE**
STATION TYPE: **RIVER FLOW GAUGE FED 02GE003**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-058-02**
STORET CODE: **02**
**083**
**2870**

LAT:
LONG:
U.T.M.: **17 0411900.0 4707150.0 4**
REGION: **01**
DISTANCE: **48.084**

| | TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 01 28 1445 | | | .3 | 1 | 35005 | 4 | 23.400 | 500I | 1300 | 20I | 10< | 4< | 0.5 | 13.0 |
| 80 02 25 1510 | | | .3 | 1 | 35015 | 6 | 42.200 | | | | | | 0.5 | 11.0 |
| 80 03 24 1400 | | | .3 | 1 | 35025 | 6 | 471.000 | 5700 | 23000 | 1400 | 34600> | | 1.0 | 6.0 |
| 80 04 28 1345 | | | .3 | 1 | 35035 | 6 | 42.800 | 200I | 5500 | 20I | 100I | 10< | 12.0 | 7.0 |
| 80 05 26 1400 | | | .3 | 1 | 35046 | 6 | 30.100 | 220C | 4000 | 8 | 210 | 4< | 21.0 | 9.0 |
| 80 06 23 1245 | | | .3 | 1 | 35057 | 6 | 17.800 | 200C | 13700 | 36 | 12 | 4< | 22.0 | 9.0 |
| 80 07 28 1400 | | | .3 | 1 | 35068 | 6 | 30.900 | 15000 | 160000 | 1400 | 540 | 104 | 24.0 | 5.5 |
| 80 08 25 1340 | | | .3 | 1 | 35079 | 6 | 12.200 | 1300C | 124000 | 280 | 30I | 4< | 25.0 | 7.0 |
| 80 09 22 1350 | | | .3 | 1 | 35090 | 6 | 12.600 | 3900C | 39000 | 350 | 304 | 4< | 20.0 | 8.0 |
| 80 10 27 1305 | | | .3 | 1 | 35101 | 6 | 29.900 | 2400 | 10600 | 20I | 90I | 4< | 6.0 | 7.5 |
| 80 11 24 1330 | | | .3 | 1 | 35111 | 6 | 15.300 | 100I | 500 | 50I | 10< | 4< | 4.0 | 7.5 |
| MAXIMUM | | | | | | | 471.000 | 15000 | 160000 | 1400 | 34600> | 104 | 25.0 | 13.0 |
| ARITH MEAN | | | | | | | 66.200 | 2952 | 38160 | 358 | 3591B | 16L | 12.4 | 8.2 |
| GEOM MEAN | | | | | | | 30.742 | 925 | 11396 | 86 | 114B | 6L | 6.1 | 8.0 |
| MINIMUM | | | | | | | 12.200 | 100 | 500 | 8 | 10< | 4< | 0.5 | 5.5 |
| STD DEV | | | | | | | 134.888 | 4636 | 56581 | 562 | 10897B | 33L | 10.2 | 2.2 |
| NO OF SAMPLES | | | | | | | 11 | 10 | 10 | 10 | 10 | 9 | 11 | 11 |

(CONTD)

| TEST-NAME: | | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 01 28 1445 | | | .3 | 1 | 0.2 | 0.065 | 0.044 | 0.140 | 0.580 | 0.038 | 6.600 | 6.778 | 0.440 | 7.218 |
| 80 02 25 1510 | | | .3 | 1 | 3.8 | 0.158 | 0.067 | 0.420 | 1.220 | 0.058 | 4.090 | 4.568 | 0.800 | 5.368 |
| 80 03 24 1400 | | | .3 | 1 | 3.2 | 0.675 | 0.130 | 0.400 | 2.300 | 0.045 | 3.000 | 3.445 | 1.900 | 5.345 |
| 80 04 28 1345 | | | .3 | 1 | 1.6 | 0.093 | 0.010 | 0.045 | 0.870 | 0.024 | 4.730 | 4.799 | 0.825 | 5.624 |
| 80 05 26 1400 | | | .3 | 1 | 1.4 | 0.109 | 0.021 | 0.060 | 0.880 | 0.022 | 3.400 | 3.482 | 0.820 | 4.302 |
| 80 06 23 1245 | | | .3 | 1 | 3.4 | 0.112 | 0.011 | 0.145 | 1.060 | 0.026 | 3.300 | 3.471 | 0.915 | 4.386 |
| 80 07 28 1400 | | | .3 | 1 | 2.8 | 0.275 | 0.067 | 0.070 | 1.150 | 0.043 | 3.300 | 3.413 | 1.080 | 4.493 |
| 80 08 25 1340 | | | .3 | 1 | 2.7 | 0.122 | 0.006 | 0.025 | 1.14 | 0.013 | 1.74 | 1.778 | 1.115 | 2.893 |
| 80 09 22 1350 | | | .3 | 1 | 1.0 | 0.160 | 0.057 | 0.025 | 1.00 | 0.019 | 2.7 | 2.744 | 0.975 | 3.719 |
| 80 10 27 1305 | | | .3 | 1 | 1.1 | 0.096 | 0.028 | 0.010 | 0.84 | 0.014 | 3.8 | 3.824 | 0.830 | 4.654 |
| 80 11 24 1330 | | | .3 | 1 | 0.7 | 0.069 | 0.028 | 0.005 | 0.630 | 0.027 | 3.800 | 3.832 | 0.625 | 4.457 |
| MAXIMUM | | | | | 3.8 | 0.675 | 0.130 | 0.420 | 2.300 | 0.058 | 6.600 | 6.778 | 1.900 | 7.218 |
| ARITH MEAN | | | | | 2.0 | 0.176 | 0.043 | 0.122 | 1.08 | 0.030 | 3.6 | 3.830 | 0.939 | 4.769 |
| GEOM MEAN | | | | | 1.5 | 0.135 | 0.030 | 0.057 | 0.99 | 0.027 | 3.4 | 3.645 | 0.882 | 4.651 |
| MINIMUM | | | | | 0.2 | 0.065 | 0.006 | 0.005 | 0.580 | 0.013 | 1.74 | 1.778 | 0.440 | 2.893 |
| STD DEV | | | | | 1.2 | 0.175 | 0.037 | 0.150 | 0.48 | 0.014 | 1.2 | 1.270 | 0.372 | 1.122 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 28 1445 | | | .3 | 1 | 460.0 | 4.0 | 456.0 | 685.0 | 10.00 | 31.000 | 8.08 |
| 80 02 25 1510 | | | .3 | 1 | 438.0 | 43.0 | 395.0 | 650.0 | 47.00 | 65.000 | 7.92 |
| 80 03 24 1400 | | | .3 | 1 | 586.0 | 302.0 | 183.000 | 282.0 | 270.00 | 13.000 | 7.78 |
| 80 04 28 1345 | | | .3 | 1 | 394.0 | 47.0 | 347.0 | 580.0 | 29.00 | 27.500 | 8.22 |
| 80 05 26 1400 | | | .3 | 1 | 422.0 | 57.0 | 365.0 | 590.0 | 32.00 | 30.000 | 8.18 |
| 80 06 23 1245 | | | .3 | 1 | 422.0 | 48.0 | 374.0 | 600.0 | 18.00 | 39.000 | 8.18 |
| 80 07 28 1400 | | | .3 | 1 | 720.4 | 223.9 | 496.5 | 550.0 | 160.00 | 36.500 | 8.03 |
| 80 08 25 1340 | | | .3 | 1 | 455.9 | 59.0 | 396.9 | 570 | 43 | 41.0 | 8.32 |
| 80 09 22 1350 | | | .3 | 1 | 497.2 | 77.1 | 420.1 | 605 | 85 | 38.5 | 8.22 |
| 80 10 27 1305 | | | .3 | 1 | 476.4 | 31.7 | 444.7 | 680 | 25 | 40.0 | 8.23 |
| 80 11 24 1330 | | | .3 | 1 | 434.8 | 7.8 | 427.0 | 670.0 | 4.90 | 43.000 | 8.47 |
| MAXIMUM | | | | | 720.4 | 302.0 | 496.5 | 685.0 | 270.00 | 65.000 | 8.47 |
| ARITH MEAN | | | | | 482.4 | 81.9 | 391.3 | 587 | 65 | 36.7 | 8.15 |
| GEOM MEAN | | | | | 475.4 | 46.4 | 380.9 | 574 | 36 | 34.5 | 8.15 |
| MINIMUM | | | | | 394.0 | 4.0 | 183.000 | 282.0 | 4.90 | 13.000 | 7.78 |
| STD DEV | | | | | 93.9 | 93.7 | 81.6 | 111 | 80 | 12.8 | 0.19 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

B.O.W./ SITE: **LAWTON DRAIN**
SAMPLE POINT: **AT CO.RD.32 2MILES SOUTH OF DORCHESTER**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-059-02**
STORET CODE: **02**
**003**
**2870**

LAT: LONG: U T M: **17 0495600.0 4757500.0 4** REGION: **01** DISTANCE: **224.900**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 23 0915 | | | .3 | 1 | 30506 | 6 | 220C | 2800 | 52 | 152 | 4< | 0.0 | | 0.5 |
| 80 02 20 0930 | | | .3 | 1 | 30520 | 6 | 600C | 38000 | 376 | 80 | 4 | 2.5 | 13.5 | 1.1 |
| 80 03 17 1441 | | | .3 | 1 | 30536 | 3 | 28000 | 226000 | 1500> | 1500> | | 1.0 | 12.8 | 8.4 |
| 80 04 21 1440 | | | .3 | 1 | 30557 | 6 | 30I | 1920 | 16 | 20 | 4< | 15.0 | 12.2 | 2.4 |
| 80 05 20 0950 | | | .3 | 1 | 30568 | 6 | 1000 | 7800 | 436 | 428 | 4< | 11.5 | 10.1 | 1.5 |
| 80 06 11 0950 | | | .3 | 1 | 30604 | 6 | 600C | 6700 | 220 | 60I | 4< | 11.1 | 10.7 | 1.7 |
| 80 07 21 0950 | | | .3 | 1 | 30610 | 6 | 4300C | 37000 | 700 | 388 | 12 | 21.7 | 8.3 | 2.4 |
| 80 08 12 0945 | | | .3 | 1 | 30634 | 6 | 8000I | 54000 | 1040 | 160 | 4< | 18.3 | 8.4 | 1.9 |
| 80 09 09 1025 | | | .3 | 1 | 30649 | 6 | 12000 | 21000 | 960 | 240 | 16 | 16.0 | 9.6 | 2.2 |
| 80 10 22 1020 | | | .3 | 1 | 30655 | 6 | 3900C | 38000 | 480 | 1500> | 4< | 7.0 | 21.2 | 1.0 |
| 80 11 18 1020 | | | .3 | 1 | 30664 | 6 | 440 | 2200 | 50I | 10I | 4< | 2.5 | 12.8 | 1.6 |
| 80 12 10 1035 | | | .3 | 1 | 30680 | 6 | 1700 | 22000 | 370 | 620 | 4< | 2.5 | 12.4 | 1.2 |
| MAXIMUM | | | | | | | 28000 | 226000 | 1500> | 1500> | 16 | 21.7 | 21.2 | 8.4 |
| ARITH MEAN | | | | | | | 5066 | 38118 | 517G | 430G | 6L | 9.1 | 12.0 | 2.2 |
| GEOM MEAN | | | | | | | 1441 | 15458 | 284G | 182G | 6L | 5.8 | 11.6 | 1.7 |
| MINIMUM | | | | | | | 30 | 1920 | 16 | 10 | 4< | 0.0 | 8.3 | 0.5 |
| STD DEV | | | | | | | 8105 | 61688 | 457G | 532G | 4L | 7.5 | 3.6 | 2.1 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 11 | 12 | 11 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 23 0915 | | | .3 | 1 | 0.036 | 0.014 | 0.130 | 0.470 | 0.016 | 2.200 | 2.346 | 0.340 | 2.686 | 418.00 |
| 80 02 20 0930 | | | .3 | 1 | 0.032 | 0.006 | 0.100 | 0.440 | 0.020 | 3.040 | 3.160 | 0.340 | 3.500 | 450.00 |
| 80 03 17 1441 | | | .3 | 1 | 0.910 | 0.285 | 0.765 | 3.800 | 0.047 | 1.510 | 2.322 | 3.035 | 5.357 | 506.0 |
| 80 04 21 1440 | | | .3 | 1 | 0.047 | 0.009 | 0.020 | 0.570 | 0.024 | 1.610 | 1.654 | 0.550 | 2.204 | 400.00 |
| 80 05 20 0950 | | | .3 | 1 | 0.104 | 0.034 | 0.055 | 0.780 | 0.044 | 1.730 | 1.829 | 0.725 | 2.554 | 480.00 |
| 80 06 11 0950 | | | .3 | 1 | 0.062 | 0.005 | 0.085 | 0.740 | 0.051 | 1.580 | 1.716 | 0.655 | 2.371 | 448.00 |
| 80 07 21 0950 | | | .3 | 1 | 0.073 | 0.001 | 0.055 | 0.750 | 0.029 | 1.060 | 1.144 | 0.695 | 1.839 | 391.00 |
| 80 09 09 1025 | | | .3 | 1 | 0.073 | 0.001 | 0.025 | 0.780 | 0.029 | 1.270 | 1.324 | 0.755 | 2.079 | 371.20 |
| 80 10 22 1020 | | | .3 | 1 | 0.065 | 0.020 | 0.055 | 0.700 | 0.054 | 2.200 | 2.309 | 0.645 | 2.954 | 476.00 |
| 80 11 18 1020 | | | .3 | 1 | 0.083 | 0.028 | 0.020 | 0.570 | 0.020 | 1.700 | 1.740 | 0.550 | 2.290 | 437.30 |
| 80 12 10 1035 | | | .3 | 1 | 0.097 | 0.059 | 0.125 | 0.760 | 0.036 | 3.310 | 3.471 | 0.635 | 4.106 | 518.00 |
| MAXIMUM | | | | | 0.910 | 0.285 | 0.765 | 3.800 | 0.054 | 3.310 | 3.471 | 3.035 | 5.357 | 518.00 |
| ARITH MEAN | | | | | 0.144 | 0.042 | 0.130 | 0.942 | 0.034 | 1.928 | 2.092 | 0.811 | 2.904 | 446.0 |
| GEOM MEAN | | | | | 0.080 | 0.013 | 0.069 | 0.756 | 0.031 | 1.823 | 1.986 | 0.663 | 2.762 | 442.7 |
| MINIMUM | | | | | 0.032 | 0.001 | 0.020 | 0.440 | 0.016 | 1.080 | 1.144 | 0.340 | 1.839 | 371.20 |
| STD DEV | | | | | 0.255 | 0.082 | 0.214 | 0.956 | 0.014 | 0.705 | 0.723 | 0.761 | 1.047 | 47.3 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

(CONTD)

B.O.W./ SITE: **LAWTON DRAIN**
SAMPLE POINT: **AT CO.RD.32 2MILES SOUTH OF DORCHESTER**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-059-02**
STORET CODE: **02**
**003**
**2870**

LAT
LONG
U T M: **17 0495600.0 4757500.0 4**
REGION: **01**
DISTANCE: **224.900**

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | SIO3UR | ACDT | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | SILICATE UNF.REAC MG/L AS SI | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH |
| 80 01 23 0915 | | | .3 | 1 | 5.00 | 413.00 | 705.0 | 4.60 | 52.000 | 47.000 | 4.700 | 10.000 | 244 | 8.00 |
| 80 02 20 0930 | | | .3 | 1 | 7.50 | 442 5 | 765.0 | 4.60 | 76.500 | 41.000 | | 10.000 | 230.0 | 7.98 |
| 80 03 17 1441 | | | .3 | 1 | 266.0 | 209.000 | 322.0 | 160.00 | 42.000 | | | | | 7.50 |
| 80 04 21 1440 | | | .3 | 1 | 14.00 | 386.00 | 640.0 | 3.90 | 51.000 | 41.500 | 2.940 | 0.000 | 216.0 | 8.32 |
| 80 05 20 0950 | | | .3 | 1 | 9.00 | 471.00 | 750.0 | 3.70 | 18.000 | 41.000 | 2.580 | 24.500 | 252.0 | 8.05 |
| 80 06 11 0950 | | | .3 | 1 | 11.00 | 437.00 | 670.0 | 5.20 | 45.500 | 38.500 | 4.500 | 8.100 | 246.0 | 8.02 |
| 80 07 21 0950 | | | .3 | 1 | 17.80 | 373.20 | 580.0 | 5.80 | 33.500 | 36.500 | 2.860 | 9.000 | 223.0 | 8.04 |
| 80 08 12 0945 | | | .3 | 1 | | | 620 | 5.50 | 39.5 | 38.5 | 3.30 | 6.8 | 235 | 8.05 |
| 80 09 09 1025 | | | .3 | 1 | 10.70 | 360.50 | 610.0 | 4.20 | 33.500 | 35.500 | 4.300 | 7.800 | 237.0 | 7.94 |
| 80 10 22 1020 | | | .3 | 1 | 8.70 | 467.30 | 760.0 | 6.30 | 51.500 | 39.000 | 4.300 | 8.700 | 286.0 | 7.92 |
| 80 11 18 1020 | | | .3 | 1 | 12.30 | 425.00 | 680.0 | 6.30 | 41.000 | 41.000 | | 5.800 | 252.0 | 7.97 |
| 80 12 10 1035 | | | .3 | 1 | 11.90 | 506.10 | 805.0 | 6.10 | 79.000 | 45.000 | 4.100 | 17.500 | 255.0 | 8.03 |
| MAXIMUM | | | | | 266.0 | 506.10 | 805.0 | 160.00 | 79.000 | 47.000 | 4.700 | 24.500 | 286.0 | 8.32 |
| ARITH MEAN | | | | | 33.9 | 408.2 | 658 | 18.02 | 46.9 | 40.4 | 3.73 | 9.8 | 243 | 7.98 |
| GEOM MEAN | | | | | 13.7 | 399.2 | 644 | 6.70 | 43.9 | 40.2 | 3.64 | 7.9 | 242 | 7.98 |
| MINIMUM | | | | | 5.00 | 209.000 | 322.0 | 3.70 | 18.000 | 35.500 | 2.580 | 0.000 | 216.0 | 7.50 |
| STD DEV | | | | | 77.0 | 79.3 | 127 | 44.72 | 17.2 | 3.3 | 0.80 | 6.3 | 18 | 0.18 |
| NO OF SAMPLES | | | | | 11 | 11 | 12 | 12 | 12 | 11 | 9 | 11 | 11 | 12 |

| TEST-NAME: | | | | | FWPH | PHNOL | FEUT | HARDT | CAUR | MGUR | COLAP | KKUR | NAUR | COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O |
| 80 01 23 0915 | | | .3 | 1 | 7.3 | 1.000< | 0.310 | 290.000 | 84.500 | 19.200 | 12.000 | 1.65 | 31.000 | 19 |
| 80 02 20 0930 | | | .3 | 1 | 7.3 | 1.000< | 0.350 | | 80.500 | 20.600 | 9.000 | 1.70 | 49.000 | 12 |
| 80 04 21 1440 | | | .3 | 1 | 8.2 | 1.000< | 0.400 | | 78.500 | 17.400 | 27.000 | 2.05 | 30.000 | 31 |
| 80 05 20 0950 | | | .3 | 1 | | 1.000< | 0.570 | | 91.000 | 18.000 | 34.000 | 2.30 | 36.000 | 47 |
| 80 06 11 0950 | | | .3 | 1 | | 1.000< | 0.580 | 293.000 | 85.500 | 19.200 | 29.000 | 2.00 | 30.000 | 32 |
| 80 07 21 0950 | | | .3 | 1 | 8.3 | 1.000< | 0.700 | 260.000 | 71.500 | 19.800 | 22.000 | 1.75 | 20.500 | 17 |
| 80 08 12 0945 | | | .3 | 1 | 7.4 | 1.0 < | | | | | | | | |
| 80 09 09 1025 | | | .3 | 1 | | 1.000< | 0.660 | 279.000 | 77.500 | 20.800 | 18.000 | 2.35 | 22.600 | 11 |
| 80 10 22 1020 | | | .3 | 1 | | 1.000< | 0.460 | 324 000 | 97.000 | 19.800 | 34.000 | 3.00 | 34.000 | 29 |
| 80 11 18 1020 | | | .3 | 1 | | 1.000< | 0.540 | 288 000 | 82.500 | 19.800 | 21.000 | 2.05 | 26.000 | 11 |
| 80 12 10 1035 | | | .3 | 1 | 7 6 | 1 000< | 0.600 | 320 000 | 97.000 | 18.800 | 32.000 | 2.90 | 47.000 | 34 |
| MAXIMUM | | | | | 8.3 | 1.000 | 0.700 | 324.000 | 97.000 | 20.800 | 34.000 | 3.00 | 49.000 | 47 |
| ARITH MEAN | | | | | 7.7 | 1.0 L | 0.517 | 293.428 | 84.550 | 19.340 | 23.800 | 2.17 | 32.610 | 24 |
| GEOM MEAN | | | | | 7.7 | 1.0 L | 0.501 | 292.697 | 84.181 | 19.313 | 21.954 | 2.13 | 31.452 | 22 |
| MINIMUM | | | | | 7.3 | 1.000< | 0.310 | 260.000 | 71.500 | 17.400 | 9.000 | 1.65 | 20.500 | 11 |
| STD DEV | | | | | 0.5 | 0.0 L | 0.132 | 22.369 | 8.365 | 1.067 | 8.917 | 0.47 | 9.404 | 12 |
| NO OF SAMPLES | | | | | 6 | 11 | 10 | 7 | 10 | 10 | 10 | 10 | 10 | 10 |

B.O.W./ SITE: **BIG SWAMP DRAIN**
SAMPLE POINT: **UPSTR.OF CO.RD.SOUTH OF DORCHESTER**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-060-02**
STORET CODE: **02**
**003**
**2870**

LAT:
LONG:
U T M: **17 0495700.0 4758000.0 4**
REGION: **01**
DISTANCE: **224.900**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 23 0845 | | | .3 | 1 | 30505 | 6 | 20 | 484 | 12 | 8 | 4< | 0.0 | | 1.0 |
| 80 02 20 0945 | | | .3 | 1 | 30519 | 6 | 60 | 920 | 16 | 16 | 4< | 1.8 | 12.8 | 0.8 |
| 80 05 20 0930 | | | .3 | 1 | 30567 | 6 | 1900 | 19000 | | 96 | 4< | 12.5 | 7.6 | 2.8 |
| 80 06 11 0935 | | | .3 | 1 | 30603 | 6 | 720C | 9600 | 90I | 108 | 4< | 10.1 | 10.4 | 0.5 |
| 80 07 21 0930 | | | .3 | 1 | 30609 | 6 9 | 5200C | 30000 | 430 | 380 | 4 | 19.8 | 6.8 | 1.0 |
| 80 08 12 0925 | | | .3 | 1 | 30633 | 6 | 2100C | 29000 | 500 | 120 | 4< | 17.9 | 7.1 | 0.9 |
| 80 09 09 1010 | | | .3 | 1 | 30648 | 6 | 2900 | 7300 | 500 | 70I | 4< | 14.0 | 9.4 | 0.6 |
| 80 10 22 1010 | | | .3 | 1 | 30654 | 6 | 310C | 5100 | 40I | 150 | 4< | 7.0 | 9.2 | 0.7 |
| 80 11 18 1000 | | | .3 | 1 | 30663 | 6 | 140 | 820 | 8 | 68 | 4< | 1.9 | 13.3 | 0.5 |
| 80 12 10 1025 | | | .3 | 1 | 30679 | 6 4 | 220 | 1100 | 72 | 40 | 4< | 3.0 | 13.2 | 0.5 |
| MAXIMUM | | | | | | | 5200 | 30000 | 500 | 380 | 4 | 19.8 | 13.3 | 2.8 |
| ARITH MEAN | | | | | | | 1357 | 10332 | 185 | 106 | 4L | 8.8 | 10.0 | 0.9 |
| GEOM MEAN | | | | | | | 467 | 4340 | 70 | 67 | 4L | 5.8 | 9.7 | 0.8 |
| MINIMUM | | | | | | | 20 | 484 | 8 | 8 | 4< | 0.0 | 6.8 | 0.5 |
| STD DEV | | | | | | | 1691 | 11589 | 221 | 107 | 0L | 7.1 | 2.6 | 0.7 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 9 | 10 | 10 | 10 | 9 | 10 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 23 0845 | | | .3 | 1 | 0.014 | 0.004 | 0.085 | 0.510 | 0.008 | 0.750 | 0.843 | 0.425 | 1.268 | 336.00 |
| 80 02 20 0945 | | | .3 | 1 | 0.019 | 0.005 | 0.065 | 0.420 | 0.012 | 3.310 | 3.387 | 0.355 | 3.742 | 406.00 |
| 80 05 20 0930 | | | .3 | 1 | 0.114 | 0.002 | 0.015 | 1.280 | 0.003 | 0.170 | 0.188 | 1.265 | 1.453 | 382.00 |
| 80 06 11 0935 | | | .3 | 1 | 0.021 | 0.007 | 0.005 | 0.590 | 0.007 | 0.560 | 0.572 | 0.585 | 1.157 | 374.00 |
| 80 07 21 0930 | | | .3 | 1 | 0.026 | 0.006 | 0.050 | 0.510 | 0.027 | 0.870 | 0.947 | 0.460 | 1.407 | 422.00 |
| 80 09 09 1010 | | | .3 | 1 | 0.034 | 0.004 | 0.015 | 0.500 | 0.012 | 0.990 | 1.017 | 0.485 | 1.502 | 380.40 |
| 80 10 22 1010 | | | .3 | 1 | 0.013 | 0.004 | 0.005< | 0.510 | 0.003 | 0.210 | 0.218 | 0.505 | 0.723 | 374.60 |
| 80 11 18 1000 | | | .3 | 1 | 0.010 | 0.002 | 0.005 | 0.370 | 0.005 | 0.640 | 0.650 | 0.365 | 1.015 | 392.20 |
| 80 12 10 1025 | | | .3 | 1 | 0.023 | 0.004 | 0.005 | 0.460 | 0.002 | 0.160 | 0.167 | 0.455 | 0.622 | 304.80 |
| MAXIMUM | | | | | 0.114 | 0.007 | 0.085 | 1.280 | 0.027 | 3.310 | 3.387 | 1.265 | 3.742 | 422.00 |
| ARITH MEAN | | | | | 0.030 | 0.004 | 0.028L | 0.572 | 0.009 | 0.851 | 0.888 | 0.544 | 1.432 | 374.67 |
| GEOM MEAN | | | | | 0.023 | 0.004 | 0.015L | 0.535 | 0.006 | 0.547 | 0.576 | 0.504 | 1.254 | 373.10 |
| MINIMUM | | | | | 0.010 | 0.002 | 0.005< | 0.370 | 0.002 | 0.160 | 0.167 | 0.365 | 0.622 | 304.80 |
| STD DEV | | | | | 0.032 | 0.002 | 0.031L | 0.273 | 0.008 | 0.972 | 0.993 | 0.279 | 0.920 | 35.34 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

(CONTD)

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | SIO3UR | ACDT | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | SILICATE UNF.REAC MG/L AS SI | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH |
| 80 01 23 0845 | | | .3 | 1 | 3.50 | 332.50 | 560.0 | 1.00 | 47.500 | 31.500 | 3.820 | 14.000 | 210 | 7.89 |
| 80 02 20 0945 | | | .3 | 1 | 4.00 | 402.00 | 635.0 | 2.00 | 48.000 | 35.000 | | 10.000 | 223.0 | 7.97 |
| 80 05 20 0930 | | | .3 | 1 | 48.00 | 334.00 | 495.0 | 3.20 | 19.000 | 15.500 | 2.620 | 17.600 | 204.0 | 7.98 |
| 80 06 11 0935 | | | .3 | 1 | 5.00 | 369.00 | 560.0 | 1.30 | 35.000 | 17.000 | 4.100 | 11.100 | 231.0 | 8.04 |
| 80 07 21 0930 | | | .3 | 1 | 3.30 | 418.70 | 610.0 | 1.10 | 44.500 | 31.500 | 4.200 | 6.000 | 231.0 | 8.02 |
| 80 08 12 0925 | | | .3 | 1 | | | 610 | 1.70 | 15.0 | 28.0 | 4.60 | 4.9 | 235 | 8.09 |
| 80 09 09 1010 | | | .3 | 1 | 2.00 | 378.40 | 625.0 | 0.90 | 43.500 | 29.000 | 4.300 | 7.800 | 237.0 | 7.99 |
| 80 10 22 1010 | | | .3 | 1 | 1.10 | 373.50 | 575.0 | 0.65 | 39.000 | 14.500 | 4.400 | 8.700 | 233.0 | 7.94 |
| 80 11 18 1000 | | | .3 | 1 | 1.10 | 391.10 | 600.0 | 1.40 | 44.500 | 27.000 | 4.100 | 4.800 | 230.0 | 8.03 |
| 80 12 10 1025 | | | .3 | 1 | 3.70 | 301.10 | 465.0 | 1.00 | 33.500 | 15.000 | 3.660 | 11.600 | 181.0 | 8.11 |
| MAXIMUM | | | | | 48.00 | 418.70 | 635.0 | 3.20 | 48.000 | 35.000 | 4.60 | 17.600 | 237.0 | 8.11 |
| ARITH MEAN | | | | | 7.97 | 366.70 | 573 | 1.42 | 36.9 | 24.4 | 3.97 | 9.6 | 221 | 8.01 |
| GEOM MEAN | | | | | 3.59 | 364.93 | 570 | 1.29 | 34.7 | 23.1 | 3.93 | 8.8 | 220 | 8.01 |
| MINIMUM | | | | | 1.10 | 301.10 | 465.0 | 0.65 | 15.0 | 14.500 | 2.620 | 4.800 | 181.0 | 7.89 |
| STD DEV | | | | | 15.07 | 37.54 | 55 | 0.74 | 11.6 | 7.9 | 0.58 | 4.1 | 17 | 0.07 |
| NO OF SAMPLES | | | | | 9 | 9 | 10 | 10 | 10 | 10 | 9 | 10 | 10 | 10 |

| TEST-NAME: | | | | | FWPH | PHNOL | FEUT | HARDT | CAUR | MGUR | COLAP | KKUR | NAUR | COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O |
| 80 01 23 0845 | | | .3 | 1 | 7.2 | 1.000< | 0.150 | 250.000 | 72.500 | 16.600 | 18.000 | 1.35 | 17.500 | 21 |
| 80 02 20 0945 | | | .3 | 1 | 7.4 | 1.000< | 0.320 | | 79.000 | 19.600 | 16.000 | 1.25 | 56.500 | 21 |
| 80 05 20 0930 | | | .3 | 1 | | 1.000< | 0.700 | | 67.500 | 14.200 | 59.000 | 1.25 | 17.200 | 96 |
| 80 06 11 0935 | | | .3 | 1 | | 1.000< | 0.260 | 263.000 | 78.000 | 16.400 | 47.000 | 1.25 | 18.800 | 18 |
| 80 07 21 0930 | | | .3 | 1 | 7.9 | 1.000< | 0.280 | 280.000 | 79.500 | 19.800 | 31.000 | 1.45 | 19.500 | 15 |
| 80 08 12 0925 | | | .3 | 1 | 7.6 | 1.0 < | | | | | | | | |
| 80 09 09 1010 | | | .3 | 1 | | 1.000< | 0.330 | 289.000 | 83.000 | 19.800 | 26.000 | 1.55 | 21.000 | 14 |
| 80 10 22 1010 | | | .3 | 1 | | 1.000< | 0.110 | 267.000 | 79.500 | 16.600 | 50.000 | 2.75 | 21.600 | 43 |
| 80 11 18 1000 | | | .3 | 1 | | 1.000< | 0.240 | 263.000 | 73.500 | 19.200 | 22.000 | 1.60 | 20.600 | 20 |
| 80 12 10 1025 | | | .3 | 1 | 7.9 | 1.000< | 0.170 | 210.000 | 60.500 | 14.200 | 39.000 | 1.85 | 18.000 | 23 |
| MAXIMUM | | | | | 7.9 | 1.000 | 0.700 | 289.000 | 83.000 | 19.800 | 59.000 | 2.75 | 56.500 | 96 |
| ARITH MEAN | | | | | 7.6 | 1.0 L | 0.284 | 260.286 | 74.778 | 17.378 | 34.222 | 1.59 | 23.411 | 30 |
| GEOM MEAN | | | | | 7.6 | 1.0 L | 0.249 | 259.131 | 74.458 | 17.239 | 31.150 | 1.54 | 21.658 | 24 |
| MINIMUM | | | | | 7.2 | 1.000< | 0.110 | 210.000 | 60.500 | 14.200 | 16.000 | 1.25 | 17.200 | 14 |
| STD DEV | | | | | 0.3 | 0.0 L | 0.173 | 26.519 | 7.107 | 2.301 | 15.295 | 0.48 | 12.506 | 26 |
| NO OF SAMPLES | | | | | 5 | 10 | 9 | 7 | 9 | 9 | 9 | 9 | 9 | 9 |

B.O.W./ SITE: **TURKEY CREEK**
SAMPLE POINT: **AT COUNTY RD 19 SOUTH OF SOUTHWOLD**
STATION TYPE: **RIVER**

MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-061-02**

STORET CODE: **00**
**003**
**2870**

LAT:
LONG:
U T M: **17 0470300.0 4739250.0 4**
REGION: **01**
DISTANCE: **163.344**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 29 1310 | | | .3 | 1 | 35008 | 4 | 6800 | 18500 | 960 | 170 | 4< | 0.5 | 10.5 | 0.6 |
| 80 02 26 1247 | | | .3 | 1 | 35018 | 4 | | | | | | 0.0 | 11.5 | 2.2 |
| 80 03 25 1023 | | | .3 | 1 | 35028 | 6 | 1500 | 11000 | 720 | 27100> | 4< | 0.5 | 9.5 | 1.8 |
| 80 05 28 1137 | | | .3 | 1 | 35049 | 5 | 5300 | 22000 | 1500 | 100< | 8 | 14.0 | 10.0 | 2.0 |
| 80 06 24 1000 | | | .3 | 1 | 35060 | 5 9 | 6000C | 73000 | 3300 | 380 | 36 | 18.0 | 5.5 | 1.6 |
| 80 07 29 1300 | | | .3 | 1 | 35071 | 6 | 350000 | 1100000 | 29000 | 10300 | 44 | 21.0 | 6.0 | 2.2 |
| 80 08 26 1125 | | | .3 | 1 | 35082 | 6 | 10000 | 94000 | 900I | 200I | 4< | 21.5 | 3.0 | 4.4 |
| 80 09 23 1340 | | | .3 | 1 | 35093 | 6 | 64000C | 410000 | 1500> | 1500> | 600> | 18.0 | 7.5 | 2.4 |
| 80 10 28 1120 | | | .3 | 1 | 35104 | 6 9 | 4000 | 12700 | 600 | 3500 | 10< | 6.0 | 7.5 | 0.5 |
| 80 11 24 1615 | | | .3 | 1 | 35114 | 6 | 2600 | 9800 | 530 | 900 | 4< | 5.0 | 10.0 | 0.8 |
| MAXIMUM | | | | | | | 350000 | 1100000 | 29000> | 27100> | 600> | 21.5 | 11.5 | 4.4 |
| ARITH MEAN | | | | | | | 50022 | 194555 | 4334G | 4906B | 798 | 10.4 | 8.1 | 1.8 |
| GEOM MEAN | | | | | | | 9693 | 49313 | 1517G | 1061B | 148 | 5.2 | 7.6 | 1.5 |
| MINIMUM | | | | | | | 1500 | 9800 | 530 | 100< | 4< | 0.0 | 3.0 | 0.5 |
| STD DEV | | | | | | | 114188 | 362766 | 9288G | 8940B | 1988 | 8.9 | 2.7 | 1.1 |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 10 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 29 1310 | | | .3 | 1 | 0.066 | 0.030 | 0.075 | 0.720 | 0.015 | 3.400 | 3.490 | 0.645 | 4.135 | 530.00 |
| 80 02 26 1247 | | | .3 | 1 | 0.108 | 0.059 | 0.060 | 0.820 | 0.015 | 3.580 | 3.655 | 0.760 | 4.415 | 386.00 |
| 80 03 25 1023 | | | .3 | 1 | 0.480 | 0.109 | 0.075 | 3.000 | 0.028 | 3.720 | 3.823 | 2.925 | 6.748 | 316.00 |
| 80 05 28 1137 | | | .3 | 1 | 0.063 | 0.007 | 0.030 | 0.960 | 0.021 | 1.870 | 1.921 | 0.930 | 2.851 | 444.00 |
| 80 06 24 1000 | | | .3 | 1 | 0.087 | 0.017 | 0.080 | 0.960 | 0.086 | 4.500 | 4.666 | 0.880 | 5.546 | 534.00 |
| 80 07 29 1300 | | | .3 | 1 | 0.306 | 0.190 | 0.070 | 1.72 | 0.101 | 16.3 | 16.471 | 1.650 | 18.121 | 608.2 |
| 80 08 26 1125 | | | .3 | 1 | 0.190 | 0.074 | 0.695 | 1.85 | 0.061 | 1.24 | 1.996 | 1.155 | 3.151 | 609.2 |
| 80 09 23 1340 | | | .3 | 1 | 0.315 | 0.175 | 0.040 | 1.65 | 0.032 | 1.8 | 1.872 | 1.610 | 3.482 | 606.0 |
| 80 10 28 1120 | | | .3 | 1 | 0.068 | 0.042 | 0.125 | 0.94 | 0.014 | 3.9 | 4.039 | 0.815 | 4.854 | 563.1 |
| 80 11 24 1615 | | | .3 | 1 | 0.058 | 0.031 | 0.185 | 0.860 | 0.031 | 2.100 | 2.316 | 0.675 | 2.991 | 601.60 |
| MAXIMUM | | | | | 0.480 | 0.190 | 0.695 | 3.000 | 0.101 | 16.3 | 16.471 | 2.925 | 18.121 | 609.2 |
| ARITH MEAN | | | | | 0.174 | 0.073 | 0.143 | 1.34 | 0.040 | 4.2 | 4.425 | 1.204 | 5.629 | 519.8 |
| GEOM MEAN | | | | | 0.130 | 0.049 | 0.090 | 1.21 | 0.032 | 3.2 | 3.468 | 1.071 | 4.731 | 508.9 |
| MINIMUM | | | | | 0.058 | 0.007 | 0.030 | 0.720 | 0.014 | 1.24 | 1.872 | 0.645 | 2.851 | 316.00 |
| STD DEV | | | | | 0.146 | 0.065 | 0.199 | 0.71 | 0.031 | 4.3 | 4.350 | 0.703 | 4.559 | 103.9 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

(CONTD)

B O W / SITE: **TURKEY CREEK**
SAMPLE POINT: **AT COUNTY RD 19 SOUTH OF SOUTHWOLD**
STATION TYPE: **RIVER**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**
STATION ID: **04-0013-061-02**
STORET CODE: **00**
**003**
**2870**
LAT: LONG: U T M: **17 0470300.0 4739250.0 4** REGION: **01** DISTANCE: **163.344**

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | SIO3UR | ACDT | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | SILICATE UNF.REAC MG/L AS SI | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH |
| 80 01 29 1310 | | | 3 | 1 | 14.50 | 515.50 | 745.0 | 20.00 | 35.500 | 89.500 | 3.200 | 16.000 | 247 | 7.86 |
| 80 02 26 1247 | | | 3 | 1 | 10.00 | 376.00 | 570.0 | 16.00 | 33.500 | 62.500 | 2.500 | 16.300 | 173.0 | 7.72 |
| 80 03 25 1023 | | | 3 | 1 | 46.00 | 320.000 | 376.0 | 110.00 | 32.000 | 25.500 | 2.600 | 16.200 | 100.0 | 7.67 |
| 80 05 28 1137 | | | .3 | 1 | 13.00 | 431.00 | 650.0 | 13.00 | 28.000 | 65.500 | 0.420 | 19.700 | 239.0 | 7.95 |
| 80 06 24 1000 | | | 3 | 1 | 29.00 | 505.00 | 750.0 | 36.00 | 41.500 | 73.000 | 0.880 | 10.800 | 255.0 | 7.78 |
| 80 07 29 1300 | | | 3 | 1 | 37.1 | 571.1 | 550 | 49 | 31.5 | 37.5 | 4.60 | 12.8 | 131 | 7.58 |
| 80 08 26 1125 | | | 3 | 1 | 37.5 | 571.7 | 845 | 34 | 72.5 | 37.5 | 3.14 | 12.4 | 305 | 7.83 |
| 80 09 23 1340 | | | 3 | 1 | 38.6 | 567.4 | 865 | 44 | 130 | 55.5 | 4.20 | 9.7 | 190 | 7.89 |
| 80 10 28 1120 | | | 3 | 1 | 7.1 | 556.0 | 855 | 11 | 70.0 | 77.0 | | 3.9 | 258 | 8.08 |
| 80 11 24 1615 | | | 3 | 1 | 12.20 | 589.40 | 875.0 | 10.00 | 67.000 | 91.000 | | 13.600 | 259.0 | 8.03 |
| MAXIMUM | | | | | 46.00 | 589.40 | 875.0 | 110.00 | 130 | 91.000 | 4.60 | 19.700 | 305 | 8.08 |
| ARITH MEAN | | | | | 24.5 | 500.3 | 708 | 34 | 54 | 61.4 | 2.69 | 13.1 | 215 | 7.84 |
| GEOM MEAN | | | | | 20.2 | 491.3 | 687 | 25 | 47 | 57.1 | 2.16 | 12.2 | 205 | 7.84 |
| MINIMUM | | | | | 7.1 | 320.000 | 376.0 | 10.00 | 28.000 | 25.500 | 0.420 | 3.9 | 100.0 | 7.58 |
| STD DEV | | | | | 14.5 | 93.4 | 167 | 30 | 31 | 22.4 | 1.45 | 4.3 | 64 | 0.16 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 8 | 10 | 10 | 10 |

| TEST-NAME: | | | | | PHNOL | FEUT | HARDT | CAUR | MGUR | COLAP | KKUR | NAUR | COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O |
| 80 01 29 1310 | | | .3 | 1 | 1.000< | 1.120 | 371.000 | 111.000 | 22.800 | 21.000 | 2.35 | 18.200 | 17 |
| 80 02 26 1247 | | | 3 | 1 | 1.000< | 1.000 | | 79.000 | 14.800 | 40.000 | 2.50 | 16.200 | 29 |
| 80 03 25 1023 | | | 3 | 1 | 1.000< | 5.680 | | 47.500 | 7.800 | 150.000 | 3.45 | 16.900 | 55 |
| 80 05 28 1137 | | | 3 | 1 | 1.5 | 1.120 | | 92.500 | 23.000 | 36.000 | 1.35 | 15.800 | 35 |
| 80 06 24 1000 | | | 3 | 1 | 1.000< | 1.870 | 356.0 | 105.000 | 22.800 | 49.000 | 1.85 | 19.600 | 30 |
| 80 07 29 1300 | | | 3 | 1 | 1.0 < | 3.45 | 236 | 74.5 | 12.0 | 133 | 3.45 | 16.6 | 26 |
| 80 08 26 1125 | | | 3 | 1 | 1.0 < | 1.90 | 392 | 185 | 22.4 | 51 | 9.80 | 32.8 | 68 |
| 80 09 23 1340 | | | 3 | 1 | 1.0 < | 2.52 | 71 | 17.5 | 6.6 | 114 | 8.30 | 72 | 62 |
| 80 10 28 1120 | | | 3 | 1 | 1.0 < | 0.56 | 373 | 111.0 | 23.2 | 32 | 3.85 | 36.0 | 31 |
| 80 11 24 1615 | | | 3 | 1 | 1.000< | 0.560 | 376.000 | 109.000 | 25.200 | 21.000 | 3.45 | 32.4 | 28 |
| MAXIMUM | | | | | 1.5 | 5.680 | 392 | 185 | 25.200 | 150.000 | 9.80 | 72 | 68 |
| ARITH MEAN | | | | | 1.0 L | 1.97 | 310 | 93 | 18.0 | 64 | 4.03 | 27 | 38 |
| GEOM MEAN | | | | | 1.0 L | 1.52 | 275 | 80 | 16.4 | 50 | 3.37 | 24 | 36 |
| MINIMUM | | | | | 1.000< | 0.56 | 71 | 17.5 | 6.6 | 21.000 | 1.35 | 15.800 | 17 |
| STD DEV | | | | | 0.1 L | 1.68 | 117 | 44 | 7.0 | 48 | 2.78 | 17 | 17 |
| NO OF SAMPLES | | | | | 10 | 10 | 7 | 10 | 10 | 10 | 10 | 10 | 10 |

B O W / SITE: **TROUT CREEK**
SAMPLE POINT: **AT PERTH COUNTY ROAD NO 28 ST.MARY'S**
STATION TYPE: **RIVER FLOW GAUGE FED 02GD009**
MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **THAMES RIVER**
STATION ID: **04-0013-064-02**
STORET CODE: **02**
**003**
**2870**
LAT: LONG: U T M: **17 0492200.0 4790750.0 4** REGION: **01** DISTANCE: **258.936**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 01 21 1430 | | | .3 | 1 | 33010 | 6 | 1.970 | 390C | 3000 | 40 | 588 | 4< | 2.0 | 10.0 |
| 80 02 18 1500 | | | .3 | 1 | 33031 | 6 | 0.311 | 80I | 800 | 4< | 20 | 4< | 0.0 | 9.0 |
| 80 03 17 1550 | | | .3 | 1 | 33049 | 6 3 | 0.453 | 460C | 5400 | 128 | 188 | 4< | 1.0 | 8.0 |
| 80 04 21 1425 | | | .3 | 1 | 33071 | 6 | 3.360 | 12 | 412 | 12 | 4< | 4< | 7.0 | 10.0 |
| 80 05 14 1330 | | | .3 | 1 | 33093 | 6 | 0.986 | 60I | 480 | 40 | 12 | 4< | 13.0 | 10.0 |
| 80 06 16 1400 | | | .3 | 1 | 33115 | 8 | 1.210 | 90I | 14000 | 104 | 52 | 4< | 17.0 | 8.0 |
| 80 07 21 1450 | | | .3 | 1 | 33137 | 7 6 | 1.410 | 190C | 24000> | 188 | 160 | 4 | 22.0 | 6.5 |
| 80 08 18 1340 | | | 3 | 1 | 33159 | 5 8 | 3.640 | 800C | | 340 | 132 | 4< | 23.0 | 6.5 |
| 80 09 15 1430 | | | .3 | 1 | 33181 | 9 7 | 3.470 | 1000 | 21000 | 320 | 112 | 4< | 18.0 | 8.0 |
| 80 10 20 1350 | | | 3 | 1 | 33204 | 6 9 | 2.970 | 490C | 3700 | 190 | 164 | 4< | 10.0 | 9.0 |
| 80 11 17 1356 | | | .3 | 1 | 33226 | 6 | 2.090 | 370 | 1000 | 350 | 120 | 4< | 0.0 | 8.0 |
| 80 12 15 1430 | | | .3 | 1 | 33245 | 8 | 1.540 | 1000 | 12700 | 230 | 600> | 4< | 2.0 | 9.0 |
| MAXIMUM | | | | | | | 3.640 | 1000 | 24000> | 350 | 600> | 4 | 23.0 | 10.0 |
| ARITH MEAN | | | | | | | 1.951 | 412 | 7863G | 162L | 1798 | 4L | 9.6 | 8.5 |
| GEOM MEAN | | | | | | | 1.648 | 233 | 3460G | 91L | 868 | 4L | 5.4 | 8.4 |
| MINIMUM | | | | | | | 0.311 | 12 | 412 | 4< | 4< | 4< | 0.0 | 6.5 |
| STD DEV | | | | | | | 1.171 | 357 | 86490 | 128L | 2038 | 0L | 8.8 | 1.2 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 11 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 01 21 1430 | | | .3 | 1 | 1.1 | 0.105 | 0.025 | 0.285 | 0.790 | 0.023 | 3.530 | 3.838 | 0.505 | 4.343 |
| 80 02 18 1500 | | | .3 | 1 | 0.1< | 0.047 | 0.008 | 0.290 | 0.640 | 0.019 | 2.330 | 2.639 | 0.350 | 2.989 |
| 80 03 17 1550 | | | .3 | 1 | 3.4 | 0.111 | 0.007 | 0.445 | 1.340 | 0.020 | 1.530 | 1.995 | 0.895 | 2.890 |
| 80 04 21 1425 | | | .3 | 1 | 1.5 | 0.076 | 0.032 | 0.280 | 0.770 | 0.023 | 2.500 | 2.803 | 0.490 | 3.293 |
| 80 05 14 1330 | | | .3 | 1 | 2.2 | 0.061 | 0.002 | 0.025 | 0.810 | 0.023 | 2.480 | 2.528 | 0.785 | 3.313 |
| 80 06 16 1400 | | | .3 | 1 | 1.7 | 0.072 | 0.010 | 0.105 | 0.760 | 0.041 | 1.800 | 1.946 | 0.655 | 2.601 |
| 80 07 21 1450 | | | .3 | 1 | 1.0 | 0.026 | 0.002 | 0.120 | 0.660 | 0.072 | 0.930 | 1.122 | 0.540 | 1.662 |
| 80 08 18 1340 | | | .3 | 1 | 2.8 | 0.095 | 0.003 | 0.055 | 1.070 | 0.036 | 0.470 | 0.561 | 1.015 | 1.576 |
| 80 09 15 1430 | | | .3 | 1 | 2.3 | 0.150 | 0.003 | 0.060 | 1.24 | 0.013 | 0.03 | 0.103 | 1.180 | 1.283 |
| 80 10 20 1350 | | | .3 | 1 | 2.5 | 0.118 | 0.004 | 0.215 | 1.34 | 0.012 | 0.17 | 0.397 | 1.125 | 1.522 |
| 80 11 17 1356 | | | .3 | 1 | 3.0 | 0.105 | 0.011 | 0.525 | 1.41 | 0.015 | 0.98 | 1.520 | 0.885 | 2.405 |
| 80 12 15 1430 | | | .3 | 1 | 4.2 | 0.280 | 0.004 | 0.270 | 1.360 | 0.024 | 3.580 | 3.874 | 1.090 | 4.964 |
| MAXIMUM | | | | | 4.2 | 0.280 | 0.032 | 0.525 | 1.41 | 0.072 | 3.580 | 3.874 | 1.180 | 4.964 |
| ARITH MEAN | | | | | 2.1L | 0.104 | 0.009 | 0.223 | 1.01 | 0.027 | 1.69 | 1.944 | 0.793 | 2.737 |
| GEOM MEAN | | | | | 1.7L | 0.089 | 0.006 | 0.182 | 0.97 | 0.023 | 1.00 | 1.366 | 0.742 | 2.518 |
| MINIMUM | | | | | 0.1< | 0.026 | 0.002 | 0.025 | 0.640 | 0.012 | 0.03 | 0.103 | 0.350 | 1.283 |
| STD DEV | | | | | 1.1L | 0.065 | 0.010 | 0.168 | 0.30 | 0.017 | 1.21 | 1.269 | 0.281 | 1.148 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

(CONTD)

| TEST-NAME: | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 21 1430 | | .3 | 1 | 300.0 | 14.0 | 286.0 | 490.0 | 16.00 | 10.000 | 7.82 |
| 80 02 18 1500 | | .3 | 1 | 382.0 | 17.5 | 364.5 | 585.0 | 12.00 | 9.500 | 7.88 |
| 80 03 17 1550 | | .3 | 1 | 360.0 | 38.0 | 322.0 | 535.0 | 28.00 | 32.000 | 7.60 |
| 80 04 21 1425 | | .3 | 1 | 208.0 | 11.0 | 224.000 | 344.0 | 9.80 | 9.000 | 8.18 |
| 80 05 14 1330 | | .3 | 1 | 242.0 | 21.0 | 246.000 | 378.0 | 10.00 | 10.000 | 8.59 |
| 80 06 16 1400 | | .3 | 1 | 298.0 | 21.0 | 277.0 | 400.0 | 15.00 | 10.000 | 8.23 |
| 80 07 21 1450 | | .3 | 1 | 290.0 | 4.9 | 285.1 | 412.0 | 2.20 | 11.000 | 8.24 |
| 80 08 18 1340 | | .3 | 1 | 302.2 | 29.1 | 248.000 | 382.0 | 18.00 | 10.000 | 8.33 |
| 80 09 15 1430 | | .3 | 1 | 260.4 | 54.9 | 205.5 | 360 | 32 | 12.5 | 8.25 |
| 80 10 20 1350 | | .3 | 1 | 258.8 | 28.3 | 230.5 | 403 | 21 | 9.5 | 8.15 |
| 80 11 17 1356 | | .3 | 1 | 355.6 | 36.3 | 319.3 | 489 | 18 | 12.0 | 8.12 |
| 80 12 15 1430 | | .3 | 1 | 450.8 | 86.3 | 364.5 | 550.0 | 14.00 | 14.000 | 7.86 |
| | | MAXIMUM | | **450.8** | **86.3** | **364.5** | **585.0** | **32** | **32.000** | **8.59** |
| | | ARITH MEAN | | **309.0** | **30.2** | **281.0** | **444** | **16** | **12.4** | **8.10** |
| | | GEOM MEAN | | **302.4** | **23.7** | **276.5** | **437** | **13** | **11.6** | **8.10** |
| | | MINIMUM | | **208.0** | **4.9** | **205.5** | **344.0** | **2.20** | **9.000** | **7.60** |
| | | STD DEV | | **87.7** | **22.3** | **53.0** | **81** | **8** | **6.3** | **0.27** |
| | | NO OF SAMPLES | | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

B.O.W./ SITE: **SHARON CREEK**
SAMPLE POINT: **AT SHARON RESERVOIR OUTLET**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-065-02**
STORET CODE: **02**
**003**
**2870**

LAT: LONG: U T M: **17 0467200.0 4747900.0 4** REGION: **01** DISTANCE: **172.517**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 29 1345 | | .3 | 1 | 35009 | 6 | 750 | 1380 | 20I | 10< | 4< | 0.5 | 11.0 | 0.6 |
| 80 02 26 1320 | | .3 | 1 | 35019 | 6 | | | | | | 2.0 | 11.5 | 1.6 |
| 80 03 25 1100 | | .3 | 1 | 35029 | 6 | 520C | 5400 | 140 | 1500> | 4< | 1.5 | 8.5 | 2.8 |
| 80 04 29 1415 | | .3 | 1 | 35039 | 6 | 10< | | 10< | 10< | 4< | 10.5 | 14.0 | 4.5 |
| 80 05 28 1215 | | .3 | 1 | 35050 | 6 | 24C | 2960 | 4 | 4< | 4< | 19.0 | 13.5 | 2.6 |
| 80 06 24 1030 | | .3 | 1 | 35061 | 6 | 400C | 5500 | 4 | 24 | 4< | 23.0 | 11.0 | 2.0 |
| 80 07 29 1330 | | .3 | 1 | 35072 | 6 | 4100 | 14600 | 240 | 164 | 8 | 20.0 | 9.5 | 1.5 |
| 80 08 26 1150 | | .3 | 1 | 35083 | 6 | 180C | 6600 | 10< | 10I | 4 | 25.5 | 12.0 | 1.6 |
| 80 09 23 1408 | | .3 | 1 | 35094 | 6 | 1000 | 6000 | 44 | 48 | 4< | 20.0 | 8.5 | 1.4 |
| 80 10 28 1147 | | .3 | 1 | 35105 | 6 | 570 | 2000 | 144 | 52 | 4< | 8.5 | 8.5 | 0.9 |
| 80 11 24 1645 | | .3 | 1 | 35115 | 6 | 20I | 690 | 40I | 10< | 4< | 4.0 | 10.5 | 0.6 |
| | | MAXIMUM | | | | **4100** | **14600** | **240** | **1600>** | **8** | **25.5** | **14.0** | **4.5** |
| | | ARITH MEAN | | | | **757L** | **6014** | **66L** | **1638** | **4L** | **12.2** | **10.8** | **1.8** |
| | | GEOM MEAN | | | | **224L** | **3581** | **28L** | **306** | **4L** | **7.1** | **10.6** | **1.5** |
| | | MINIMUM | | | | **10<** | **690** | **4<** | **4<** | **4<** | **0.5** | **8.5** | **0.6** |
| | | STD DEV | | | | **1221L** | **4198** | **81L** | **4658** | **1L** | **9.5** | **1.8** | **1.1** |
| | | NO OF SAMPLES | | | | **10** | **9** | **10** | **10** | **10** | **11** | **11** | **11** |

| TEST-NAME: | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 29 1345 | | .3 | 1 | 0.145 | 0.107 | 0.230 | 0.950 | 0.054 | 6.500 | 6.784 | 0.720 | 7.504 | 314.0 |
| 80 02 26 1320 | | .3 | 1 | 0.119 | 0.068 | 0.515 | 1.250 | 0.113 | 6.340 | 6.968 | 0.735 | 7.703 | 380.0 |
| 80 03 25 1100 | | .3 | 1 | 0.315 | 0.164 | 0.740 | 2.000 | 0.056 | 3.590 | 4.386 | 1.260 | 5.646 | 330.0 |
| 80 04 29 1415 | | .3 | 1 | 0.158 | 0.111 | 0.200 | 0.620 | 0.040 | 4.810 | 5.050 | 0.420 | 5.470 | 282.0 |
| 80 05 28 1215 | | .3 | 1 | 0.028 | 0.001 | 0.030 | 1.060 | 0.049 | 3.600 | 3.679 | 1.030 | 4.709 | 262.0 |
| 80 06 24 1030 | | .3 | 1 | 0.025 | 0.002 | 0.025 | 0.910 | 0.121 | 4.500 | 4.646 | 0.885 | 5.531 | 314.0 |
| 80 07 29 1330 | | .3 | 1 | 0.037 | 0.005 | 0.030 | 0.78 | 0.105 | 4.8 | 4.935 | 0.750 | 5.685 | 364.5 |
| 80 08 26 1150 | | .3 | 1 | 0.020 | 0.004 | 0.025 | 0.910 | 0.097 | 6.300 | 6.422 | 0.885 | 7.307 | 318.6 |
| 80 09 23 1408 | | .3 | 1 | 0.024 | 0.003 | 0.080 | 0.88 | 0.123 | 4.4 | 4.603 | 0.800 | 5.403 | 302.7 |
| 80 10 28 1147 | | .3 | 1 | 0.046 | 0.006 | 0.280 | 1.14 | 0.103 | 3.5 | 3.883 | 0.860 | 4.743 | 336.0 |
| 80 11 24 1645 | | .3 | 1 | 0.025 | 0.002 | 0.190 | 0.960 | 0.072 | 3.400 | 3.662 | 0.770 | 4.432 | 352.2 |
| | | MAXIMUM | | **0.315** | **0.164** | **0.740** | **2.000** | **0.123** | **6.500** | **6.968** | **1.260** | **7.703** | **380.0** |
| | | ARITH MEAN | | **0.086** | **0.043** | **0.213** | **1.04** | **0.085** | **4.7** | **5.002** | **0.829** | **5.830** | **323.3** |
| | | GEOM MEAN | | **0.064** | **0.011** | **0.114** | **0.99** | **0.079** | **4.5** | **4.877** | **0.803** | **5.732** | **321.6** |
| | | MINIMUM | | **0.020** | **0.001** | **0.025** | **0.620** | **0.040** | **3.400** | **3.662** | **0.420** | **4.432** | **282.0** |
| | | STD DEV | | **0.092** | **0.059** | **0.230** | **0.36** | **0.031** | **1.1** | **1.206** | **0.208** | **1.155** | **34.7** |
| | | NO OF SAMPLES | | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** |

| TEST-NAME: | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 29 1345 | | .3 | 1 | 3.5 | 310.5 | 464.0 | 18.00 | 20.500 | 7.94 |
| 80 02 26 1320 | | .3 | 1 | 5.0 | 375.0 | 570.0 | 12.00 | 29.000 | 7.90 |
| 80 03 25 1100 | | .3 | 1 | 52.0 | 218.000 | 335.0 | 110.00 | 16.000 | 7.73 |
| 80 04 29 1415 | | .3 | 1 | 14.5 | 267.5 | 430.0 | 9.30 | 30.000 | 8.18 |
| 80 05 28 1215 | | .3 | 1 | 4.0 | 258.0 | 348.0 | 3.70 | 23.000 | 8.59 |
| 80 06 24 1030 | | .3 | 1 | 19.0 | 295.0 | 428.0 | 12.00 | 27.000 | 8.46 |
| 80 07 29 1330 | | .3 | 1 | 5.8 | 358.7 | 433 | 7.3 | 27.0 | 8.51 |
| 80 08 26 1150 | | .3 | 1 | 1.2 | 317.4 | 435.0 | 4.20 | 28.000 | 8.67 |
| 80 09 23 1408 | | .3 | 1 | 5.7 | 297.0 | 448 | 5.3 | 27 | 8.38 |
| 80 10 28 1147 | | .3 | 1 | 11.5 | 324.5 | 488 | 21 | 30.5 | 8.16 |
| 80 11 24 1645 | | .3 | 1 | 8.8 | 343.4 | 522.0 | 9.80 | 32.500 | 8.16 |
| | | MAXIMUM | | **52.0** | **375.0** | **570.0** | **110.00** | **32.500** | **8.67** |
| | | ARITH MEAN | | **11.9** | **305.9** | **445** | **19** | **26** | **8.24** |
| | | GEOM MEAN | | **7.6** | **302.5** | **440** | **11** | **26** | **8.24** |
| | | MINIMUM | | **1.2** | **218.000** | **335.0** | **3.70** | **16.000** | **7.73** |
| | | STD DEV | | **14.3** | **46.0** | **67** | **30** | **4** | **0.31** |
| | | NO OF SAMPLES | | **11** | **11** | **11** | **11** | **11** | **11** |

B.O.W./SITE **TROUT CREEK**
SAMPLE POINT **AT WEST ZORRA TWP.CONC.ROAD 2-3**
STATION TYPE **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-086-02**
STORET CODE: **02**
**083**
**2870**

LAT LONG U T M: **17 0501200.0 4790850.0 4** REGION: **01** DISTANCE: [illegible]

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 21 1410 | | | .3 | 1 | 33009 | 6 | 110 | 1560 | 4 | 164 | 4< | 0.0 | 13.0 | 0.9 |
| 80 02 18 1430 | | | .3 | 1 | 33030 | 6 | 40I | 660 | 4< | 4< | 4< | 0.0 | 10.5 | 0.1< |
| 80 03 17 1520 | | | .3 | 1 | 33048 | 6 3 9 | 8400C | 68000 | 600> | 600> | | 1.0 | 10.0 | 7.2 |
| 80 04 21 1355 | | | .3 | 1 | 33070 | 6 | 88C | 1440 | 4 | 4< | 4< | 12.0 | 9.5 | 1.2 |
| 80 05 14 1305 | | | .3 | 1 | 33092 | 6 | 540 | 2300 | 480 | 44 | 4< | 11.0 | 10.0 | 1.4 |
| 80 06 16 1335 | | | .3 | 1 | 33114 | 8 | 360C | 5600 | 288 | 40 | 4< | 16.0 | 12.0 | 1.2 |
| 80 07 21 1430 | | | .3 | 1 | 33136 | 9 8 5 | 600C | 15000 | 372 | 132 | 4< | 25.5 | 9.0 | 1.3 |
| 80 08 18 1320 | | | .3 | 1 | 33158 | 9 | 1300 | | 272 | 136 | 4< | 18.0 | 8.0 | 1.4 |
| 80 09 15 1400 | | | .3 | 1 | 33180 | 6 | 2600 | 9800 | 600> | 104 | 4< | 16.0 | 10.5 | 0.8 |
| 80 10 20 1330 | | | .3 | 1 | 33203 | 6 8 | 1200 | 7200 | 380 | 160 | 4< | 8.0 | 10.0 | 1.0 |
| 80 11 17 1334 | | | .3 | 1 | 33225 | 6 | 30 | 410 | 10I | 10I | 4< | 1.0 | 9.5 | 0.4 |
| MAXIMUM | | | | | | | **8400** | **68000** | **600>** | **600>** | **4** | **25.5** | **13.0** | **7.2** |
| ARITH MEAN | | | | | | | **1388** | **11197** | **274B** | **127B** | **4L** | **9.9** | **10.2** | **1.5L** |
| GEOM MEAN | | | | | | | **404** | **3769** | **83B** | **52B** | **4L** | **5.4** | **10.1** | **1.0L** |
| MINIMUM | | | | | | | **30** | **410** | **4<** | **4<** | **4<** | **0.0** | **8.0** | **0.1<** |
| STD DEV | | | | | | | **2461** | **20507** | **238B** | **169B** | **0L** | **8.6** | **1.4** | **1.9L** |
| NO OF SAMPLES | | | | | | | **11** | **10** | **11** | **11** | **10** | **11** | **11** | **11** |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 21 1410 | | | .3 | 1 | 0.036 | 0.017 | 0.035 | 0.490 | 0.012 | 4.190 | 4.237 | 0.455 | 4.692 | 346.0 |
| 80 02 18 1430 | | | .3 | 1 | 0.017 | 0.008 | 0.015 | 0.310 | 0.012 | 3.240 | 3.267 | 0.295 | 3.562 | 376.0 |
| 80 03 17 1520 | | | .3 | 1 | 0.580 | 0.114 | 0.775 | 3.380 | 0.031 | 1.740 | 2.546 | 2.605 | 5.151 | 358.0 |
| 80 04 21 1355 | | | .3 | 1 | 0.031 | 0.010 | 0.010 | 0.460 | 0.023 | 3.380 | 3.413 | 0.450 | 3.863 | 332.0 |
| 80 05 14 1305 | | | .3 | 1 | 0.025 | 0.004 | 0.015 | 0.560 | 0.019 | 1.970 | 2.004 | 0.545 | 2.549 | 334.0 |
| 80 06 16 1335 | | | .3 | 1 | 0.079 | 0.004 | 0.010 | 0.490 | 0.025 | 1.900 | 1.935 | 0.480 | 2.415 | 376.0 |
| 80 07 21 1430 | | | .3 | 1 | 0.056 | 0.005 | 0.020 | 0.620 | 0.014 | 1.260 | 1.294 | 0.600 | 1.894 | 363.0 |
| 80 08 18 1320 | | | .3 | 1 | 0.030 | 0.005 | 0.015 | 0.480 | 0.007 | 1.140 | 1.162 | 0.465 | 1.627 | 396.8 |
| 80 09 15 1400 | | | .3 | 1 | 0.024 | 0.004 | 0.010 | 0.54 | 0.011 | 1.43 | 1.451 | 0.530 | 1.981 | 330.4 |
| 80 10 20 1330 | | | .3 | 1 | 0.052 | 0.022 | 0.010 | 0.78 | 0.074 | 3.5 | 3.584 | 0.770 | 4.354 | 416.4 |
| 80 11 17 1334 | | | .3 | 1 | 0.012 | 0.006 | 0.005 | 0.49 | 0.008 | 3.3 | 3.313 | 0.485 | 3.798 | 421.3 |
| MAXIMUM | | | | | **0.580** | **0.114** | **0.775** | **3.380** | **0.074** | **4.190** | **4.237** | **2.605** | **5.151** | **421.3** |
| ARITH MEAN | | | | | **0.088** | **0.018** | **0.084** | **0.78** | **0.021** | **2.4** | **2.584** | **0.698** | **3.262** | **368.2** |
| GEOM MEAN | | | | | **0.041** | **0.009** | **0.019** | **0.60** | **0.017** | **2.2** | **2.360** | **0.575** | **3.042** | **366.9** |
| MINIMUM | | | | | **0.012** | **0.004** | **0.005** | **0.310** | **0.007** | **1.140** | **1.162** | **0.295** | **1.627** | **330.4** |
| STD DEV | | | | | **0.166** | **0.032** | **0.229** | **0.86** | **0.019** | **1.0** | **1.068** | **0.643** | **1.223** | **32.6** |
| NO OF SAMPLES | | | | | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 21 1410 | | | .3 | 1 | 6.0 | 340.0 | 570.0 | 5.70 | 12.000 | 8.04 |
| 80 02 18 1430 | | | .3 | 1 | | | 595.0 | 3.60 | 10.000 | 8.05 |
| 80 03 17 1520 | | | .3 | 1 | 213.0 | 133.000 | 204.0 | 57.00 | 6.000 | 7.57 |
| 80 04 21 1355 | | | .3 | 1 | 7.5 | 324.5 | 535.0 | 4.60 | 12.000 | 8.23 |
| 80 05 14 1305 | | | .3 | 1 | 3.0 | 331.0 | 522.0 | 1.70 | 11.500 | 8.19 |
| 80 06 16 1335 | | | .3 | 1 | 4.0 | 372.0 | 550.0 | 3.00 | 11.000 | 8.32 |
| 80 07 21 1430 | | | .3 | 1 | 4.9 | 358.1 | 520.0 | 1.70 | 9.000 | 8.34 |
| 80 08 18 1320 | | | .3 | 1 | 7.7 | 389.1 | 550.0 | 3.90 | 10.000 | 8.17 |
| 80 09 15 1400 | | | .3 | 1 | 2.6 | 327.8 | 540 | 1.4 | 12.0 | 8.26 |
| 80 10 20 1330 | | | .3 | 1 | 4.7 | 411.7 | 660 | 2.2 | 22.5 | 8.04 |
| 80 11 17 1334 | | | .3 | 1 | 2.2 | 419.1 | 630 | 1.5 | 15.0 | 8.08 |
| MAXIMUM | | | | | **213.0** | **419.1** | **660** | **57.00** | **22.5** | **8.34** |
| ARITH MEAN | | | | | **25.6** | **340.6** | **534** | **7.8** | **11.9** | **8.12** |
| GEOM MEAN | | | | | **6.4** | **327.6** | **515** | **3.4** | **11.3** | **8.11** |
| MINIMUM | | | | | **2.2** | **133.000** | **204.0** | **1.4** | **6.000** | **7.57** |
| STD DEV | | | | | **65.9** | **80.6** | **118** | **16.3** | **4.1** | **0.21** |
| NO OF SAMPLES | | | | | **10** | **10** | **11** | **11** | **11** | **11** |

B.O.W./ SITE: **NORTH THAMES RIVER**
SAMPLE POINT: **2 MILES UPSTREAM FROM ST.MARY'S**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-067-02**
STORET CODE: **02**
**003**
**0101**

LAT: LONG: U T M: **17 0486300.0 4792500.0 4** REGION: **01** DISTANCE: **258.775**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 21 1050 | | | .3 | 1 | 33003 | 6 | 350 | 1110 | 28 | 352 | 4< | 0.0 | 14.0 | 0.8 |
| 80 02 18 1050 | | | .3 | 1 | 33024 | 6 | 570 | 1790 | 44 | 76 | 4< | 0.0 | 11.5 | 0.9 |
| 80 04 21 1035 | | | .3 | 1 | 33064 | 6 | 60I | 2100 | 4 | 4 | 4< | 10.0 | 10.5 | 1.5 |
| 80 05 14 1015 | | | .3 | 1 | 33086 | 6 | 17300> | 26000 | 600> | 600> | 16 | 11.0 | 7.0 | 3.2 |
| 80 06 16 1030 | | | .3 | 1 | 33108 | 8 | 1500 | 8200 | 190 | 10I | 4< | 14.5 | 8.5 | 1.6 |
| 80 07 21 1040 | | | .3 | 1 | 33130 | 6 8 | 2300 | 27500 | 600> | 368 | 4< | 25.0 | 6.0 | 1.5 |
| 80 08 18 1007 | | | .3 | 1 | 33152 | 8 6 | 1300C | | 230 | 90I | 4< | 19.5 | 5.5 | 1.5 |
| 80 09 15 1045 | | | .3 | 1 | 33174 | 6 | 400C | 16000 | 400 | 146 | 4< | 14.0 | 8.5 | 1.1 |
| 80 10 20 1030 | | | .3 | 1 | 33197 | 6 | 740C | 4700 | 170 | 168 | 4 | 7.0 | 10.0 | 1.1 |
| 80 11 17 1039 | | | .3 | 1 | 33219 | 6 | 70I | 150 | 40I | 20I | 4< | 0.0 | 13.5 | 1.2 |
| 80 12 15 1025 | | | .3 | 1 | 33241 | 6 | 476C | 2680 | 40 | 468 | 4< | 0.0 | 10.0 | 0.6 |
| MAXIMUM | | | | | | | 17300> | 27500 | 600> | 600> | 16 | 25.0 | 14.0 | 3.2 |
| ARITH MEAN | | | | | | | 2279G | 9023 | 213G | 209G | 6L | 9.2 | 9.5 | 1.4 |
| GEOM MEAN | | | | | | | 653G | 3863 | 98G | 94G | 6L | 6.2 | 9.2 | 1.2 |
| MINIMUM | | | | | | | 60 | 150 | 4 | 4 | 4< | 0.0 | 5.5 | 0.6 |
| STD DEV | | | | | | | 5028G | 10432 | 224G | 206G | 4L | 8.7 | 2.8 | 0.7 |
| NO OF SAMPLES | | | | | | | 11 | 10 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 21 1050 | | | .3 | 1 | 0.072 | 0.059 | 0.225 | 0.700 | 0.028 | 5.470 | 5.723 | 0.475 | 6.198 | 404.0 |
| 80 02 18 1050 | | | .3 | 1 | 0.128 | 0.098 | 0.955 | 1.150 | 0.027 | 5.470 | 6.452 | 0.195 | 6.647 | 574.0 |
| 80 04 21 1035 | | | .3 | 1 | 0.035 | 0.011 | 0.010 | 0.590 | 0.028 | 5.270 | 5.308 | 0.580 | 5.888 | 358.0 |
| 80 05 14 1015 | | | .3 | 1 | 0.102 | 0.028 | 0.220 | 1.130 | 0.670 | 3.280 | 4.170 | 0.910 | 5.080 | 328.0 |
| 80 06 16 1030 | | | .3 | 1 | 0.041 | 0.009 | 0.015 | 0.750 | 0.025 | 2.600 | 2.640 | 0.735 | 3.375 | 440.0 |
| 80 07 21 1040 | | | .3 | 1 | 0.111 | 0.010 | 0.050 | 0.960 | 0.006 | 0.320 | 0.376 | 0.910 | 1.286 | 514.0 |
| 80 08 18 1007 | | | .3 | 1 | 0.091 | 0.018 | 0.050 | 0.950 | 0.011 | 1.380 | 1.441 | 0.900 | 2.341 | 619.2 |
| 80 09 15 1045 | | | .3 | 1 | 0.036 | 0.004 | 0.010 | 0.60 | 0.010 | 1.48 | 1.500 | 0.590 | 2.090 | 426 |
| 80 10 20 1030 | | | .3 | 1 | 0.034 | 0.008 | 0.005 | 0.67 | 0.038 | 6.1 | 6.143 | 0.665 | 6.808 | 446.2 |
| 80 11 17 1039 | | | .3 | 1 | 0.119 | 0.095 | 0.210 | 0.82 | 0.030 | 6.5 | 6.740 | 0.610 | 7.350 | 535.8 |
| 80 12 15 1025 | | | .3 | 1 | 0.230 | 0.145 | 0.090 | 0.860 | 0.060 | 10.400 | 10.550 | 0.770 | 11.320 | 508.4 |
| MAXIMUM | | | | | 0.230 | 0.145 | 0.955 | 1.150 | 0.670 | 10.400 | 10.550 | 0.910 | 11.320 | 619.2 |
| ARITH MEAN | | | | | 0.091 | 0.044 | 0.167 | 0.83 | 0.085 | 4.3 | 4.640 | 0.667 | 5.308 | 468 |
| GEOM MEAN | | | | | 0.078 | 0.024 | 0.056 | 0.81 | 0.030 | 3.2 | 3.427 | 0.622 | 4.486 | 460 |
| MINIMUM | | | | | 0.034 | 0.004 | 0.005 | 0.590 | 0.006 | 0.320 | 0.376 | 0.195 | 1.286 | 328.0 |
| STD DEV | | | | | 0.069 | 0.048 | 0.278 | 0.19 | 0.196 | 2.9 | 2.983 | 0.216 | 2.909 | 90 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 21 1050 | | | .3 | 1 | 0.5 | 403.5 | 610.0 | 3.40 | 21.000 | 8.18 |
| 80 02 18 1050 | | | .3 | 1 | | | 925.0 | 1.50 | 69.500 | 7.86 |
| 80 04 21 1035 | | | .3 | 1 | 4.5 | 353.5 | 570.0 | 4.20 | 21.500 | 8.44 |
| 80 05 14 1015 | | | .3 | 1 | 7.0 | 321.0 | 518.0 | 7.00 | 24.500 | 8.02 |
| 80 06 16 1030 | | | .3 | 1 | 5.0 | 435.0 | 715.0 | 2.50 | 44.500 | 8.18 |
| 80 07 21 1040 | | | .3 | 1 | 38.1 | 475.9 | 700.0 | 5.90 | 65.500 | 8.04 |
| 80 08 18 1007 | | | .3 | 1 | 18.9 | 600.3 | 810.0 | 9.10 | 73.500 | 8.05 |
| 80 09 15 1045 | | | .3 | 1 | 3.7 | 422.3 | 620 | 2.5 | 55 | 8.18 |
| 80 10 20 1030 | | | .3 | 1 | 3.3 | 442.9 | 695 | 2.1 | 37.0 | 8.18 |
| 80 11 17 1039 | | | .3 | 1 | 1.5 | 534.3 | 805 | 0.75 | 49.0 | 8.26 |
| 80 12 15 1025 | | | .3 | 1 | 3.6 | 504.8 | 785.0 | 1.60 | 36.500 | 8.01 |
| MAXIMUM | | | | | 38.1 | 600.3 | 925.0 | 9.10 | 73.500 | 8.44 |
| ARITH MEAN | | | | | 8.6 | 449.3 | 704 | 3.6 | 46 | 8.13 |
| GEOM MEAN | | | | | 4.5 | 442.4 | 695 | 2.9 | 41 | 8.13 |
| MINIMUM | | | | | 0.5 | 321.0 | 518.0 | 0.75 | 21.000 | 7.86 |
| STD DEV | | | | | 11.8 | 83.3 | 120 | 2.8 | 19 | 0.15 |
| NO OF SAMPLES | | | | | 10 | 10 | 11 | 11 | 11 | 11 |

B.O.W / SITE: **REYNOLD'S CREEK**
SAMPLE POINT: **AT C/A AREA SOUTH OF HIGHWAY 401**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **THAMES RIVER**

STATION ID: **04-0013-068-02**
STORET CODE: **02**
**083**
**3870**

LAT:
LONG:
U T M: **17 0503900.0 4757450.0 4**
REGION: **01**
DISTANCE: **237.533**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 23 1155 | | | .3 | 1 | 33015 | 6 | 3500 | 3800 | 148 | 520 | 4< | 0.0 | 12.0 | 1.0 |
| 80 02 19 1145 | | | .3 | 1 | 33036 | 6 | 1900 | 5400 | 40I | 210 | 4< | 0.0 | 11.0 | 0.7 |
| 80 03 19 1120 | | | .3 | 1 | 33054 | 6 3 | 11200C | 44000 | 1500> | 1500> | | 1.0 | 9.5 | 5.6 |
| 80 04 22 1135 | | | .3 | 1 | 33076 | 6 | 42000 | 220000 | 650 | 1120 | 4< | 9.0 | 9.0 | 1.8 |
| 80 05 20 1125 | | | .3 | 1 | 33098 | 6 | 12000 | 27000 | 500 | 1500> | 4< | 12.0 | 8.5 | 1.4 |
| 80 06 18 1120 | | | .3 | 1 | 33120 | 6 | 3900 | 20000 | 800I | 100I | 4 | 14.5 | 7.0 | 1.1 |
| 80 07 23 1055 | | | .3 | 1 | 33142 | 6 8 | 17700> | 70000 | | 1500> | 8 | 19.0 | 6.0 | 1.0 |
| 80 08 20 1100 | | | .3 | 1 | 33164 | 6 8 | 33000 | | 1500> | 440 | 4 | 19.0 | 6.0 | 1.0 |
| 80 09 17 1115 | | | .3 | 1 | 33186 | 6 8 | 28000C | 287000 | 5600 | 1500> | 12 | 15.0 | 7.0 | 1.1 |
| 80 10 22 1115 | | | .3 | 1 | 33209 | 6 8 | 27000 | 38000 | 10400 | 8800 | 4< | 8.0 | 9.0 | 1.7 |
| 80 11 19 1120 | | | .3 | 1 | 33231 | 6 8 | 1200 | 4500 | 170 | 120 | 4< | 2.0 | 10.5 | 1.3 |
| 80 12 17 1120 | | | .3 | 1 | 33250 | 6 8 | 6800 | 8300 | 256 | 600> | 4< | 0.0 | 11.0 | 1.3 |
| MAXIMUM | | | | | | | 42000> | 287000 | 10400> | 8800> | 12 | 19.0 | 12.0 | 5.6 |
| ARITH MEAN | | | | | | | 15883G | 66182 | 1960G | 1492G | 5L | 8.3 | 8.9 | 1.6 |
| GEOM MEAN | | | | | | | 9481G | 25572 | 650G | 713G | 5L | 4.8 | 8.7 | 1.3 |
| MINIMUM | | | | | | | 1200 | 3800 | 40 | 100 | 4< | 0.0 | 6.0 | 0.7 |
| STD DEV | | | | | | | 13737G | 95985 | 3212G | 2371G | 3L | 7.5 | 2.0 | 1.3 |
| NO OF SAMPLES | | | | | | | 12 | 11 | 11 | 12 | 11 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 23 1155 | | | .3 | 1 | 0.072 | 0.020 | 0.080 | 0.750 | 0.022 | 6.600 | 6.702 | 0.670 | 7.372 | 468.0 |
| 80 02 19 1145 | | | .3 | 1 | 0.038 | 0.013 | 0.125 | 0.620 | 0.021 | 4.530 | 4.676 | 0.495 | 5.171 | 498.0 |
| 80 03 19 1120 | | | .3 | 1 | 0.400 | 0.131 | 0.585 | 2.480 | 0.056 | 4.140 | 4.781 | 1.895 | 6.676 | 530.0 |
| 80 04 22 1135 | | | .3 | 1 | 0.079 | 0.017 | 0.095 | 0.920 | 0.057 | 4.100 | 4.252 | 0.825 | 5.077 | 452.0 |
| 80 05 20 1125 | | | .3 | 1 | 0.070 | 0.019 | 0.065 | 1.020 | 0.045 | 5.600 | 5.710 | 0.955 | 6.665 | 476.0 |
| 80 06 18 1120 | | | .3 | 1 | 0.086 | 0.016 | 0.015 | 0.890 | 0.058 | 3.100 | 3.173 | 0.875 | 4.048 | 516.0 |
| 80 07 23 1055 | | | .3 | 1 | 0.140 | 0.043 | 0.095 | 1.40 | 0.074 | 2.8 | 2.969 | 1.305 | 4.274 | 547 |
| 80 08 20 1100 | | | .3 | 1 | 0.099 | 0.017 | 0.030 | 1.270 | 0.039 | 1.800 | 1.869 | 1.240 | 3.109 | 547.7 |
| 80 09 17 1115 | | | .3 | 1 | 0.122 | 0.038 | 0.080 | 1.32 | 0.053 | 3.6 | 3.733 | 1.240 | 4.973 | 526.3 |
| 80 10 22 1115 | | | .3 | 1 | 0.092 | 0.034 | 0.090 | 1.24 | 0.056 | 7.4 | 7.546 | 1.150 | 8.696 | 528.5 |
| 80 11 19 1120 | | | .3 | 1 | 0.036 | 0.009 | 0.015 | 0.73 | 0.030 | 4.32 | 4.365 | 0.715 | 5.080 | 502.8 |
| 80 12 17 1120 | | | .3 | 1 | 0.052 | 0.018 | 0.125 | 0.830 | 0.024 | 6.000 | 6.149 | 0.705 | 6.854 | 485.0 |
| MAXIMUM | | | | | 0.400 | 0.131 | 0.585 | 2.480 | 0.074 | 7.4 | 7.546 | 1.895 | 8.696 | 547.7 |
| ARITH MEAN | | | | | 0.107 | 0.031 | 0.117 | 1.12 | 0.046 | 4.4 | 4.660 | 1.006 | 5.666 | 506 |
| GEOM MEAN | | | | | 0.085 | 0.023 | 0.072 | 1.04 | 0.041 | 4.2 | 4.380 | 0.944 | 5.467 | 505 |
| MINIMUM | | | | | 0.036 | 0.009 | 0.015 | 0.620 | 0.021 | 1.800 | 1.869 | 0.495 | 3.109 | 452.0 |
| STD DEV | | | | | 0.097 | 0.033 | 0.152 | 0.49 | 0.017 | 1.6 | 1.646 | 0.383 | 1.696 | 31 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 23 1155 | | | .3 | 1 | 42.5 | 425.5 | 670.0 | 20.00 | 19.500 | 7.92 |
| 80 02 19 1145 | | | .3 | 1 | 11.0 | 487.0 | 705.0 | 6.00 | 18.000 | 7.81 |
| 80 03 19 1120 | | | .3 | 1 | 234.0 | 250.000 | 385.0 | 90.00 | 11.000 | 7.37 |
| 80 04 22 1135 | | | .3 | 1 | 37.0 | 415.0 | 580.0 | 21.00 | 14.500 | 7.88 |
| 80 05 20 1125 | | | .3 | 1 | 25.0 | 451.0 | 635.0 | 6.60 | 17.500 | 7.95 |
| 80 06 18 1120 | | | .3 | 1 | 41.0 | 475.0 | 640.0 | 2.30 | 18.000 | 8.01 |
| 80 07 23 1055 | | | .3 | 1 | 65.5 | 481.5 | 610 | 38 | 21.5 | 7.98 |
| 80 08 20 1100 | | | .3 | 1 | 46.1 | 501.6 | 670.0 | 28.00 | 19.000 | 7.93 |
| 80 09 17 1115 | | | .3 | 1 | 45.3 | 481.0 | 680 | 30 | 20.0 | 7.89 |
| 80 10 22 1115 | | | .3 | 1 | 28.8 | 499.7 | 745 | 16 | 19.0 | 7.84 |
| 80 11 19 1120 | | | .3 | 1 | 11.6 | 491.2 | 720 | 8.8 | 19.0 | 8.10 |
| 80 12 17 1120 | | | .3 | 1 | 17.9 | 467.1 | 750.0 | 7.50 | 19.500 | 7.84 |
| MAXIMUM | | | | | 234.0 | 501.6 | 750.0 | 90.00 | 21.5 | 8.10 |
| ARITH MEAN | | | | | 50.5 | 452.1 | 649 | 22 | 18.0 | 7.88 |
| GEOM MEAN | | | | | 36.0 | 445.6 | 640 | 14 | 17.8 | 7.87 |
| MINIMUM | | | | | 11.0 | 250.000 | 385.0 | 2.30 | 11.000 | 7.37 |
| STD DEV | | | | | 60.0 | 69.3 | 98 | 23 | 2.7 | 0.18 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 |

| | | |
|---|---|---|
| B O W / SITE: **SYDENHAM RIVER**<br>SAMPLE POINT: **AT HIGHWAY 40 WALLACEBURG**<br>STATION TYPE: **RIVER COMPOSITE** | MAJOR BASIN **GREAT LAKES**<br>MINOR BASIN **LAKE ERIE**<br>TERM STREAM **SYDENHAM RIVER** | STATION ID: **04-0027-001-83**<br>STORET CODE **02**<br>**003**<br>**2500** |
| LAT LONG | U T M: **17 0386125.0 4716225.0 4** | REGION **01** DISTANCE **4.586** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 02 0715 | | | .3 | 1 | 37000 | | | | | | | | | |
| 80 01 17 2300 | | | .3 | 1 | 37001 | | | | | | | | | |
| 80 01 23 0715 | | | .3 | 1 | 37002 | | | | | | | | | |
| 80 02 04 1100 | | | .3 | 1 | 38208 | 4 | 540 | 600 | 28 | 20 | 4< | 1.0 | 15.0 | 1.7 |
| 80 03 04 1040 | | | .3 | 1 | 38217 | 4 | | | | | | 0.0 | 13.0 | 1.8 |
| 80 03 24 1800 | | | .3 | 1 | 37003 | | | | | | | | | |
| 80 03 25 1750 | | | .3 | 1 | 37004 | | | | | | | | | |
| 80 03 26 1130 | | | .3 | 1 | 37005 | | | | | | | | | |
| 80 03 27 0615 | | | .3 | 1 | 37006 | | | | | | | | | |
| 1830 | | | .3 | 1 | 37007 | | | | | | | | | |
| 80 03 28 0630 | | | .3 | 1 | 37008 | | | | | | | | | |
| 1950 | | | .3 | 1 | 37009 | | | | | | | | | |
| 80 03 29 0930 | | | .3 | 1 | 37010 | | | | | | | | | |
| 1800 | | | .3 | 1 | 37011 | | | | | | | | | |
| 80 03 30 0900 | | | .3 | 1 | 37012 | | | | | | | | | |
| 1800 | | | .3 | 1 | 37013 | | | | | | | | | |
| 80 03 31 0615 | | | .3 | 1 | 37014 | | | | | | | | | |
| 80 04 01 1320 | | | .3 | 1 | 38231 | 3 | | | | | | 5.0 | 12.0 | 2.0 |
| 1800 | | | .3 | 1 | 37015 | | | | | | | | | |
| 80 04 02 0900 | | | .3 | 1 | 37016 | | | | | | | | | |
| 80 04 03 0900 | | | .3 | 1 | 37018 | | | | | | | | | |
| 80 04 04 1800 | | | .3 | 1 | 37019 | | | | | | | | | |
| 80 04 05 0900 | | | .3 | 1 | 37020 | | | | | | | | | |
| 80 04 14 1800 | | | .3 | 1 | 37021 | | | | | | | | | |
| 80 04 16 0900 | | | .3 | 1 | 37022 | | | | | | | | | |
| 80 04 17 1800 | | | .3 | 1 | 37023 | | | | | | | | | |
| 80 04 18 0900 | | | .3 | 1 | 37024 | | | | | | | | | |
| 80 04 19 1800 | | | .3 | 1 | 37025 | | | | | | | | | |
| 80 04 21 0900 | | | .3 | 1 | 37026 | | | | | | | | | |
| 80 04 23 1800 | | | .3 | 1 | 37027 | | | | | | | | | |
| 80 05 06 1315 | | | .3 | 1 | 38240 | 6 | | | | | | 16.8 | 11.0 | 2.0 |
| 80 07 08 1100 | | | .3 | 1 | 38246 | 3 | | | | | | 22.0 | 10.0 | 1.0 |
| 80 08 05 1015 | | | .3 | 1 | 38256 | 6 | | | | | | 23.0 | 7.5 | 1.0 |
| 80 09 03 1017 | | | .3 | 1 | 38266 | 6 | 10000 | 15200 | 192 | 128 | 20 | 22.0 | 8.0 | 0.3 |
| 80 10 07 0955 | | | .3 | 1 | 38276 | 6 | 2600C | 47000 | 56 | 8 | 8 | 13.0 | 8.0 | 0.8 |
| 80 11 04 0950 | | | .3 | 1 | 38286 | 6 | 770 | 1300 | 16 | 32 | 4< | 8.0 | 10.0 | 0.8 |
| 80 12 02 0945 | | | .3 | 1 | 38296 | 6 | 1300 | 2400 | 116 | 176 | 4 | 9.0 | 10.0 | 0.4 |
| MAXIMUM | | | | | | | 10000 | 47000 | 192 | 176 | 20 | 23.0 | 15.0 | 2.0 |
| ARITH MEAN | | | | | | | 3042 | 13300 | 82 | 73 | 8L | 12.0 | 10.4 | 1.2 |
| GEOM MEAN | | | | | | | 1887 | 4219 | 66 | 41 | 8L | 7.8 | 10.2 | 1.0 |
| MINIMUM | | | | | | | 540 | 600 | 16 | 8 | 4< | 0.0 | 7.5 | 0.3 |
| STD DEV | | | | | | | 3971 | 19770 | 73 | 75 | 7L | 8.7 | 2.4 | 0.6 |
| NO OF SAMPLES | | | | | | | 5 | 5 | 5 | 5 | 5 | 10 | 10 | 10 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 17 2300 | | | .3 | 1 | 0.046 | | | | | | | | | |
| 80 01 23 0715 | | | .3 | 1 | 0.069 | | | | | | | | | |
| 80 02 04 1100 | | | .3 | 1 | 0.030 | 0.001 | 0.150 | 0.660 | 0.005 | 1.000 | 1.155 | 0.510 | 1.665 | 730.0 |
| 80 03 04 1040 | | | .3 | 1 | 0.019 | 0.006 | 0.055 | 0.300 | 0.005 | 0.730 | 0.790 | 0.245 | 1.035 | 192.0 |
| 80 03 24 1800 | | | .3 | 1 | 0.415 | 0.150 | | | | 7.930 | | | | |
| 80 03 25 1750 | | | .3 | 1 | 0.430 | | | | | | | | | |
| 80 03 26 1130 | | | .3 | 1 | 0.403 | 0.120 | | | | 6.740 | | | | |
| 80 03 27 0615 | | | .3 | 1 | 0.335 | 0.100 | | | | 7.180 | | | | |
| 1830 | | | .3 | 1 | 0.308 | 0.080 | | | | 7.470 | | | | |
| 80 03 28 0630 | | | .3 | 1 | 0.265 | | | | | | | | | |
| 1950 | | | .3 | 1 | 0.233 | | | | | | | | | |
| 80 03 29 0930 | | | .3 | 1 | 0.180 | | | | | | | | | |
| 1800 | | | .3 | 1 | 0.175 | | | | | | | | | |
| 80 03 30 0900 | | | .3 | 1 | 0.163 | | | | | | | | | |
| 1800 | | | .3 | 1 | 0.160 | 0.055 | | | | 8.350 | | | | |
| 80 03 31 0615 | | | .3 | 1 | 0.148 | 0.047 | | | | 7.960 | | | | |
| 80 04 01 1320 | | | .3 | 1 | 0.126 | 0.055 | 0.085 | 1.080 | 0.035 | 9.160 | 9.280 | 0.995 | 10.275 | 436.0 |
| 1800 | | | .3 | 1 | 0.163 | 0.052 | | | | 9.130 | | | | |
| 80 04 02 0900 | | | .3 | 1 | 0.150 | 0.042 | | | | 8.900 | | | | |
| 80 04 03 0900 | | | .3 | 1 | 0.185 | 0.060 | | | | 7.760 | | | | |
| 80 04 04 1800 | | | .3 | 1 | 0.313 | 0.056 | | | | 8.690 | | | | |
| 80 04 05 0900 | | | .3 | 1 | 0.110 | 0.038 | | | | 5.470 | | | | |
| 80 04 14 1800 | | | .3 | 1 | 0.640 | 0.145 | | | | 6.120 | | | | |
| 80 04 16 0900 | | | .3 | 1 | 0.645 | 0.130 | | | | 6.670 | | | | |
| 80 04 17 1800 | | | .3 | 1 | 0.660 | 0.125 | | | | 6.420 | | | | |
| 80 04 18 0900 | | | .3 | 1 | 0.380 | 0.110 | | | | 6.680 | | | | |
| 80 04 19 1800 | | | .3 | 1 | 0.205 | 0.008 | | | | 7.180 | | | | |
| 80 04 21 0900 | | | .3 | 1 | 0.078 | | | | | | | | | |
| 80 04 23 1800 | | | .3 | 1 | 0.080 | | | | | | | | | |
| 80 05 06 1315 | | | .3 | 1 | 0.048 | 0.002 | 0.060 | 0.840 | 0.036 | 4.260 | 4.356 | 0.780 | 5.136 | 346.0 |
| 80 07 08 1100 | | | .3 | 1 | 0.055 | 0.007 | 0.090 | 0.730 | 0.030 | 1.940 | 2.060 | 0.640 | 2.700 | 299.0 |
| 80 08 05 1015 | | | .3 | 1 | 0.106 | 0.050 | 0.105 | 1.170 | 0.295 | 4.550 | 4.950 | 1.065 | 6.015 | 318.4 |
| 80 09 03 1017 | | | .3 | 1 | 0.030 | 0.002 | 0.075 | 0.510 | 0.025 | 1.200 | 1.300 | 0.435 | 1.735 | 250.2 |
| 80 10 07 0955 | | | .3 | 1 | 0.046 | 0.009 | 0.050 | 0.46 | 0.007 | 0.43 | 0.487 | 0.410 | 0.897 | 237.6 |
| 80 11 04 0950 | | | .3 | 1 | 0.023 | 0.002 | 0.025 | 0.420 | 0.010 | 1.320 | 1.355 | 0.395 | 1.750 | 230.4 |
| 80 12 02 0945 | | | .3 | 1 | 0.030 | 0.005 | 0.035 | 0.330 | 0.008 | 0.930 | 0.973 | 0.295 | 1.268 | 216.0 |
| MAXIMUM | | | | | 0.660 | 0.150 | 0.150 | 1.170 | 0.295 | 9.160 | 9.280 | 1.065 | 10.275 | 730.0 |
| ARITH MEAN | | | | | 0.207 | 0.066 | 0.073 | 0.65 | 0.046 | 5.54 | 2.871 | 0.577 | 3.248 | 326.6 |
| GEOM MEAN | | | | | 0.136 | 0.026 | 0.066 | 0.58 | 0.018 | 4.14 | 1.777 | 0.517 | 2.348 | 300.3 |
| MINIMUM | | | | | 0.019 | 0.001 | 0.025 | 0.300 | 0.005 | 0.43 | 0.487 | 0.245 | 0.897 | 192.0 |
| STD DEV | | | | | 0.181 | 0.049 | 0.037 | 0.30 | 0.089 | 3.02 | 2.773 | 0.265 | 3.024 | 169.6 |
| NO OF SAMPLES | | | | | 36 | 28 | 10 | 10 | 10 | 28 | 10 | 10 | 10 | 10 |

(CONTD)

SAMPLE INFORMATION SYSTEM
1980 WATER QUALITY DATA
DATE OF REPORT: 29 AUG 81

|  |  |  |
|---|---|---|
| B.O.W./SITE: **SYDENHAM RIVER**<br>SAMPLE POINT: **AT HIGHWAY 40 WALLACEBURG**<br>STATION TYPE: **RIVER COMPOSITE** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE ERIE**<br>TERM STREAM: **SYDENHAM RIVER** | STATION ID: **04-0027-001-83**<br>STORET CODE: **02**<br>**003**<br>**2980** |
| LAT: LONG: | U.T.M: **17 0386125.0 4716225.0 4** | REGION: **01** DISTANCE: **4.506** |

| TEST-NAME: |  |  |  |  | RSP | RSF | COND25 | TURB | CLIDUR | PH | ASUT | HGUT | CRUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU |
| 80 01 02 0715 |  |  | .3 | 1 | 41.0 |  |  |  |  |  |  | 0.020< |  | 0.010< |
| 80 01 17 2300 |  |  | .3 | 1 | 18.0 |  | 450.0 |  |  |  |  | 0.020 |  |  |
| 80 01 23 0715 |  |  | .3 | 1 | 9.0 |  | 438.0 |  |  |  |  | 0.020< |  |  |
| 80 02 04 1100 |  |  | .3 | 1 | 18.0 | 712.0 | 1080.0 | 7.60 | 108.000 | 7.67 |  |  | 0.02 < | 0.01 < |
| 80 03 04 1040 |  |  | .3 | 1 | 6.0 | 219.000 | 337.0 | 6.00 | 32.500 | 8.05 |  |  | 0.020< | 0.010< |
| 80 03 24 1800 |  |  | .3 | 1 | 238.0 |  | 410.0 |  |  |  |  | 0.020< |  | 0.010< |
| 80 03 25 1750 |  |  | .3 | 1 | 212.0 |  | 385.0 |  |  |  |  | 0.020< |  |  |
| 80 03 26 1130 |  |  | .3 | 1 | 222.0 |  | 510.0 |  |  |  | 0.003 | 0.030 | 0.020< | 0.020 |
| 80 03 27 0615 |  |  | .3 | 1 | 146.0 |  | 390.0 |  |  |  |  | 0.020< |  | 0.010< |
| 1830 |  |  | .3 | 1 | 122.0 |  | 363.0 |  |  |  |  | 0.020< |  |  |
| 80 03 28 0630 |  |  | .3 | 1 | 114.0 |  | 390.0 |  |  |  |  | 0.020< |  |  |
| 1950 |  |  | .3 | 1 | 75.0 |  | 440.0 |  |  |  |  | 0.020< |  |  |
| 80 03 29 0930 |  |  | .3 | 1 | 69.0 |  | 470.0 |  |  |  |  | 0.020< |  |  |
| 1800 |  |  | .3 | 1 | 56.0 |  | 485.0 |  |  |  |  | 0.020< |  |  |
| 80 03 30 0900 |  |  | .3 | 1 | 58.0 |  | 502.0 |  |  |  |  | 0.020< |  |  |
| 1800 |  |  | .3 | 1 | 67.0 |  | 502.0 |  |  |  |  | 0.020< |  | 0.010< |
| 80 03 31 0615 |  |  | .3 | 1 | 62.0 |  | 530.0 |  |  |  |  | 0.020< |  | 0.010 |
| 80 04 01 1320 |  |  | .3 | 1 | 48.0 | 388.0 | 510.0 | 60.00 | 23.000 | 7.84 |  |  | 0.020< | 0.010< |
| 1800 |  |  | .3 | 1 | 64.0 |  | 530.0 |  |  |  |  | 0.020< |  | 0.010< |
| 80 04 02 0900 |  |  | .3 | 1 | 56.0 |  | 540.0 |  |  |  |  | 0.020< |  | 0.010< |
| 80 04 03 0900 |  |  | .3 | 1 | 88.0 |  | 530.0 |  |  |  |  | 0.020< |  | 0.020 |
| 80 04 04 1800 |  |  | .3 | 1 | 7.0 |  | 560.0 |  |  |  |  | 0.020< |  | 0.010< |
| 80 04 05 0900 |  |  | .3 | 1 | 46.0 |  | 475.0 |  |  |  |  | 0.020< |  | 0.010< |
| 80 04 14 1800 |  |  | .3 | 1 | 455.0 |  | 395.0 |  |  |  |  | 0.040 |  | 0.030 |
| 80 04 16 0900 |  |  | .3 | 1 | 372.0 |  | 395.0 |  |  |  |  | 0.020 |  | 0.020 |
| 80 04 17 1800 |  |  | .3 | 1 | 337.0 |  | 400.0 |  |  |  |  | 0.020 |  | 0.030 |
| 80 04 18 0900 |  |  | .3 | 1 | 194.0 |  | 420.0 |  |  |  |  | 0.020 |  | 0.020 |
| 80 04 19 1800 |  |  | .3 | 1 | 91.0 |  | 460.0 |  |  |  |  | 0.020< |  | 0.010< |
| 80 04 21 0900 |  |  | .3 | 1 | 42.0 |  | 485.0 |  |  |  |  | 0.020< |  |  |
| 80 04 23 1800 |  |  | .3 | 1 | 39.0 |  | 495.0 |  |  |  |  | 0.020< |  |  |
| 80 05 06 1315 |  |  | .3 | 1 | 16.5 | 329.5 | 605.0 | 10.00 | 27.000 | 8.29 |  |  | 0.020< | 0.010< |
| 80 07 08 1100 |  |  | .3 | 1 | 15.3 | 238.000 | 366.0 | 17.00 | 20.000 | 8.17 |  |  | 0.02 | 0.01 < |
| 80 08 05 1015 |  |  | .3 | 1 | 14.7 | 303.7 | 560.0 | 16.00 | 45.000 | 7.74 |  |  | 0.002< | 0.001< |
| 80 09 03 1017 |  |  | .3 | 1 | 8.9 | 236.300 | 365.0 | 10.00 | 19.000 | 8.04 |  |  | 0.004 | 0.002 |
| 80 10 07 0955 |  |  | .3 | 1 | 15.6 | 235.9 | 363 | 12 | 29.0 | 8.17 |  |  | 0.002< | 0.004 |
| 80 11 04 0950 |  |  | .3 | 1 | 7.1 | 244.800 | 395.0 | 5.70 | 31.500 | 8.19 |  |  |  |  |
| 80 12 02 0945 |  |  | .3 | 1 | 7.2 | 231.400 | 356.0 | 5.00 | 28.500 | 8.12 |  |  | 0.002< | 0.002 |
| MAXIMUM |  |  |  |  | 455.0 | 712.0 | 1080.0 | 60.00 | 108.000 | 8.29 | 0.003 | 0.040 | 0.02 | 0.030 |
| ARITH MEAN |  |  |  |  | 93.4 | 313.8 | 489 | 14 | 38.3 | 8.03 | 0.003 | 0.021L | 0.01 L | 0.01 L |
| GEOM MEAN |  |  |  |  | 48.6 | 292.2 | 467 | 10 | 31.5 | 8.03 |  | 0.021L | 0.00 L | 0.00 L |
| MINIMUM |  |  |  |  | 6.0 | 219.000 | 337.0 | 5.00 | 19.000 | 7.67 | 0.003 | 0.020< | 0.002< | 0.001< |
| STD DEV |  |  |  |  | 109.7 | 150.1 | 126 | 16 | 26.2 | 0.21 |  | 0.004L | 0.00 L | 0.00 L |
| NO OF SAMPLES |  |  |  |  | 37 | 10 | 36 | 10 | 10 | 10 | 1 | 27 | 10 | 25 |

| TEST-NAME: |  |  |  |  | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 01 02 0715 |  |  | .3 | 1 | 0.030< | 0.005< |  |  |  |
| 80 01 17 2300 |  |  | .3 | 1 | 0.030< | 0.005< |  |  |  |
| 80 01 23 0715 |  |  | .3 | 1 | 0.030< | 0.005< |  |  |  |
| 80 02 04 1100 |  |  | .3 | 1 | 0.03 | 0.005 | 0.04 | 0.02 < |  |
| 80 03 04 1040 |  |  | .3 | 1 | 0.030< |  | 0.010< | 0.020< |  |
| 80 03 24 1800 |  |  | .3 | 1 | 0.030< | 0.005< |  |  |  |
| 80 03 25 1750 |  |  | .3 | 1 | 0.030< | 0.005< |  |  |  |
| 80 03 26 1130 |  |  | .3 | 1 | 0.030< | 0.005< | 0.040 | 0.020< | 0.030 |
| 80 03 27 0615 |  |  | .3 | 1 | 0.030< | 0.005< |  |  |  |
| 1830 |  |  | .3 | 1 | 0.030< | 0.005< |  |  |  |
| 80 03 28 0630 |  |  | .3 | 1 | 0.030< | 0.005< |  |  |  |
| 1950 |  |  | .3 | 1 | 0.030< | 0.005< |  |  |  |
| 80 03 29 0930 |  |  | .3 | 1 | 0.030< | 0.005< |  |  |  |
| 1800 |  |  | .3 | 1 | 0.030< | 0.005< |  |  |  |
| 80 03 30 0900 |  |  | .3 | 1 | 0.030< | 0.005< |  |  |  |
| 1800 |  |  | .3 | 1 | 0.030< | 0.005< |  |  |  |
| 80 03 31 0615 |  |  | .3 | 1 | 0.030< | 0.005< |  |  |  |
| 80 04 01 1320 |  |  | .3 | 1 | 0.030< |  | 0.010< | 0.020< |  |
| 1800 |  |  | .3 | 1 | 0.030< | 0.005< |  |  |  |
| 80 04 02 0900 |  |  | .3 | 1 | 0.030< | 0.005< |  |  |  |
| 80 04 03 0900 |  |  | .3 | 1 | 0.030< | 0.005< |  |  |  |
| 80 04 04 1800 |  |  | .3 | 1 | 0.030< | 0.005< |  |  |  |
| 80 04 05 0900 |  |  | .3 | 1 | 0.030< | 0.005< |  |  |  |
| 80 04 14 1800 |  |  | .3 | 1 | 0.030< | 0.005< |  |  |  |
| 80 04 16 0900 |  |  | .3 | 1 | 0.030< | 0.005< |  |  |  |
| 80 04 17 1800 |  |  | .3 | 1 | 0.030< | 0.005< |  |  |  |
| 80 04 18 0900 |  |  | .3 | 1 | 0.030< | 0.005< |  |  |  |
| 80 04 19 1800 |  |  | .3 | 1 | 0.030< | 0.005< |  |  |  |
| 80 04 21 0900 |  |  | .3 | 1 | 0.030< | 0.005< |  |  |  |
| 80 04 23 1800 |  |  | .3 | 1 | 0.030< | 0.005< |  |  |  |
| 80 05 06 1315 |  |  | .3 | 1 | 0.030< |  | 0.010< | 0.020< |  |
| 80 07 08 1100 |  |  | .3 | 1 | 0.03 < |  | 0.01 | 0.02 < |  |
| 80 08 05 1015 |  |  | .3 | 1 | 0.003< |  | 0.001 | 0.002< |  |
| 80 09 03 1017 |  |  | .3 | 1 | 0.003< |  | 0.002 | 0.002< |  |
| 80 10 07 0955 |  |  | .3 | 1 | 0.003< |  | 0.009 | 0.051 |  |
| 80 12 02 0945 |  |  | .3 | 1 | 0.003< |  | 0.005 | 0.002< |  |
| MAXIMUM |  |  |  |  | 0.03 | 0.005 | 0.040 | 0.051 | 0.030 |
| ARITH MEAN |  |  |  |  | 0.02 L | 0.005L | 0.01 L | 0.01 L | 0.030 |
| GEOM MEAN |  |  |  |  | 0.02 L | 0.005L | 0.00 L | 0.01 L |  |
| MINIMUM |  |  |  |  | 0.003< | 0.005< | 0.001< | 0.002< | 0.030 |
| STD DEV |  |  |  |  | 0.00 L | 0.000L | 0.01 L | 0.01 L |  |
| NO OF SAMPLES |  |  |  |  | 36 | 28 | 10 | 10 | 1 |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

STATION ID: **04-0027-004-02**

B.O.W./ SITE: **BEAR CREEK**
SAMPLE POINT: **AT FIRST CONCESSION WEST OF PETROLIA**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **SYDENHAM RIVER**

STORET CODE: **02**
**003**
**2000**

LAT: LONG: U T M: **17 0404475.0 4746150.0 4** REGION: **01** DISTANCE: **02.441**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 02 04 1315 | | | .3 | 1 | 38211 | 4 | 710 | 190 | 284 | 100 | 4< | 0.0 | 12.0 | 1.1 |
| 80 03 04 1240 | | | .3 | 1 | 38220 | 4 | | | | | | 0.0 | 12.5 | 2.5 |
| 80 04 01 1220 | | | .3 | 1 | 38228 | 3 | 4100 | 2800 | 220 | 420 | 4< | 4.8 | 12.5 | 2.0 |
| 80 05 06 1115 | | | .3 | 1 | 38237 | 6 | 9000 | 14000 | 240 | 40I | 8 | 16.0 | 9.0 | 2.0 |
| 80 07 08 1230 | | | .3 | 1 | 38249 | 3 | | | | | | 22.0 | 9.0 | 3.1 |
| 80 08 05 1205 | | | .3 | 1 | 38259 | 6 | | | | | | 24.0 | 6.0 | 3.0 |
| 80 09 03 1329 | | | .3 | 1 | 38269 | 6 | 420C | 24000> | 60I | 4< | 4< | 25.0 | 9.0 | 1.6 |
| 80 10 07 1125 | | | .3 | 1 | 38279 | 6 | 2300C | 29000 | 104 | 20 | 8 | 10.0 | 9.0 | 1.2 |
| 80 11 04 1100 | | | .3 | 1 | 38289 | 6 | 420C | 4600 | 20 | 4< | 4< | 8.0 | 11.0 | 1.2 |
| 80 12 02 1115 | | | .3 | 1 | 38299 | 6 | 1200 | 6700 | 160 | 360 | 4< | 8.0 | 10.0 | 2.7 |
| MAXIMUM | | | | | | | 9000 | 29000> | 284 | 420 | 8 | 25.0 | 12.5 | 3.1 |
| ARITH MEAN | | | | | | | 2593 | 11613G | 155 | 135L | 5L | 11.8 | 10.0 | 2.0 |
| GEOM MEAN | | | | | | | 1439 | 5538G | 117 | 41L | 5L | 7.6 | 9.8 | 1.9 |
| MINIMUM | | | | | | | 420 | 190 | 20 | 4< | 4< | 0.0 | 6.0 | 1.1 |
| STD DEV | | | | | | | 3118 | 11127G | 98 | 178L | 2L | 9.5 | 2.0 | 0.8 |
| NO OF SAMPLES | | | | | | | 7 | 7 | 7 | 7 | 7 | 10 | 10 | 10 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 02 04 1315 | | | .3 | 1 | 0.096 | 0.059 | 0.120 | 0.550 | 0.022 | 9.200 | 9.342 | 0.430 | 9.772 | 736.0 |
| 80 03 04 1240 | | | .3 | 1 | 0.125 | 0.030 | 0.220 | 1.550 | 0.027 | 6.320 | 6.567 | 1.330 | 7.897 | 626.0 |
| 80 04 01 1220 | | | .3 | 1 | 0.125 | 0.063 | 0.070 | 1.100 | 0.033 | 9.870 | 9.973 | 1.030 | 11.003 | 428.0 |
| 80 05 06 1115 | | | .3 | 1 | 0.165 | 0.021 | 0.020 | 1.050 | 0.069 | 4.890 | 4.979 | 1.030 | 6.009 | 544.0 |
| 80 07 08 1230 | | | .3 | 1 | 0.248 | 0.089 | 0.125 | 1.560 | 0.080 | 4.120 | 4.325 | 1.435 | 5.760 | 593.0 |
| 80 08 05 1205 | | | .3 | 1 | 0.285 | 0.115 | 0.005 | 1.140 | 0.003 | 6.900 | 6.908 | 1.135 | 8.043 | 544.3 |
| 80 09 03 1329 | | | .3 | 1 | 0.318 | 0.147 | 0.145 | 1.520 | 0.058 | 1.890 | 2.093 | 1.375 | 3.468 | 781.7 |
| 80 10 07 1125 | | | .3 | 1 | 1.93 | 1.41 | 0.050 | 1.00 | 0.023 | 2.3 | 2.373 | 0.950 | 3.323 | 563.2 |
| 80 11 04 1100 | | | .3 | 1 | 0.088 | 0.027 | 0.040 | 0.920 | 0.035 | 7.000 | 7.075 | 0.880 | 7.955 | 607.1 |
| 80 12 02 1115 | | | .3 | 1 | 0.181 | 0.056 | 0.020 | 1.100 | 0.033 | 2.900 | 2.953 | 1.080 | 4.033 | 740.0 |
| MAXIMUM | | | | | 1.93 | 1.41 | 0.220 | 1.560 | 0.080 | 9.870 | 9.973 | 1.435 | 11.003 | 781.7 |
| ARITH MEAN | | | | | 0.35 | 0.20 | 0.081 | 1.14 | 0.038 | 5.5 | 5.659 | 1.067 | 6.728 | 616.3 |
| GEOM MEAN | | | | | 0.21 | 0.07 | 0.052 | 1.10 | 0.030 | 4.8 | 4.983 | 1.021 | 6.226 | 607.5 |
| MINIMUM | | | | | 0.088 | 0.021 | 0.005 | 0.550 | 0.003 | 1.890 | 2.093 | 0.430 | 3.323 | 428.0 |
| STD DEV | | | | | 0.55 | 0.42 | 0.069 | 0.31 | 0.024 | 2.7 | 2.782 | 0.281 | 2.647 | 108.7 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | PHNOL | SOLEXT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PHENOLS UNF-REAC UG/L PHENOL | SOLVENT EXTRACT. MG/L |
| 80 02 04 1315 | | | .3 | 1 | 16.0 | 720.0 | 1080.0 | 7.20 | 114.000 | 7.64 | 1.000 | 1 |
| 80 03 04 1240 | | | .3 | 1 | 16.0 | 610.0 | 930.0 | 12.00 | 97.500 | 7.64 | 1.000< | |
| 80 04 01 1220 | | | .3 | 1 | 40.0 | 388.0 | 530.0 | 45.00 | 24.500 | 7.86 | 1.000< | 1 |
| 80 05 06 1115 | | | .3 | 1 | 54.0 | 490.0 | 705.0 | 50.00 | 52.500 | 7.99 | 1.000< | |
| 80 07 08 1230 | | | .3 | 1 | 69.0 | 524.0 | 710.0 | 74.00 | 505.000 | 7.84 | 1.000< | 2 |
| 80 08 05 1205 | | | .3 | 1 | 93.9 | 450.4 | 750.0 | 66.00 | 65.500 | 7.77 | 1.000< | 0.00 |
| 80 09 03 1329 | | | .3 | 1 | 38.1 | 743.6 | 1140.0 | 34.00 | 202.000 | 8.14 | 1.500 | 2 |
| 80 10 07 1125 | | | .3 | 1 | 32.9 | 530.3 | 795 | 29 | 85.0 | 8.01 | | |
| 80 11 04 1100 | | | .3 | 1 | 17.8 | 589.3 | 980.0 | 12.00 | 520.000 | 8.03 | 1.000< | |
| 80 12 02 1115 | | | .3 | 1 | 26.5 | 713.5 | | 18.00 | 190.000 | 8.06 | 1.000< | |
| MAXIMUM | | | | | 93.9 | 743.6 | 1140.0 | 74.00 | 520.000 | 8.14 | 1.500 | 2 |
| ARITH MEAN | | | | | 40.4 | 575.9 | 846 | 34 | 185.6 | 7.90 | 1.056L | 1 |
| GEOM MEAN | | | | | 34.1 | 564.2 | 825 | 26 | 123.1 | 7.90 | 1.046L | 1 |
| MINIMUM | | | | | 16.0 | 388.0 | 530.0 | 7.20 | 24.500 | 7.64 | 1.000< | 0.00 |
| STD DEV | | | | | 25.4 | 121.3 | 198 | 23 | 181.1 | 0.18 | 0.167L | 0 |
| NO OF SAMPLES | | | | | 10 | 10 | 9 | 10 | 10 | 10 | 9 | 5 |

STATION ID: **04-0027-006-02**

B.O.W./ SITE: **SYDENHAM RIVER**
SAMPLE POINT: **AT DOWN MILLS ROAD UPSTREAM OF DRESDEN**
STATION TYPE: **RIVER FLOW GAUGE FED 02GG007**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **SYDENHAM RIVER**

STORET CODE: **02**
**003**
**2000**

LAT: LONG: U T M: **17 0407325.0 4715600.0 4** REGION: **01** DISTANCE: **22.530**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 01 09 1020 | | | .3 | 1 | 38201 | 6 | 6.400 | 1200 | 1520 | 28 | 600> | 4< | 0.0 | 12.0 |
| 80 02 04 0950 | | | .3 | 1 | 38207 | 4 | 2.300 | 900I | 1900 | 96 | 1500> | 4< | 0.0 | 14.0 |
| 80 03 04 0920 | | | .3 | 1 | 38216 | 4 | 2.100 | 28 | 140 | 4< | 4< | 4< | 0.0 | 13.0 |
| 80 04 01 1400 | | | .3 | 1 | 38232 | 3 | 34.600 | 2000 | 1800 | 70I | 380 | 4< | 6.0 | 12.0 |
| 80 05 06 1350 | | | .3 | 1 | 38241 | 6 | 5.320 | 180C | 3400 | 4< | 10< | 4< | 17.6 | 10.5 |
| 80 07 08 0936 | | | .3 | 1 | 38245 | 3 | 3.230 | | | | | | 21.0 | 8.0 |
| 80 08 05 0935 | | | .3 | 1 | 38255 | 6 | 11.200 | | | | | | 23.0 | 8.0 |
| 80 09 03 0915 | | | .3 | 1 | 38265 | 6 | 1.490 | 400C | 10000 | 96 | 128 | 4 | 20.0 | 7.0 |
| 80 11 04 0900 | | | .3 | 1 | 38285 | 6 | 2.790 | 30I | 720 | 4 | 4< | 4< | 8.0 | 10.0 |
| 80 12 02 0900 | | | .3 | 1 | 38295 | 6 | 3.070 | 120 | 1760 | 52 | 112 | 4< | 8.0 | 11.0 |
| MAXIMUM | | | | | | | 34.600 | 2000 | 10000 | 96 | 1500> | 4 | 23.0 | 14.0 |
| ARITH MEAN | | | | | | | 7.250 | 607 | 2665 | 44L | 342G | 4L | 10.4 | 10.5 |
| GEOM MEAN | | | | | | | 4.385 | 251 | 1638 | 22L | 73G | 4L | 6.0 | 10.3 |
| MINIMUM | | | | | | | 1.490 | 28 | 140 | 4< | 4< | 4< | 0.0 | 7.0 |
| STD DEV | | | | | | | 10.032 | 706 | 3118 | 40L | 514G | 0L | 9.3 | 2.3 |
| NO OF SAMPLES | | | | | | | 10 | 8 | 8 | 8 | 8 | 8 | 10 | 10 |

(CONTD)

| | | |
|---|---|---|
| B.O.W./ SITE: **SYDENHAM RIVER**<br>SAMPLE POINT: **AT DOWN MILLS ROAD UPSTREAM OF DRESDEN**<br>STATION TYPE: **RIVER FLOW GAUGE FED 02GG007** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE ERIE**<br>TERM STREAM: **SYDENHAM RIVER** | STATION ID: **04-0027-008-02**<br>STORET CODE: **02**<br>**083**<br>**2980** |
| LAT: LONG: | U T M: **17 0407325.0 4715600.0 4** | REGION: **01** DISTANCE: **22.530** |

| TEST-NAME: | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 01 09 1020 | | .3 | 1 | 1.1 | 0.046 | 0.026 | 0.120 | 0.690 | 0.021 | 8.400 | 8.541 | 0.570 | 9.111 |
| 80 02 04 0950 | | .3 | 1 | 0.8 | 0.044 | 0.025 | 0.140 | 0.520 | 0.017 | 5.300 | 5.457 | 0.380 | 5.837 |
| 80 03 04 0920 | | .3 | 1 | 3.0 | 0.104 | 0.024 | 0.365 | 1.440 | 0.023 | 4.880 | 5.268 | 1.075 | 6.343 |
| 80 04 01 1400 | | .3 | 1 | 1.1 | 0.116 | 0.041 | 0.075 | 0.960 | 0.028 | 8.120 | 8.223 | 0.885 | 9.108 |
| 80 05 06 1350 | | .3 | 1 | 1.9 | 0.075 | 0.004 | 0.030 | 0.790 | 0.035 | 3.410 | 3.475 | 0.760 | 4.235 |
| 80 07 08 0936 | | .3 | 1 | 1.6 | 0.110 | 0.021 | 0.050 | 0.740 | 0.009 | 0.840 | 0.899 | 0.690 | 1.589 |
| 80 08 05 0935 | | .3 | 1 | 0.5 | 0.157 | 0.064 | 0.005 | 1.610 | 0.011 | 8.300 | 8.316 | 1.605 | 9.921 |
| 80 09 03 0915 | | .3 | 1 | 0.4 | 0.100 | 0.016 | 0.035 | 0.600 | 0.005 | 0.650 | 0.690 | 0.565 | 1.255 |
| 80 11 04 0900 | | .3 | 1 | 1.1 | 0.035 | 0.002 | 0.040 | 0.750 | 0.012 | 5.340 | 5.392 | 0.710 | 6.102 |
| 80 12 02 0900 | | .3 | 1 | 0.2 | 0.018 | 0.003 | 0.015 | 0.460 | 0.006 | 2.800 | 2.821 | 0.445 | 3.266 |
| | | MAXIMUM | | 3.0 | 0.157 | 0.064 | 0.365 | 1.610 | 0.035 | 8.400 | 8.541 | 1.605 | 9.921 |
| | | ARITH MEAN | | 1.2 | 0.080 | 0.023 | 0.087 | 0.856 | 0.017 | 4.804 | 4.908 | 0.768 | 5.677 |
| | | GEOM MEAN | | 0.9 | 0.068 | 0.014 | 0.049 | 0.792 | 0.014 | 3.639 | 3.760 | 0.706 | 4.668 |
| | | MINIMUM | | 0.2 | 0.018 | 0.002 | 0.005 | 0.460 | 0.005 | 0.650 | 0.690 | 0.380 | 1.255 |
| | | STD DEV | | 0.8 | 0.044 | 0.019 | 0.107 | 0.382 | 0.010 | 2.899 | 2.920 | 0.358 | 3.096 |
| | | NO OF SAMPLES | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 09 1020 | | .3 | 1 | 516.0 | 5.0 | 511.0 | 715.0 | 6.50 | 26.000 | 7.96 |
| 80 02 04 0950 | | .3 | 1 | 462.0 | 16.0 | 446.0 | 705.0 | 6.40 | 22.500 | 7.92 |
| 80 03 04 0920 | | .3 | 1 | 408.0 | 5.0 | 403.0 | 625.0 | 9.50 | 29.500 | 7.85 |
| 80 04 01 1400 | | .3 | 1 | 434.0 | 54.0 | 380.0 | 525.0 | 40.00 | 18.500 | 8.01 |
| 80 05 06 1350 | | .3 | 1 | 438.0 | 36.0 | 402.0 | 1840.0 | 16.00 | 22.000 | 8.23 |
| 80 07 08 0936 | | .3 | 1 | 502.0 | 73.0 | 429.0 | 550.0 | 58.00 | 21.000 | 8.10 |
| 80 08 05 0935 | | .3 | 1 | 433.6 | 71.1 | 362.5 | 635.0 | 47.00 | 25.000 | 8.01 |
| 80 09 03 0915 | | .3 | 1 | 404.4 | 41.0 | 363.4 | 510.0 | 43.00 | 18.500 | 8.20 |
| 80 11 04 0900 | | .3 | 1 | 429.2 | 19.0 | 410.2 | 690.0 | 11.00 | 26.000 | 8.15 |
| 80 12 02 0900 | | .3 | 1 | 380.4 | 12.2 | 368.2 | 590.0 | 6.60 | 22.500 | 8.21 |
| | | MAXIMUM | | 516.0 | 73.0 | 511.0 | 1840.0 | 58.00 | 29.500 | 8.23 |
| | | ARITH MEAN | | 440.8 | 33.2 | 407.5 | 738.5 | 24.40 | 23.150 | 8.06 |
| | | GEOM MEAN | | 439.0 | 22.8 | 405.3 | 682.9 | 17.11 | 22.914 | 8.06 |
| | | MINIMUM | | 380.4 | 5.0 | 362.5 | 510.0 | 6.40 | 18.500 | 7.85 |
| | | STD DEV | | 42.3 | 25.9 | 45.9 | 393.9 | 20.17 | 3.496 | 0.13 |
| | | NO OF SAMPLES | | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| | | |
|---|---|---|
| B O W / SITE: **SYDENHAM RIVER**<br>SAMPLE POINT: **1ST.CONC SOUTH OF HWY.22 STRATHROY**<br>STATION TYPE: **RIVER FLOW GAUGE FED 02GG005** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE ERIE**<br>TERM STREAM: **SYDENHAM RIVER** | STATION ID: **04-0027-007-02**<br>STORET CODE: **02**<br>**083**<br>**2980** |
| LAT: LONG: | U T M: **17 0445450.0 4753175.0 4** | REGION: **01** DISTANCE: **130.675** |

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 04 21 0900 | | .3 | 1 | 38224 | 3 | 1.840 | 3400 | 5800 | 780 | 410 | 8 | 5.0 | 12.5 |
| 80 05 06 1545 | | .3 | 1 | 38243 | 6 | 0.832 | 4400 | 13000 | 260 | 50I | 4 | 16.0 | 11.0 |
| 80 07 08 1545 | | .3 | 1 | 38253 | 6 | 0.335 | | | | | | 21.0 | 8.0 |
| 80 08 05 1550 | | .3 | 1 | 38263 | 6 | 0.357 | | | | | | 20.0 | |
| 80 09 03 1619 | | .3 | 1 | 38273 | 6 | 0.399 | 2900 | 11000 | 304 | 128 | 4 | 20.0 | 7.0 |
| 80 10 07 1500 | | .3 | 1 | 38283 | 6 | 0.558 | 3000 | 23000 | 40 | 12 | 4< | 10.0 | 9.0 |
| 80 11 04 1350 | | .3 | 1 | 38293 | 6 | 0.570 | 7000 | 11100 | 208 | 44 | | 8.0 | 11.0 |
| 80 12 02 1450 | | .3 | 1 | 38303 | 6 | 0.835 | 2500 | 3800 | 248 | 444 | 4< | 4.0 | 10.0 |
| | | MAXIMUM | | | | 1.840 | 7000 | 23000 | 780 | 444 | 8 | 21.0 | 12.5 |
| | | ARITH MEAN | | | | 0.716 | 3867 | 11283 | 307 | 181 | 5L | 13.0 | 9.8 |
| | | GEOM MEAN | | | | 0.611 | 3627 | 9644 | 224 | 92 | 5L | 11.0 | 9.6 |
| | | MINIMUM | | | | 0.335 | 2500 | 3800 | 40 | 12 | 4< | 4.0 | 7.0 |
| | | STD DEV | | | | 0.495 | 1668 | 6729 | 249 | 194 | 2L | 7.1 | 1.9 |
| | | NO OF SAMPLES | | | | 8 | 6 | 6 | 6 | 6 | 5 | 8 | 7 |

| TEST-NAME: | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 04 21 0900 | | .3 | 1 | 2.2 | 0.114 | 0.061 | 0.200 | 0.980 | 0.030 | 6.890 | 7.120 | 0.780 | 7.900 |
| 80 05 06 1545 | | .3 | 1 | 4.0 | 0.205 | 0.084 | 0.020 | 1.080 | 0.173 | 2.290 | 2.483 | 1.060 | 3.543 |
| 80 07 08 1545 | | .3 | 1 | 3.5 | 0.270 | 0.124 | 0.140 | 1.070 | 0.137 | 3.360 | 3.637 | 0.930 | 4.567 |
| 80 08 05 1550 | | .3 | 1 | 0.8 | 0.097 | 0.042 | 0.005 | 0.560 | 0.023 | 2.200 | 2.228 | 0.555 | 2.783 |
| 80 09 03 1619 | | .3 | 1 | 1.4 | 0.113 | 0.050 | 0.145 | 0.670 | 0.037 | 1.800 | 1.982 | 0.525 | 2.507 |
| 80 10 07 1500 | | .3 | 1 | 1.3 | 0.084 | 0.026 | 0.060 | 0.67 | 0.020 | 1.98 | 2.060 | 0.610 | 2.670 |
| 80 11 04 1350 | | .3 | 1 | 1.7 | 0.220 | 0.167 | 0.295 | 1.050 | 0.046 | 3.200 | 3.541 | 0.755 | 4.296 |
| 80 12 02 1450 | | .3 | 1 | 0.2 | 0.038 | 0.016 | 0.045 | 0.420 | 0.016 | 2.400 | 2.461 | 0.375 | 2.836 |
| | | MAXIMUM | | 4.0 | 0.270 | 0.167 | 0.295 | 1.080 | 0.173 | 6.890 | 7.120 | 1.060 | 7.900 |
| | | ARITH MEAN | | 1.9 | 0.143 | 0.071 | 0.114 | 0.81 | 0.060 | 3.01 | 3.189 | 0.699 | 3.888 |
| | | GEOM MEAN | | 1.4 | 0.122 | 0.056 | 0.065 | 0.77 | 0.042 | 2.74 | 2.907 | 0.668 | 3.613 |
| | | MINIMUM | | 0.2 | 0.038 | 0.016 | 0.005 | 0.420 | 0.016 | 1.800 | 1.982 | 0.375 | 2.507 |
| | | STD DEV | | 1.3 | 0.080 | 0.052 | 0.100 | 0.26 | 0.060 | 1.66 | 1.710 | 0.226 | 1.796 |
| | | NO OF SAMPLES | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 04 21 0900 | | | .3 | 1 | 388.0 | 29.0 | 359.0 | 520.0 | 19.00 | 17.500 | 7.96 |
| 80 05 06 1545 | | | .3 | 1 | 412.0 | 24.5 | 387.5 | 530.0 | 13.00 | 21.000 | 8.04 |
| 80 07 08 1545 | | | .3 | 1 | 482.0 | 31.1 | 451.0 | 580.0 | 11.00 | 39.500 | 7.87 |
| 80 08 05 1550 | | | .3 | 1 | 316.8 | 22.1 | 294.7 | 570.0 | 9.70 | 17.500 | 8.02 |
| 80 09 03 1619 | | | .3 | 1 | 371.4 | 15.9 | 355.5 | 550.0 | 6.70 | 18.500 | 7.95 |
| 80 10 07 1500 | | | .3 | 1 | 394.5 | 8.2 | 386.3 | 570 | 3.1 | 16.0 | 8.03 |
| 80 11 04 1350 | | | .3 | 1 | 396.4 | 6.0 | 390.4 | 650.0 | 2.80 | 27.000 | 7.97 |
| 80 12 02 1450 | | | .3 | 1 | 368.4 | 6.4 | 362.0 | 560.0 | 2.60 | 17.500 | 7.98 |
| MAXIMUM | | | | | 482.0 | 31.1 | 461.0 | 650.0 | 19.00 | 39.500 | 8.04 |
| ARITH MEAN | | | | | 391.2 | 17.9 | 373.3 | 566 | 8.4 | 21.8 | 7.98 |
| GEOM MEAN | | | | | 388.8 | 14.9 | 371.0 | 565 | 6.6 | 20.8 | 7.98 |
| MINIMUM | | | | | 316.8 | 6.0 | 294.7 | 520.0 | 2.60 | 16.0 | 7.87 |
| STD DEV | | | | | 46.6 | 10.2 | 44.0 | 39 | 5.8 | 7.9 | 0.06 |
| NO OF SAMPLES | | | | | 8 | 8 | 8 | 8 | 8 | 8 | 8 |

B.O.W./ SITE: **BEAR CREEK**
SAMPLE POINT: **AT TOWNSHIP LINE N-E OF AVONRY STP**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **SYDENHAM RIVER**

STATION ID: **04-0027-008-02**
STORET CODE: **02**
**003**
**2980**

LAT: LONG: U T M: **17 0390200.0 4735250.0 4** REGION: **01** DISTANCE: **34.278**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 09 1145 | | | .3 | 1 | 38202 | 4 | 1900 | 2700 | 60 | 140 | 4< | 0.0 | 12.5 | 1.6 |
| 80 02 04 1145 | | | .3 | 1 | 38209 | 4 | 3900 | 2700 | 176 | 84 | 4< | 0.5 | 12.0 | 0.9 |
| 80 03 04 1135 | | | .3 | 1 | 38218 | 4 | | | | | | 0.5 | 12.5 | 0.8 |
| 80 04 01 1300 | | | .3 | 1 | 38230 | 3 | 3000 | 8600 | 200 | 510 | 4< | 4.0 | 12.0 | 2.4 |
| 80 05 06 1215 | | | .3 | 1 | 38239 | 6 | 310C | 5000 | 10I | 20I | 4< | 16.5 | 8.5 | 2.2 |
| 80 07 08 1139 | | | .3 | 1 | 38247 | 3 | | | | | | 22.0 | 10.0 | 4.0 |
| 80 08 05 1115 | | | .3 | 1 | 38257 | 6 | | | | | | 23.5 | 6.0 | 2.2 |
| 80 09 03 1218 | | | .3 | 1 | 38267 | 6 | 900C | 50000 | 80I | 96 | 4< | 22.0 | 7.0 | 1.4 |
| 80 10 07 1035 | | | .3 | 1 | 38277 | 6 | 1600 | 25000 | 152 | 72 | 4< | 9.0 | 10.0 | 2.6 |
| 80 12 02 1025 | | | .3 | 1 | 38297 | 6 | 12600 | 77000 | 600> | 96 | 4< | 8.0 | 11.0 | 2.6 |
| MAXIMUM | | | | | | | 12600 | 77000 | 600> | 510 | 4 | 23.5 | 12.5 | 4.0 |
| ARITH MEAN | | | | | | | 3459 | 24429 | 183G | 146 | 4L | 10.6 | 10.1 | 2.1 |
| GEOM MEAN | | | | | | | 1993 | 11709 | 106G | 97 | 4L | 5.2 | 9.9 | 1.9 |
| MINIMUM | | | | | | | 310 | 2700 | 10 | 20 | 4< | 0.0 | 6.0 | 0.8 |
| STD DEV | | | | | | | 4209 | 28839 | 196G | 165 | 0L | 9.6 | 2.3 | 0.9 |
| NO OF SAMPLES | | | | | | | 7 | 7 | 7 | 7 | 7 | 10 | 10 | 10 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 09 1145 | | | .3 | 1 | 0.070 | 0.042 | 0.085 | 0.720 | 0.031 | 11.400 | 11.516 | 0.635 | 12.151 | 708.0 |
| 80 02 04 1145 | | | .3 | 1 | 0.072 | 0.042 | 0.125 | 0.580 | 0.134 | 8.400 | 8.659 | 0.455 | 9.114 | 976.0 |
| 80 03 04 1135 | | | .3 | 1 | 0.134 | 0.074 | 0.205 | 1.020 | 0.028 | 6.170 | 6.403 | 0.815 | 7.218 | 618.0 |
| 80 04 01 1300 | | | .3 | 1 | 0.180 | 0.077 | 0.060 | 1.300 | 0.031 | 9.670 | 9.761 | 1.240 | 11.001 | 486.0 |
| 80 05 06 1215 | | | .3 | 1 | 0.162 | 0.010 | 0.025 | 1.140 | 0.066 | 5.140 | 5.231 | 1.115 | 6.346 | 670.0 |
| 80 07 08 1139 | | | .3 | 1 | 0.208 | 0.014 | 0.105 | 1.460 | 0.016 | 0.950 | 1.071 | 1.355 | 2.426 | 843.0 |
| 80 08 05 1115 | | | .3 | 1 | 0.192 | 0.067 | 0.010 | 1.250 | 0.030 | 6.800 | 6.840 | 1.240 | 8.080 | 693.2 |
| 80 09 03 1218 | | | .3 | 1 | 0.136 | 0.011 | 0.145 | 1.060 | 0.011 | 0.130 | 0.286 | 0.915 | 1.201 | 1685.2 |
| 80 10 07 1035 | | | .3 | 1 | 0.240 | 0.069 | 0.025 | 1.25 | 0.030 | 3.17 | 3.225 | 1.225 | 4.450 | 1076.1 |
| 80 12 02 1025 | | | .3 | 1 | 0.210 | 0.070 | 0.020 | 1.280 | 0.033 | 3.100 | 3.153 | 1.260 | 4.413 | 891.4 |
| MAXIMUM | | | | | 0.240 | 0.077 | 0.205 | 1.460 | 0.134 | 11.400 | 11.516 | 1.355 | 12.151 | 1685.2 |
| ARITH MEAN | | | | | 0.160 | 0.048 | 0.080 | 1.10 | 0.041 | 5.49 | 5.614 | 1.025 | 6.640 | 864.7 |
| GEOM MEAN | | | | | 0.149 | 0.037 | 0.055 | 1.06 | 0.032 | 3.45 | 3.839 | 0.975 | 5.510 | 816.3 |
| MINIMUM | | | | | 0.070 | 0.010 | 0.010 | 0.580 | 0.011 | 0.130 | 0.286 | 0.455 | 1.201 | 486.0 |
| STD DEV | | | | | 0.057 | 0.028 | 0.065 | 0.27 | 0.036 | 3.70 | 3.717 | 0.305 | 3.576 | 337.9 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | PHNOL | SOLEXT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PHENOLS UNF-REAC UG/L PHENOL | SOLVENT EXTRACT. MG/L |
| 80 01 09 1145 | | | .3 | 1 | 7.5 | 700.5 | 980.0 | 12.00 | 83.500 | 7.82 | 1.000< | 1 |
| 80 02 04 1145 | | | .3 | 1 | 20.5 | 955.5 | 1390.0 | 12.00 | 195.000 | 7.60 | 1.000< | 0 |
| 80 03 04 1135 | | | .3 | 1 | 17.0 | 601.0 | 980.0 | 18.00 | 132.000 | 7.73 | 1.000 | 2 |
| 80 04 01 1300 | | | .3 | 1 | 70.0 | 416.0 | 555.0 | 58.00 | 32.000 | 7.84 | 1.000< | 2 |
| 80 05 06 1215 | | | .3 | 1 | 111.0 | 559.0 | 815.0 | 92.00 | 71.500 | 8.07 | 1.000< | |
| 80 07 08 1139 | | | .3 | 1 | 143.0 | 700.0 | 910.0 | 140.00 | 145.000 | 7.87 | 1.000< | 2 |
| 80 08 05 1115 | | | .3 | 1 | 126.9 | 566.3 | 980.0 | 93.00 | 135.000 | 7.89 | 1.000< | 0.00 |
| 80 09 03 1218 | | | .3 | 1 | 86.9 | 1598.3 | 2280.0 | 78.00 | 482.000 | 7.73 | | 1 |
| 80 10 07 1035 | | | .3 | 1 | 82.2 | 983.9 | 1470 | 73 | 400 | 8.08 | 1.0 < | 1 |
| 80 12 02 1025 | | | .3 | 1 | 69.8 | 821.6 | 1310.0 | 75.00 | 238.000 | 7.98 | 1.000< | |
| MAXIMUM | | | | | 143.0 | 1598.3 | 2280.0 | 140.00 | 482.000 | 8.08 | 1.000 | 2 |
| ARITH MEAN | | | | | 73.5 | 790.2 | 1167 | 65 | 191 | 7.86 | 1.0 L | 1 |
| GEOM MEAN | | | | | 53.3 | 738.0 | 1089 | 48 | 146 | 7.86 | 1.0 L | 1 |
| MINIMUM | | | | | 7.5 | 416.0 | 555.0 | 12.00 | 32.000 | 7.60 | 1.000< | 0 |
| STD DEV | | | | | 46.8 | 335.7 | 479 | 41 | 145 | 0.15 | 0.0 L | 0 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 8 |

B.O.W./ SITE: **BLACK CREEK**
SAMPLE POINT: **AT COUNTY ROAD 9 WEST OF OIL SPRINGS**
STATION TYPE: **RIVER FLOW GAUGE MOE 02GG101**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **SYDENHAM RIVER**

STATION ID: **04-0027-009-02**
STORET CODE: **02 003 2980**

LAT: LONG: U T M: **17 0404100.0 4737700.0 4** REGION: **01** DISTANCE: **49.406**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 02 04 1240 | | .3 | 1 | 38210 | 4 | 3500 | 1900 | 300 | 150 | 4< | 0.5 | 13.0 | 1.0 |
| 80 03 04 1209 | | .3 | 1 | 38219 | 4 | | | | | | 0.5 | 15.0 | 4.4 |
| 80 04 01 1240 | | .3 | 1 | 38229 | 3 | 4600 | 4100 | 350 | 480 | 4< | 4.0 | 12.0 | 2.4 |
| 80 05 06 1135 | | .3 | 1 | 38238 | 6 | 1000 | 19000 | 70I | 10< | 4< | 17.0 | 8.5 | 1.8 |
| 80 07 08 1200 | | .3 | 1 | 38248 | 3 | | | | | | 23.0 | 9.0 | 1.7 |
| 80 08 05 1145 | | .3 | 1 | 38258 | 6 | | | | | | 24.0 | 7.0 | 0.9 |
| 80 09 03 1310 | | .3 | 1 | 38268 | 6 | 320C | 24000> | 290 | 30I | 4< | 25.0 | 7.0 | 5.0 |
| 80 10 07 1115 | | .3 | 1 | 38278 | 6 | 8300 | 16000 | 40 | 8 | 4< | 9.0 | 9.0 | 1.3 |
| 80 12 02 1050 | | .3 | 1 | 38298 | 6 | 400C | 7300 | 28 | 264 | 4< | 4.0 | 11.0 | 0.4 |
| MAXIMUM | | | | | | 8300 | 24000> | 350 | 480 | 4 | 25.0 | 15.0 | 5.0 |
| ARITH MEAN | | | | | | 3020 | 12060G | 180 | 157L | 4L | 11.9 | 10.2 | 2.1 |
| GEOM MEAN | | | | | | 1605 | 8636G | 116 | 60L | 4L | 5.9 | 9.8 | 1.6 |
| MINIMUM | | | | | | 320 | 1900 | 28 | 8< | 4< | 0.5 | 7.0 | 0.4 |
| STD DEV | | | | | | 3125 | 8894G | 148 | 187L | 0L | 10.4 | 2.8 | 1.6 |
| NO OF SAMPLES | | | | | | 6 | 6 | 6 | 6 | 6 | 9 | 9 | 9 |

| TEST-NAME: | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 02 04 1240 | | .3 | 1 | 0.031 | 0.007 | 0.015 | 0.530 | 0.023 | 8.400 | 8.438 | 0.515 | 8.953 | 1284.0 |
| 80 03 04 1209 | | .3 | 1 | 0.092 | 0.020 | 0.045 | 1.020 | 0.025 | 5.280 | 5.350 | 0.975 | 6.325 | 1138.0 |
| 80 04 01 1240 | | .3 | 1 | 0.150 | 0.055 | 0.085 | 1.700 | 0.035 | 9.090 | 9.210 | 1.615 | 10.825 | 436.0 |
| 80 05 06 1135 | | .3 | 1 | 0.109 | 0.012 | 0.060 | 1.010 | 0.066 | 3.440 | 3.566 | 0.950 | 4.516 | 786.0 |
| 80 07 08 1200 | | .3 | 1 | 0.094 | 0.005 | 0.075 | 1.180 | 0.008 | 0.070 | 0.153 | 1.105 | 1.258 | 1654.0 |
| 80 08 05 1145 | | .3 | 1 | 0.076 | 0.010 | 0.035 | 0.950 | 0.027 | 1.510 | 1.572 | 0.915 | 2.487 | 1025.7 |
| 80 09 03 1310 | | .3 | 1 | 0.150 | 0.004 | 0.040 | 1.640 | 0.005 | 0.020 | 0.065 | 1.600 | 1.665 | 1581.8 |
| 80 10 07 1115 | | .3 | 1 | 0.048 | 0.007 | 0.045 | 0.84 | 0.004 | 0.17 | 0.219 | 0.795 | 1.014 | 1302.8 |
| 80 12 02 1050 | | .3 | 1 | 0.042 | 0.004 | 0.210 | 0.700 | 0.008 | 0.270 | 0.488 | 0.490 | 0.978 | 3805.6 |
| MAXIMUM | | | | 0.150 | 0.055 | 0.210 | 1.700 | 0.066 | 9.090 | 9.210 | 1.615 | 10.825 | 3805.6 |
| ARITH MEAN | | | | 0.088 | 0.014 | 0.068 | 1.06 | 0.022 | 3.13 | 3.229 | 0.996 | 4.225 | 1446.0 |
| GEOM MEAN | | | | 0.077 | 0.009 | 0.053 | 1.00 | 0.016 | 0.80 | 1.106 | 0.923 | 2.895 | 1234.6 |
| MINIMUM | | | | 0.031 | 0.004 | 0.015 | 0.530 | 0.004 | 0.020 | 0.065 | 0.490 | 0.978 | 436.0 |
| STD DEV | | | | 0.044 | 0.016 | 0.057 | 0.39 | 0.020 | 3.66 | 3.646 | 0.403 | 3.702 | 962.0 |
| NO OF SAMPLES | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| TEST-NAME: | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | PHNOL | SOLEXT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PHENOLS UNF-REAC UG/L PHENOL | SOLVENT EXTRACT. MG/L |
| 80 02 04 1240 | | .3 | 1 | 29.0 | 1255.0 | 1750.0 | 12.00 | 325.000 | 7.65 | 1.000< | 1 |
| 80 03 04 1209 | | .3 | 1 | 2.5 | 1135.5 | 5100.0 | 25.00 | 300.000 | 7.78 | 1.000< | |
| 80 04 01 1240 | | .3 | 1 | 24.0 | 412.0 | 515.0 | 60.00 | 34.000 | 7.71 | | |
| 80 05 06 1135 | | .3 | 1 | 56.0 | 730.0 | 970.0 | 43.00 | 135.000 | 7.91 | 1.000< | |
| 80 07 08 1200 | | .3 | 1 | 30.7 | 1623.0 | 1980.0 | 25.00 | 24.500 | 7.82 | | |
| 80 08 05 1145 | | .3 | 1 | 30.4 | 995.3 | 1490.0 | 24.00 | 310.000 | 7.95 | 1.000 | |
| 80 09 03 1310 | | .3 | 1 | 36.9 | 1544.9 | 2100.0 | 31.00 | 545.000 | 7.81 | 1.000 | |
| 80 10 07 1115 | | .3 | 1 | 10.3 | 1292.5 | 1700 | 11 | 375 | 7.97 | 1.0 < | |
| 80 12 02 1050 | | .3 | 1 | 19.7 | 3785.9 | | 16.00 | 1580.000 | 7.83 | 1.000< | |
| MAXIMUM | | | | 56.0 | 3785.9 | 5100.0 | 60.00 | 1580.000 | 7.97 | 1.000 | 1 |
| ARITH MEAN | | | | 26.6 | 1419.3 | 1950 | 27 | 403 | 7.83 | 1.0 L | 1 |
| GEOM MEAN | | | | 20.6 | 1201.9 | 1617 | 23 | 217 | 7.82 | 1.0 L | |
| MINIMUM | | | | 2.5 | 412.0 | 515.0 | 11 | 24.500 | 7.65 | 1.000< | 1 |
| STD DEV | | | | 15.4 | 965.1 | 1377 | 15 | 472 | 0.11 | 0.0 L | |
| NO OF SAMPLES | | | | 9 | 9 | 8 | 9 | 9 | 9 | 7 | 1 |

B.O.W./ SITE: **BEAR CREEK**
SAMPLE POINT: **AT HIGHWAY 21 2 MILES N-E OF PETROLIA**
STATION TYPE: **RIVER FLOW GAUGE FED 02GG006**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **SYDENHAM RIVER**

STATION ID: **04-0027-010-02**
STORET CODE: **02 003 2980**

LAT: LONG: U T M: **17 0408250.0 4749815.0 4** REGION: **01** DISTANCE: **73.706**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 01 09 1305 | | .3 | 1 | 38203 | 4 | 0.686 | 290 | 850 | 48 | 560 | 4< | 0.0 | 12.0 |
| 80 02 04 1345 | | .3 | 1 | 38212 | 4 | 0.320 | 180 | 920 | 8 | 30I | 4< | 0.0 | 12.0 |
| 80 03 04 1400 | | .3 | 1 | 38221 | 4 | 0.510 | | | | | | 0.0 | 13.0 |
| 80 04 01 1030 | | .3 | 1 | 38227 | 3 | 6.510 | 3300 | 2900 | 100 | 380 | 4< | 5.0 | 12.0 |
| 80 05 06 1005 | | .3 | 1 | 38236 | 6 | 0.900 | 270C | 8000 | 40 | 20I | 4< | 13.5 | 9.0 |
| 80 07 08 1300 | | .3 | 1 | 38250 | 3 | 0.650 | | | | | | 22.0 | 8.0 |
| 80 08 05 1350 | | .3 | 1 | 38260 | 6 | 0.700 | | | | | | 25.0 | 9.0 |
| 80 09 03 1350 | | .3 | 1 | 38270 | 6 | 0.221 | 130C | 7000 | 20I | 4 | 4< | 25.0 | 9.0 |
| 80 10 07 1230 | | .3 | 1 | 38280 | 6 | 0.735 | 600I | 19000 | 104 | 88 | 4< | 10.0 | 9.0 |
| 80 11 04 1120 | | .3 | 1 | 38290 | 6 | 0.335 | 90I | 2110 | 4< | 4< | 4< | 8.0 | 11.0 |
| 80 12 02 1235 | | .3 | 1 | 38300 | 6 | 0.260 | 288C | 2720 | 76 | 96 | 4< | 3.0 | 12.0 |
| MAXIMUM | | | | | | 6.510 | 3300 | 19000 | 104 | 560 | 4 | 25.0 | 13.0 |
| ARITH MEAN | | | | | | 1.075 | 643 | 5437 | 50L | 148L | 4L | 10.1 | 10.5 |
| GEOM MEAN | | | | | | 0.808 | 314 | 3294 | 32L | 45L | 4L | 5.7 | 10.4 |
| MINIMUM | | | | | | 0.221 | 90 | 850 | 4< | 4< | 4< | 0.0 | 8.0 |
| STD DEV | | | | | | 1.816 | 1085 | 6065 | 40L | 208L | 0L | 9.9 | 1.8 |
| NO OF SAMPLES | | | | | | 11 | 8 | 8 | 8 | 8 | 8 | 11 | 11 |

| TEST-NAME: | | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 01 09 1305 | | | .3 | 1 | 0.5 | 0.040 | 0.027 | 0.055 | 0.420 | 0.031 | 11.800 | 11.886 | 0.365 | 12 251 |
| 80 02 04 1345 | | | .3 | 1 | 0 7 | 0.030 | 0.013 | 0.025 | 0.410 | 0.015 | 7.700 | 7.740 | 0.385 | 8.125 |
| 80 03 04 1400 | | | .3 | 1 | 1.7 | 0.087 | 0.040 | 0.100 | 0.660 | 0.024 | 6.430 | 6.554 | 0.560 | 7.114 |
| 80 04 01 1030 | | | .3 | 1 | 2.4 | 0.094 | 0.043 | 0.065 | 0.920 | 0.029 | 10.600 | 10 694 | 0.855 | 11.549 |
| 80 05 06 1005 | | | .3 | 1 | 2.0 | 0.042 | 0.008 | 0.020 | 0.470 | 0.043 | 4.960 | 5.023 | 0.450 | 5.473 |
| 80 07 08 1300 | | | .3 | 1 | 1.6 | 0.106 | 0.013 | 0.080 | 1.100 | 0.054 | 3.300 | 3.434 | 1.020 | 4.454 |
| 80 08 05 1350 | | | .3 | 1 | 3.0 | 0.127 | 0.036 | 0.005 | 0.930 | 0.086 | 7.200 | 7.291 | 0.925 | 8.216 |
| 80 09 03 1350 | | | .3 | 1 | 3.6 | 0.130 | 0.003 | 0.090 | 1.950 | 0.009 | 0.090 | 0.189 | 1.860 | 2.049 |
| 80 10 07 1230 | | | .3 | 1 | 1.2 | 0.110 | 0.035 | 0.040 | 0.85 | 0.021 | 4.0 | 4.061 | 0.810 | 4.871 |
| 80 11 04 1120 | | | .3 | 1 | 1.8 | 0.042 | 0.009 | 0.025 | 0.860 | 0.039 | 7.200 | 7.264 | 0.835 | 8.099 |
| 80 12 02 1235 | | | .3 | 1 | 2.6 | 0.065 | 0.004 | 0.010 | 0.920 | 0.008 | 1.890 | 1.908 | 0.910 | 2.818 |
| MAXIMUM | | | | | 3.6 | 0.130 | 0.043 | 0.100 | 1.950 | 0.086 | 11.800 | 11.886 | 1.860 | 12.251 |
| ARITH MEAN | | | | | 1.9 | 0.079 | 0.021 | 0.047 | 0.86 | 0.033 | 5.9 | 6.004 | 0.816 | 6.820 |
| GEOM MEAN | | | | | 1.7 | 0.071 | 0.015 | 0.034 | 0.78 | 0.026 | 3.9 | 4.271 | 0.733 | 6.015 |
| MINIMUM | | | | | 0.5 | 0.030 | 0.003 | 0.005 | 0.410 | 0.008 | 0.090 | 0.189 | 0.365 | 2.049 |
| STD DEV | | | | | 0.9 | 0.037 | 0.016 | 0.033 | 0.43 | 0.023 | 3.6 | 3.637 | 0.417 | 3.274 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH | PHNOL | SOLEXT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PHENOLS UNF-REAC UG/L PHENOL | SOLVENT EXTRACT. MG/L |
| 80 01 09 1305 | | | .3 | 1 | 536.0 | 3.5 | 532.5 | 800.0 | 6.90 | 35.500 | 7.85 | 1.000< | 1 |
| 80 02 04 1345 | | | .3 | 1 | 552.0 | 16.5 | 535.5 | 810.0 | 6.70 | 37.500 | 7.78 | | 3 |
| 80 03 04 1400 | | | .3 | 1 | 510.0 | 6.5 | 503.5 | 780.0 | 12.00 | 56.500 | 7.76 | 1.000 | |
| 80 04 01 1030 | | | .3 | 1 | 432.0 | 34.0 | 398.0 | 540.0 | 30.00 | 21.000 | 7.94 | 1.000< | 2 |
| 80 05 06 1005 | | | .3 | 1 | 650.0 | 37.5 | 612.5 | 630.0 | 30.00 | 34.000 | 8.07 | 1.000< | |
| 80 07 08 1300 | | | .3 | 1 | 491.0 | 43.0 | 448.0 | 580.0 | 45.00 | 67.000 | 7.99 | 1.000< | 2 |
| 80 08 05 1350 | | | .3 | 1 | 476.0 | 61.2 | 414.8 | 680.0 | 46.00 | 97.000 | 7.92 | 1.000< | 0.00 |
| 80 09 03 1350 | | | .3 | 1 | 409.6 | 26.8 | 382.8 | 550.0 | 30.00 | 35.500 | 8.14 | 1.000 | 2 |
| 80 10 07 1230 | | | .3 | 1 | 487.2 | 19.2 | 468.0 | 695 | 21 | 46.0 | 8.03 | 1.0 < | 4 |
| 80 11 04 1120 | | | .3 | 1 | 470.9 | 14.9 | 456.0 | 760.0 | 10.00 | 39.000 | 8.11 | | |
| 80 12 02 1235 | | | .3 | 1 | 480.80 | 10.00 | 470.80 | 770.0 | 5.00 | 62.000 | 8.07 | 1.000< | |
| MAXIMUM | | | | | 650.0 | 61.2 | 612.5 | 810.0 | 46.00 | 97.000 | 8.14 | 1.000 | 4 |
| ARITH MEAN | | | | | 499.5 | 24.8 | 474.7 | 690 | 22 | 48.2 | 7.97 | 1.0 L | 2 |
| GEOM MEAN | | | | | 496.0 | 18.8 | 470.5 | 683 | 16 | 44.5 | 7.97 | 1.0 L | 1 |
| MINIMUM | | | | | 409.6 | 3.5 | 382.8 | 540.0 | 5.00 | 21.000 | 7.76 | 1.000< | 0.00 |
| STD DEV | | | | | 64.3 | 17.6 | 67.7 | 101 | 15 | 21.1 | 0.13 | 0.0 L | 1 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 9 | 7 |

B.O.W./ SITE: **BROWN CREEK**
SAMPLE POINT: **FIRST CONCESSION SOUTH OF WATFORD**
STATION TYPE: **RIVER FLOW GAUGE FED 02GA105**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **SYDENHAM RIVER**

STATION ID: **04-0027-011-02**
STORET CODE: **02**
**003**
**2980**

LAT: LONG: U T M: **17 0429140.0 4753275.0 4** REGION: **01** DISTANCE: **117.157**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 09 1420 | | | .3 | 1 | 38205 | 4 | 1500 | 3900 | 40I | 120 | 4< | 0.0 | 12.5 | 0.6 |
| 80 02 04 1515 | | | .3 | 1 | 38214 | 4 | 200 | 1500 | 36 | 44 | 4< | 0.5 | 12.5 | 0.6 |
| 80 03 04 1520 | | | .3 | 1 | 38223 | 4 | | | | | | 0.5 | 12.5 | 1.9 |
| 80 04 01 0935 | | | .3 | 1 | 38225 | 3 | 4300 | 5600 | 520 | 990 | 4< | 4.5 | 12.0 | 2.5 |
| 80 05 06 1520 | | | .3 | 1 | 38242 | 5 | 320C | 6000 | 30I | 10< | 4< | 18.0 | 13.5 | 2 9 |
| 80 07 08 1520 | | | .3 | 1 | 38252 | 6 | | | | | | 22.0 | 12 0 | 3.8 |
| 80 08 05 1520 | | | .3 | 1 | 38262 | 6 | | | | | | 23.0 | | 1.2 |
| 80 09 03 1507 | | | .3 | 1 | 38272 | 6 | 1600 | 7200 | 40I | 44 | 4< | 25.0 | 9.0 | 2.0 |
| 80 10 07 1340 | | | .3 | 1 | 38282 | 6 | 6300 | 22000 | 440 | 256 | 4 | 10.0 | 10.0 | |
| 80 11 04 1245 | | | .3 | 1 | 38292 | 6 | 220C | 4400 | 16 | 84 | 4< | 8.0 | 11.0 | 0 7 |
| 80 12 02 1350 | | | .3 | 1 | 38302 | 6 | 970C | 21500 | 128 | 600> | 4< | 4.0 | 10.0 | 1.2 |
| MAXIMUM | | | | | | | 6300 | 22000 | 520 | 990> | 4 | 25.0 | 13.5 | 3.8 |
| ARITH MEAN | | | | | | | 1926 | 9012 | 156 | 268[illegible] | 4L | 10.5 | 11.5 | 1.7 |
| GEOM MEAN | | | | | | | 985 | 6436 | 73 | 116[illegible] | 4L | 5.2 | 11.4 | 1.4 |
| MINIMUM | | | | | | | 200 | 1500 | 16 | 10< | 4< | 0.0 | 9.0 | 0.6 |
| STD DEV | | | | | | | 2218 | 8040 | 204 | 340[illegible] | 0L | 9.7 | 1.4 | 1.1 |
| NO OF SAMPLES | | | | | | | 8 | 8 | 8 | 8 | 8 | 11 | 10 | 10 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 09 1420 | | | .3 | 1 | 0.114 | 0.105 | 0.095 | 0 440 | 0.031 | 13.500 | 13.626 | 0.345 | 13.971 | 556.0 |
| 80 02 04 1515 | | | .3 | 1 | 0.115 | 0.083 | 0.100 | 0 600 | 0.015 | 9.600 | 9.715 | 0.500 | 10.215 | 492.0 |
| 80 03 04 1520 | | | .3 | 1 | 0.235 | 0.144 | 0.325 | 1 300 | 0 019 | 7.830 | 8.174 | 0.975 | 9.149 | 586.0 |
| 80 04 01 0935 | | | .3 | 1 | 0.235 | 0.171 | 0.195 | 1 350 | 0.034 | 9.270 | 9.499 | 1.155 | 10.654 | 414.0 |
| 80 05 06 1520 | | | .3 | 1 | 0 325 | 0.180 | 0.045 | 1 050 | 0.046 | 2.710 | 2.801 | 1.005 | 3.806 | 410.0 |
| 80 07 08 1520 | | | .3 | 1 | 0.332 | 0.096 | 0.210 | 1 600 | 0.020 | 0.210 | 0.440 | 1.390 | 1.830 | 481.0 |
| 80 08 05 1520 | | | .3 | 1 | 0 380 | 0.280 | 0.035 | 1 350 | 0.069 | 7.400 | 7.504 | 1.315 | 8.819 | 461.8 |
| 80 09 03 1507 | | | .3 | 1 | 0.195 | 0.059 | 0.090 | 1 200 | 0.009 | 0.010 | 0.109 | 1.110 | 1.219 | 359.4 |
| 80 10 07 1340 | | | .3 | 1 | 0 435 | 0.35 | 0.050 | 1 75 | 0.077 | 8.9 | 9.027 | 1.700 | 10.727 | |
| 80 11 04 1245 | | | .3 | 1 | 0.122 | 0.077 | 0.010 | 0 940 | 0.026 | 10.000 | 10.036 | 0.930 | 10.966 | 511.7 |
| 80 12 02 1350 | | | .3 | 1 | 0.520 | 0 370 | 0.130 | 1 350 | 0.035 | 6.200 | 6.365 | 1.220 | 7.585 | 547.4 |
| MAXIMUM | | | | | 0.520 | 0.370 | 0.325 | 1.75 | 0.077 | 13.500 | 13.626 | 1.700 | 13.971 | 586.0 |
| ARITH MEAN | | | | | 0.273 | 0.17 | 0.117 | 1.17 | 0.035 | 6.8 | 7.027 | 1.069 | 8.086 | 481.9 |
| GEOM MEAN | | | | | 0.241 | 0.14 | 0.082 | 1.09 | 0.029 | 3.0 | 4.131 | 0.976 | 6.636 | 476.9 |
| MINIMUM | | | | | 0.114 | 0.059 | 0.010 | 0.440 | 0.009 | 0.010 | 0.109 | 0.345 | 1.219 | 359.4 |
| STD DEV | | | | | 0.137 | 0.11 | 0.094 | 0.39 | 0.022 | 4.2 | 4.266 | 0.384 | 4.093 | 72.1 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 10 |

(CONTD)

| | | | |
|---|---|---|---|
| B O W / SITE | **BROWN CREEK** | | STATION ID: **04-0027-011-02** |
| SAMPLE POINT | **FIRST CONCESSION SOUTH OF WATFORD** | MAJOR BASIN **GREAT LAKES** | STORET CODE: **02**<br>**003**<br>**2980** |
| STATION TYPE | **RIVER FLOW GAUGE FED 02GA105** | MINOR BASIN **LAKE ERIE**<br>TERM STREAM **SYDENHAM RIVER** | |
| LAT | LONG: | U T M: **17 0429140.0 4753275.0 4** REGION: **01** | DISTANCE: **117.157** |

| TEST-NAME: | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | PHNOL | FEUT | CRUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU |
| 80 01 09 1420 | | .3 | 1 | 10.5 | 545.5 | 810.0 | 10.00 | 32.500 | 7.81 | 1.000< | | | |
| 80 02 04 1515 | | .3 | 1 | 29.0 | 463.0 | 780.0 | 11.00 | 32.500 | 7.78 | | 0.74 | 0.02 < | 0.01 < |
| 80 03 04 1520 | | .3 | 1 | 19.5 | 566.5 | 840.0 | 15.00 | 58.000 | 7.74 | 1.000< | | 0.020< | 0.010< |
| 80 04 01 0935 | | .3 | 1 | 34.0 | 380.0 | 500.0 | 33.00 | 26.500 | 7.74 | 1.000< | | 0.020< | 0.010 |
| 80 05 06 1520 | | .3 | 1 | 30.5 | 379.5 | 610.0 | 16.00 | 25.000 | 8.26 | 1.000< | | 0.020< | 0.010< |
| 80 07 08 1520 | | .3 | 1 | 91.0 | 390.0 | 510.0 | 85.00 | 49.500 | 8.39 | 1.000< | | 0.02 < | 0.01 < |
| 80 08 05 1520 | | .3 | 1 | 26.1 | 435.7 | 710.0 | 19.00 | 31.500 | 8.12 | 1.500 | | 0.004 | 0.083 |
| 80 09 03 1507 | | .3 | 1 | 26.2 | 333.2 | 487.0 | 58.00 | 34.500 | 8.05 | 1.000 | | 0.004 | 0.003 |
| 80 10 07 1340 | | .3 | 1 | | | | 28 | 46.0 | | | | 0.005 | 0.001< |
| 80 11 04 1245 | | .3 | 1 | 19.7 | 492.0 | 780.0 | 16.00 | 30.500 | 8.03 | | | | |
| 80 12 02 1350 | | .3 | 1 | 62.0 | 485.4 | 720.0 | 48.00 | 36.000 | 7.77 | 1.000< | | 0.015 | 0.014 |
| MAXIMUM | | | | 91.0 | 566.5 | 840.0 | 85.00 | 58.000 | 8.39 | 1.500 | 0.74 | 0.02 | 0.083 |
| ARITH MEAN | | | | 34.8 | 447.1 | 674.7 | 30 | 36.5 | 7.97 | 1.062L | 0.74 | 0.01 L | 0.01 L |
| GEOM MEAN | | | | 29.3 | 441.1 | 661.4 | 24 | 35.4 | 7.97 | 1.052L | | 0.01 L | 0.00 L |
| MINIMUM | | | | 10.5 | 333.2 | 487.0 | 10.00 | 25.000 | 7.74 | 1.000< | 0.74 | 0.004< | 0.001< |
| STD DEV | | | | 23.9 | 76.8 | 136.7 | 23 | 10.2 | 0.24 | 0.177L | | 0.00 L | 0.02 L |
| NO OF SAMPLES | | | | 10 | 10 | 10 | 11 | 11 | 10 | 8 | 1 | 9 | 9 |

| TEST-NAME: | | | | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 02 04 1515 | | .3 | 1 | 0.03 < | | 0.39 |
| 80 03 04 1520 | | .3 | 1 | 0.030 | 0.010< | 0.250 |
| 80 04 01 0935 | | .3 | 1 | 0.030< | 0.010< | 0.020< |
| 80 05 06 1520 | | .3 | 1 | 0.030< | 0.010< | 0.050 |
| 80 07 08 1520 | | .3 | 1 | 0.03 < | 0.01 | 0.02 < |
| 80 08 05 1520 | | .3 | 1 | 0.003< | 0.003 | 0.035 |
| 80 09 03 1507 | | .3 | 1 | 0.003< | 0.006 | 0.021 |
| 80 10 07 1340 | | .3 | 1 | 0.003< | 0.002 | 0.010 |
| 80 12 02 1350 | | .3 | 1 | 0.003< | 0.015 | 4.0 |
| MAXIMUM | | | | 0.03 | 0.016 | 4.0 |
| ARITH MEAN | | | | 0.01 L | 0.00 L | 0.5 L |
| GEOM MEAN | | | | 0.01 L | 0.00 L | 0.0 L |
| MINIMUM | | | | 0.003< | 0.002< | 0.010< |
| STD DEV | | | | 0.01 L | 0.00 L | 1.3 L |
| NO OF SAMPLES | | | | 9 | 8 | 9 |

| | | | |
|---|---|---|---|
| B O W / SITE | **SYDENHAM RIVER** | | STATION ID: **04-0027-012-02** |
| SAMPLE POINT | **1ST.CONC.NORTH OF ALVINSTON** | MAJOR BASIN: **GREAT LAKES** | STORET CODE: **02**<br>**003**<br>**2980** |
| STATION TYPE | **RIVER FLOW GAUGE FED 02GG002** | MINOR BASIN: **LAKE ERIE**<br>TERM STREAM: **SYDENHAM RIVER** | |
| LAT: | LONG. | U T M: **17 0430400.0 4742200.0 4** REGION: **01** | DISTANCE: **97.041** |

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 01 09 0920 | | .3 | 1 | 38200 | 4 | 0.686 | 820 | 1850 | 44 | 100 | 4< | 0.0 | 13.0 |
| 80 02 04 0830 | | .3 | 1 | 38206 | 4 | 0.320 | 720 | 1000 | 160 | 52 | 4< | 0.0 | 13.0 |
| 80 03 04 0830 | | .3 | 1 | 38215 | 4 | 0.510 | 28 | 604 | 12 | 8 | 4< | 0.0 | 12.5 |
| 80 04 01 1535 | | .3 | 1 | 38233 | 3 | 6.510 | 2100 | 2800 | 140 | 440 | 4< | 6.0 | 12.0 |
| 80 05 06 0815 | | .3 | 1 | 38234 | 6 | 0.900 | 120C | 4500 | 30I | 10< | 4< | 9.0 | 8.0 |
| 80 07 08 0833 | | .3 | 1 | 38244 | 3 | 0.650 | | | | | | 21.0 | 11.0 |
| 80 08 05 0845 | | .3 | 1 | 38254 | 6 | 0.700 | | | | | | 23.5 | 7.0 |
| 80 09 03 0830 | | .3 | 1 | 38264 | 6 | 0.221 | 14000C | 240000> | 1220 | 600> | 4 | 20.0 | 7.0 |
| 80 11 04 0828 | | .3 | 1 | 38284 | 6 | 0.335 | 530C | 7600 | 10< | 10< | 4< | 8.0 | 10.0 |
| 80 12 02 0830 | | .3 | 1 | 38294 | 6 | 0.260 | 500 | 1810 | 236 | 316 | 4< | 8.0 | 10.0 |
| MAXIMUM | | | | | | 6.510 | 14000 | 240000> | 1220 | 600> | 4 | 23.5 | 13.0 |
| ARITH MEAN | | | | | | 1.109 | 2352 | 32520G | 231L | 1928 | 4L | 9.5 | 10.3 |
| GEOM MEAN | | | | | | 0.597 | 594 | 3832G | 75L | 668 | 4L | 5.7 | 10.1 |
| MINIMUM | | | | | | 0.221 | 28 | 604 | 10< | 8< | 4< | 0.0 | 7.0 |
| STD DEV | | | | | | 1.911 | 4749 | 83865G | 408L | 2308 | 0L | 9.0 | 2.4 |
| NO OF SAMPLES | | | | | | 10 | 8 | 8 | 8 | 8 | 8 | 10 | 10 |

| TEST-NAME: | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 01 09 0920 | | .3 | 1 | 0.6 | 0.055 | 0.042 | 0.175 | 0.620 | 0.021 | 6.300 | 6.496 | 0.445 | 6.941 |
| 80 02 04 0830 | | .3 | 1 | 1.1 | 0.075 | 0.049 | 0.260 | 0.630 | 0.016 | 3.800 | 4.076 | 0.370 | 4.446 |
| 80 03 04 0830 | | .3 | 1 | 1.4 | 0.080 | 0.049 | 0.195 | 0.660 | 0.017 | 3.890 | 4.102 | 0.465 | 4.567 |
| 80 04 01 1535 | | .3 | 1 | 1.4 | 0.158 | 0.047 | 0.090 | 1.210 | 0.032 | 8.270 | 8.392 | 1.120 | 9.512 |
| 80 05 06 0815 | | .3 | 1 | 2.6 | 0.112 | 0.023 | 0.050 | 0.820 | 0.071 | 2.280 | 2.401 | 0.770 | 3.171 |
| 80 07 08 0833 | | .3 | 1 | 1.2 | 0.186 | 0.054 | 0.055 | 1.120 | 0.047 | 3.500 | 3.602 | 1.065 | 4.667 |
| 80 08 05 0845 | | .3 | 1 | 0.9 | 0.129 | 0.050 | 0.005 | 1.210 | 0.039 | 7.400 | 7.444 | 1.205 | 8.649 |
| 80 09 03 0830 | | .3 | 1 | 0.8 | 0.124 | 0.025 | 0.065 | 0.780 | 0.013 | 1.640 | 1.718 | 0.715 | 2.433 |
| 80 11 04 0828 | | .3 | 1 | 1.2 | 0.055 | 0.013 | 0.010 | 0.660 | 0.021 | 3.580 | 3.611 | 0.650 | 4.261 |
| 80 12 02 0830 | | .3 | 1 | 0.5 | 0.018 | 0.001 | 0.020 | 0.470 | 0.013 | 2.400 | 2.433 | 0.450 | 2.883 |
| MAXIMUM | | | | 2.6 | 0.186 | 0.054 | 0.260 | 1.210 | 0.071 | 8.270 | 8.392 | 1.205 | 9.512 |
| ARITH MEAN | | | | 1.2 | 0.099 | 0.035 | 0.092 | 0.818 | 0.029 | 4.306 | 4.427 | 0.725 | 5.153 |
| GEOM MEAN | | | | 1.1 | 0.084 | 0.025 | 0.052 | 0.780 | 0.025 | 3.808 | 3.933 | 0.668 | 4.688 |
| MINIMUM | | | | 0.5 | 0.018 | 0.001 | 0.005 | 0.470 | 0.013 | 1.640 | 1.718 | 0.370 | 2.433 |
| STD DEV | | | | 0.6 | 0.052 | 0.018 | 0.088 | 0.268 | 0.019 | 2.264 | 2.265 | 0.309 | 2.422 |
| NO OF SAMPLES | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

(CONTD)

| TEST-NAME: | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 09 0920 | | .3 | 1 | 446.0 | 2.0 | 444.0 | 680.0 | 3.80 | 21.000 | 7.24 |
| 80 02 04 0830 | | .3 | 1 | 414.0 | 17.0 | 397.0 | 640.0 | 5.10 | 19.000 | 7.74 |
| 80 03 04 0830 | | .3 | 1 | 426.0 | 10.0 | 416.0 | 650.0 | 8.20 | 23.500 | 7.85 |
| 80 04 01 1535 | | .3 | 1 | 404.0 | 41.0 | 363.0 | 525.0 | 28.00 | 18.000 | 8.07 |
| 80 05 06 0815 | | .3 | 1 | 450.0 | 41.0 | 409.0 | 585.0 | 20.00 | 23.000 | 8.17 |
| 80 07 08 0833 | | .3 | 1 | 526.0 | 105.0 | 421.0 | 540.0 | 85.00 | 21.000 | 8.05 |
| 80 08 05 0845 | | .3 | 1 | 428.4 | 36.6 | 391.8 | 650.0 | 28.00 | 25.000 | 7.95 |
| 80 09 03 0830 | | .3 | 1 | 407.7 | 56.2 | 351.5 | 515.0 | 41.00 | 16.500 | 8.10 |
| 80 11 04 0828 | | .3 | 1 | 414.9 | 11.1 | 403.8 | 650.0 | 6.60 | 28.000 | 8.14 |
| 80 12 02 0830 | | .3 | 1 | 379.7 | 10.9 | 368.8 | | 3.50 | 19.500 | 8.19 |
| MAXIMUM | | | | 526.0 | 105.0 | 444.0 | 680.0 | 85.00 | 28.000 | 8.19 |
| ARITH MEAN | | | | 429.7 | 33.1 | 396.6 | 603.9 | 22.92 | 21.450 | 7.96 |
| GEOM MEAN | | | | 428.1 | 20.8 | 395.7 | 600.9 | 13.60 | 21.203 | 7.96 |
| MINIMUM | | | | 379.7 | 2.0 | 351.5 | 515.0 | 3.50 | 16.500 | 7.24 |
| STD DEV | | | | 39.5 | 30.9 | 28.6 | 63.3 | 25.35 | 3.476 | 0.29 |
| NO OF SAMPLES | | | | 10 | 10 | 10 | 9 | 10 | 10 | 10 |

B.O.W./ SITE: **WELLAND SHIP CANAL**
SAMPLE POINT: **AT WEIR DOWNSTREAM FROM LAKESHORE ROAD**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **WELLAND SHIP CANAL**

STATION ID: **06-0014-001-02**
STORET CODE: **02**
**004**
**5170**

LAT: LONG: U T M: **17 0645025.0 4786890.0 4** REGION: **02** DISTANCE: **3.219**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 14 1210 | | .3 | 1 | 28302 | 6 | 110 | 50 | 2.5 | 13.5 | 0.2 | 0.068 | 0.020 | 0.112 |
| 80 02 27 1510 | | .3 | 1 | 28345 | 6 | 10< | 60I | 3.0 | 13.2 | 0.2 | 0.037 | 0.005 | 0.068 |
| 80 03 13 1140 | | .3 | 1 | 28394 | 6 | | | 2.2 | 14.2 | | 0.033 | | |
| 80 03 24 1115 | | .3 | 1 | 28409 | 3 | 16 | 180I | 3.8 | 13.4 | 0.4 | 0.088 | 0.030 | 0.146 |
| 80 04 02 1300 | | .3 | 1 | 28445 | 3 | | | 4.5 | 14.4 | | 0.233 | | |
| 80 04 10 1135 | | .3 | 1 | 28449 | 3 | | | 6.2 | 14.5 | | 0.308 | | |
| 80 04 15 1410 | | .3 | 1 | 28460 | 3 | | | 5.2 | 13.0 | | 0.080 | | |
| 80 04 24 1545 | | .3 | 1 | 28472 | 3 | 320 | 60I | 6.5 | | 0.2 | 0.075 | 0.016 | 0.094 |
| 80 04 30 1220 | | .3 | 1 | 28499 | 3 | | | 7.5 | 11.1 | | 0.065 | | |
| 80 05 06 1510 | | .3 | 1 | 28508 | 6 | | | 11.0 | 12.2 | | 0.044 | | |
| 80 05 13 1425 | | .3 | 1 | 28535 | 6 | | | 10.0 | 10.0 | | 0.047 | | |
| 80 05 21 1040 | | .3 | 1 | 28538 | 6 9 0 | 10< | 4 | 13.0 | 12.1 | 0.8 | 0.290 | 0.120 | 0.040 |
| 80 05 29 1005 | | .3 | 1 | 28548 | 6 0 | | | 14.0 | | | 0.031 | | |
| 80 06 09 1435 | | .3 | 1 | 28557 | 6 | 60 | 60 | 14.0 | 11.2 | 0.4 | 0.041 | 0.009 | 0.019 |
| 80 06 25 1310 | | .3 | 1 | 28592 | 6 | | | 20.5 | 8.0 | | 0.048 | | |
| 80 07 06 1715 | | .3 | 1 | 80020 | 6 | | | 21.0 | 9.0 | | 0.038 | 0.005 | 0.044 |
| 80 07 07 0355 | | .3 | 1 | 80021 | 6 | | | 20.0 | 9.2 | | 0.032 | 0.009 | 0.056 |
| 80 07 15 1425 | | .3 | 1 | 28593 | 6 | | | 24.5 | 10.4 | | 0.033 | 0.004 | 0.034 |
| 80 07 28 1355 | | .3 | 1 | 28636 | 6 9 | 100I | 20< | 23.5 | 8.8 | 1.4 | 0.062 | 0.010 | 0.900 |
| 80 08 11 1435 | | .3 | 1 | 28639 | 6 | | | 26.0 | 10.6 | | 0.030 | | |
| 80 08 26 1435 | | .3 | 1 | 28680 | 6 | 130 | 20I | 24.0 | 14.0 | 0.6 | 0.028 | 0.004 | 0.022 |
| 80 09 08 1340 | | .3 | 1 | 28682 | 6 | | | 24.0 | 10.0 | | 0.040 | | |
| 80 09 23 1135 | | .3 | 1 | 28723 | 6 | 10I | 20I | 20.8 | 10.1 | 0.1 | 0.035 | 0.005 | 0.032 |
| 80 10 29 1430 | | .3 | 1 | 28726 | 6 | 190 | 30I | 8.0 | 12.8 | 0.8 | 0.072 | 0.006 | 0.058 |
| 80 11 26 1055 | | .3 | 1 | 28776 | 6 | 380 | 60I | 8.0 | 12.6 | 1.2 | 0.035 | | |
| 80 12 17 1225 | | .3 | 1 | 28821 | 6 | 40I | 20< | 3.5 | 14.1 | 0.8 | 0.032 | 0.007 | 0.034 |
| MAXIMUM | | | | | | 380 | 180 | 26.0 | 14.5 | 1.4 | 0.308 | 0.120 | 0.900 |
| ARITH MEAN | | | | | | 115L | 49L | 12.6 | 11.8 | 0.6 | 0.074 | 0.018 | 0.118 |
| GEOM MEAN | | | | | | 57L | 34L | 9.7 | 11.6 | 0.4 | 0.065 | 0.010 | 0.060 |
| MINIMUM | | | | | | 10< | 4< | 2.2 | 8.0 | 0.1 | 0.028 | 0.004 | 0.019 |
| STD DEV | | | | | | 124L | 46L | 8.2 | 2.0 | 0.4 | 0.078 | 0.030 | 0.228 |
| NO OF SAMPLES | | | | | | 12 | 12 | 26 | 24 | 12 | 26 | 14 | 14 |

| TEST-NAME: | | | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | ALKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | ALK TOTAL MG/L AS CACO3 |
| 80 01 14 1210 | | .3 | 1 | 0.550 | 0.016 | 0.554 | 0.682 | 0.438 | 1.120 | 29.00 | 231.000 | 355.0 | 102 |
| 80 02 27 1510 | | .3 | 1 | 0.380 | 0.008 | 0.277 | 0.353 | 0.312 | 0.665 | 12.00 | 231.000 | 355.0 | 100.0 |
| 80 03 13 1140 | | .3 | 1 | | | | | | | 13.00 | | 340.0 | 99.0 |
| 80 03 24 1115 | | .3 | 1 | 0.540 | 0.021 | 0.420 | 0.587 | 0.394 | 0.981 | 50.00 | 224.000 | 345.0 | 98.0 |
| 80 04 02 1300 | | .3 | 1 | | | | | | | 30.00 | | 325.0 | 99.0 |
| 80 04 10 1135 | | .3 | 1 | | | | | | | 162.00 | | 470.0 | 153.0 |
| 80 04 15 1410 | | .3 | 1 | | | | | | | 48.00 | | 320.0 | 97.0 |
| 80 04 24 1545 | | .3 | 1 | 0.375 | 0.011 | 0.334 | 0.439 | 0.281 | 0.720 | 50.00 | 192.000 | 295.0 | 94.0 |
| 80 04 30 1220 | | .3 | 1 | | | | | | | 41.00 | | 320 | 96.0 |
| 80 05 06 1510 | | .3 | 1 | | | | | | | 19.00 | | 300 | 93.0 |
| 80 05 13 1425 | | .3 | 1 | | | | | | | 24.00 | | 310 | 100.0 |
| 80 05 21 1040 | | .3 | 1 | 0.350 | 0.009 | 0.421 | 0.470 | 0.310 | 0.780 | 22.00 | 215.000 | 380 | 106.0 |
| 80 05 29 1005 | | .3 | 1 | | | | | | | 15.00 | | 310 | 99 |
| 80 06 09 1435 | | .3 | 1 | 0.340 | 0.009 | 0.281 | 0.309 | 0.321 | 0.630 | 27.00 | 208.000 | 320.0 | 99.0 |
| 80 06 25 1310 | | .3 | 1 | | | | | | | 27.00 | | 305 | 98.0 |
| 80 07 06 1715 | | .3 | 1 | 0.320 | 0.010 | 0.276 | 0.330 | 0.276 | 0.606 | | | 305.0 | |
| 80 07 07 0355 | | .3 | 1 | 0.310 | 0.009 | 0.271 | 0.336 | 0.254 | 0.590 | | | 305.0 | |
| 80 07 15 1425 | | .3 | 1 | 0.28 | 0.008 | 0.247 | 0.289 | 0.246 | 0.535 | 17 | | 300 | 93 |
| 80 07 28 1355 | | .3 | 1 | 0.550 | 0.008 | 0.259 | 1.167 | 0.350 | 0.817 | 35.00 | 192.000 | 295.0 | 94.0 |
| 80 08 11 1435 | | .3 | 1 | | | | | | | 16.00 | | 305.0 | 95.0 |
| 80 08 26 1435 | | .3 | 1 | 0.24 | 0.006 | 0.154 | 0.182 | 0.218 | 0.400 | 18 | 198 | 305 | 96 |
| 80 09 08 1340 | | .3 | 1 | | | | | | | 23.00 | | 310.0 | 97.0 |
| 80 09 23 1135 | | .3 | 1 | 0.32 | 0.007 | 0.168 | 0.207 | 0.288 | 0.495 | 17 | 205 | 315 | 97 |
| 80 10 29 1430 | | .3 | 1 | 0.38 | 0.049 | 0.206 | 0.313 | 0.322 | 0.635 | 38 | 211 | 325 | 98 |
| 80 11 26 1055 | | .3 | 1 | 0.380 | | | | | | 20.00 | 208.000 | | 100.0 |
| 80 12 17 1225 | | .3 | 1 | 0.350 | 0.003 | 0.252 | 0.289 | 0.316 | 0.605 | 29.00 | 215.000 | | 101.0 |
| MAXIMUM | | | | 0.550 | 0.049 | 0.554 | 1.167 | 0.438 | 1.120 | 162.00 | 231.000 | 470.0 | 153.0 |
| ARITH MEAN | | | | 0.37 | 0.012 | 0.294 | 0.426 | 0.309 | 0.684 | 32 | 210 | 326 | 100 |
| GEOM MEAN | | | | 0.36 | 0.010 | 0.278 | 0.376 | 0.304 | 0.662 | 26 | 210 | 323 | 99 |
| MINIMUM | | | | 0.24 | 0.003 | 0.154 | 0.182 | 0.218 | 0.400 | 12.00 | 192.000 | 295.0 | 93.0 |
| STD DEV | | | | 0.09 | 0.011 | 0.108 | 0.264 | 0.058 | 0.191 | 29 | 13 | 37 | 11 |
| NO OF SAMPLES | | | | 15 | 14 | 14 | 14 | 14 | 14 | 24 | 12 | 24 | 24 |

(CONTD)

B O W / SITE **WELLAND SHIP CANAL**
SAMPLE POINT **AT WEIR DOWNSTREAM FROM LAKESHORE ROAD**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ONTARIO**
TERM STREAM **WELLAND SHIP CANAL**

STATION ID: **06-0014-001-02**
STORET CODE: **02**
**004**
**5170**

LAT LONG U T M **17 0645025.0 4786890.0 4** REGION **02** DISTANCE: **3.219**

| TEST-NAME: | | | | | PH | FWPH | PHNOL | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 01 14 1210 | | | 3 | 1 | 7.89 | | | 0.003 | | 0.020< | 0.010< | 0.030< | 0.010 | 0.050 |
| 80 02 27 1510 | | | 3 | 1 | 8.20 | | | 0.004 | 0.020< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.040 |
| 80 03 13 1140 | | | 3 | 1 | | | | | 0.020< | 0.020< | | 0.030< | | 0.110 |
| 80 03 24 1115 | | | 3 | 1 | 7.99 | | | 0.001< | 0.002< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.030 |
| 80 04 02 1300 | | | 3 | 1 | | | | | 0.020< | 0.020 | | 0.030< | | 0.020 |
| 80 04 10 1135 | | | 3 | 1 | | | | | 0.020< | 0.020 | | 0.030< | | 0.010 |
| 80 04 15 1410 | | | 3 | 1 | | | | | 0.020< | 0.020< | | 0.030< | | 0.010< |
| 80 04 24 1545 | | | 3 | 1 | 8.13 | | | 0.001< | 0.020< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< |
| 80 04 30 1220 | | | 3 | 1 | | | | | 0.020< | 0.020< | | 0.030< | | 0.020 |
| 80 05 06 1510 | | | 3 | 1 | | | | | 0.030< | 0.020< | | 0.040 | | 0.010< |
| 80 05 13 1425 | | | 3 | 1 | | | | | 0.030< | 0.030< | | 0.040 | | 0.010< |
| 80 05 21 1040 | | | 3 | 1 | 8.31 | | | 0.001< | 0.070 | 0.020< | 0.020 | 0.030< | 0.005 < | 0.020 |
| 80 05 29 1005 | | | 3 | 1 | | | | | 0.040< | 0.020< | | 0.030< | | 0.010< |
| 80 06 09 1435 | | | 3 | 1 | 8.28 | | | 0.001< | 0.050< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< |
| 80 06 25 1310 | | | 3 | 1 | | | | | 0.040< | 0.020< | | 0.030< | | 0.010< |
| 80 07 06 1715 | | | 3 | 1 | 8.27 | | | | | | | | | |
| 80 07 07 0355 | | | 3 | 1 | 8.21 | | | | | | | | | |
| 80 07 15 1425 | | | 3 | 1 | | 7.9 | | 0.001< | 0.03 < | 0.02 < | 0.01 < | 0.030< | 0.005 < | 0.010< |
| 80 07 28 1355 | | | 3 | 1 | 8.19 | 8.0 | | 0.001 | | 0.020< | 0.010 | 0.050 | 0.005 < | 0.030 |
| 80 08 11 1435 | | | 3 | 1 | | 8.4 | | | 0.04 < | 0.002 | | 0.002 | | 0.004 |
| 80 08 26 1435 | | | 3 | 1 | 8.44 | 8.0 | | 0.001 | 0.02 | 0.002 | 0.003 | 0.008 | 0.0003 | 0.020 |
| 80 09 08 1340 | | | 3 | 1 | | 7.8 | | | | 0.003 | | 0.003< | | 0.006 |
| 80 09 23 1135 | | | 3 | 1 | 8.28 | | | 0.001< | 0.03 < | 0.002< | 0.003 | 0.003< | 0.0007 | 0.007 |
| 80 10 29 1430 | | | 3 | 1 | 8.21 | | 1 < | 0.001< | 0.03 < | 0.002< | 0.001< | 0.003< | 0.0002< | 0.006 |
| 80 11 26 1055 | | | 3 | 1 | 7.92 | 7.85 | 9.000 | 0.005< | 0.040< | 0.002< | 0.002 | 0.003< | 0.0002< | 0.007 |
| 80 12 17 1225 | | | 3 | 1 | 8.14 | 8.2 | 2.000 | 0.001< | 0.040 | 0.002< | 0.004 | 0.003< | 0.0002 | 0.018 |
| MAXIMUM | | | | | 8.44 | 8.4 | 9.000 | 0.006 | 0.070 | 0.030 | 0.020 | 0.060 | 0.010 | 0.110 |
| ARITH MEAN | | | | | 8.18 | 8.0 | 4 L | 0.002L | 0.03 L | 0.01 L | 0.00 L | 0.024L | 0.003 L | 0.020L |
| GEOM MEAN | | | | | 8.17 | 8.0 | 2 L | 0.001L | 0.02 L | 0.01 L | 0.00 L | 0.018L | 0.001 L | 0.014L |
| MINIMUM | | | | | 7.89 | 7.8 | 1 < | 0.001< | 0.002< | 0.002< | 0.001< | 0.002< | 0.0002< | 0.004< |
| STD DEV | | | | | 0.16 | 0.2 | 4 L | 0.001L | 0.01 L | 0.00 L | 0.00 L | 0.014L | 0.003 L | 0.022L |
| NO OF SAMPLES | | | | | 14 | 7 | 3 | 13 | 21 | 24 | 13 | 24 | 13 | 24 |

B O W / SITE **WELLAND SHIP CANAL**
SAMPLE POINT **FIRST BRIDGE DOWNSTREAM FROM LAKE ERIE**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ONTARIO**
TERM STREAM **WELLAND SHIP CANAL**

STATION ID: **06-0014-002-02**
STORET CODE: **02**
**004**
**5170**

LAT LONG U T M: **17 0642990.0 4749500.0 4** REGION **02** DISTANCE: **43.461**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 02 27 1225 | | | 3 | 1 | 28375 | 4 | 10< | 10 | 4< | 4< | 1.5 | 13.4 | 0.2 | 0.022 |
| 80 03 19 1125 | | | 3 | 1 | 28400 | 6 | 10< | 10 | 10< | 10< | 2.2 | 13.8 | 0.2 | 0.015 |
| 80 04 15 1135 | | | 3 | 1 | 28456 | 4 | 60I | 180 | 8 | 4< | 2.0 | 13.1 | 0.4 | 0.025 |
| 80 05 06 1220 | | | 3 | 1 | 28504 | 6 | 50I | 20 | 16 | 4< | 8.0 | 12.8 | 1.0 | 0.024 |
| 80 06 09 1120 | | | 3 | 1 | 28582 | 6 | 60I | 250 | 16 | 20 | 13.0 | 10.3 | 0.8 | 0.018 |
| 80 07 06 1455 | | | 3 | 1 | 80018 | 6 | | | | | 19.0 | 8.0 | | 0.016 |
| 80 07 07 0230 | | | 3 | 1 | 80019 | 6 | | | | | 19.0 | 8.5 | | 0.017 |
| 80 07 15 1115 | | | 3 | 1 | 28597 | 6 | 20C | 120 | 4 | 4< | 22.0 | 10.0 | 0.8 | 0.025 |
| 80 08 11 1150 | | | 3 | 1 | 28645 | 6 | 200I | 4300 | 4< | 4< | 23.5 | 9.8 | 0.4 | 0.012 |
| 80 09 08 1050 | | | 3 | 1 | 28695 | 6 | 20I | 1300 | 4< | 4< | 23.0 | 9.2 | 1.0 | 0.012 |
| 80 10 07 1105 | | | 3 | 1 | 28739 | 6 | 10< | 21000 | 4< | 4< | 13.2 | 9.1 | 0.4 | 0.028 |
| 80 11 17 1110 | | | 3 | 1 | 28788 | 6 | 20I | 490 | 4< | 4< | 8.0 | 11.4 | 0.4 | 0.025 |
| 80 12 17 1050 | | | 3 | 1 | 28827 | 6 | 210 | 900 | 4< | 8 | 1.5 | 11.8 | 0.6 | 0.012 |
| MAXIMUM | | | | | | | 210 | 21000 | 16 | 20 | 23.5 | 13.8 | 1.0 | 0.028 |
| ARITH MEAN | | | | | | | 61L | 2598 | 7L | 6L | 12.0 | 10.9 | 0.6 | 0.019 |
| GEOM MEAN | | | | | | | 34L | 270 | 6L | 5L | 7.9 | 10.7 | 0.5 | 0.018 |
| MINIMUM | | | | | | | 10< | 10 | 4< | 4< | 1.5 | 8.0 | 0.2 | 0.012 |
| STD DEV | | | | | | | 74L | 6230 | 5L | 5L | 8.7 | 2.0 | 0.3 | 0.006 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 13 | 13 | 11 | 13 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 02 27 1225 | | | 3 | 1 | 0.006 | 0.014 | 0.240 | 0.002 | 0.238 | 0.254 | 0.226 | 0.480 | 203.00 | 0.90 |
| 80 03 19 1125 | | | 3 | 1 | 0.005 | 0.018 | 0.260 | 0.004 | 0.276 | 0.298 | 0.242 | 0.540 | 203.00 | 1.00 |
| 80 04 15 1135 | | | 3 | 1 | 0.004 | 0.020 | 0.290 | 0.004 | 0.246 | 0.270 | 0.270 | 0.540 | 183.00 | 4.00 |
| 80 05 06 1220 | | | 3 | 1 | 0.003 | 0.018 | 0.290 | 0.004 | 0.371 | 0.393 | 0.272 | 0.665 | 201.00 | 6.00 |
| 80 06 09 1120 | | | 3 | 1 | 0.003 | 0.024 | 0.330 | 0.006 | 0.274 | 0.304 | 0.306 | 0.610 | 201.00 | 6.00 |
| 80 07 06 1455 | | | 3 | 1 | 0.004 | 0.030 | 0.250 | 0.005 | 0.237 | 0.272 | 0.220 | 0.492 | | |
| 80 07 07 0230 | | | 3 | 1 | 0.001 | 0.019 | 0.360 | 0.005 | 0.240 | 0.264 | 0.341 | 0.605 | | |
| 80 07 15 1115 | | | 3 | 1 | 0.007 | 0.012 | 0.310 | 0.008 | 0.227 | 0.247 | 0.298 | 0.545 | 192 | 3 |
| 80 08 11 1150 | | | 3 | 1 | 0.002 | 0.032 | 0.220 | 0.006 | 0.179 | 0.217 | 0.188 | 0.405 | 200.00 | 5.00 |
| 80 09 08 1050 | | | 3 | 1 | 0.002 | 0.018 | 0.280 | 0.007 | 0.083 | 0.108 | 0.262 | 0.370 | 198.00 | 3.00 |
| 80 10 07 1105 | | | 3 | 1 | 0.001< | 0.026 | 0.250 | 0.004 | 0.106 | 0.136 | 0.224 | 0.360 | 203.00 | 8.00 |
| 80 11 17 1110 | | | 3 | 1 | 0.013 | 0.040 | 0.380 | 0.001 | 0.214 | 0.255 | 0.340 | 0.595 | 211.00 | 6.00 |
| 80 12 17 1050 | | | 3 | 1 | 0.005 | 0.018 | 0.300 | 0.001 | 0.254 | 0.273 | 0.282 | 0.555 | 206.00 | 8.00 |

(CONTD)

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| MAXIMUM | | | | | 0.013 | 0.040 | 0.380 | 0.008 | 0.371 | 0.393 | 0.341 | 0.685 | 211.00 | 8.00 |
| ARITH MEAN | | | | | 0.004L | 0.022 | 0.289 | 0.004 | 0.227 | 0.253 | 0.267 | 0.520 | 200 | 4 |
| GEOM MEAN | | | | | 0.003L | 0.021 | 0.286 | 0.004 | 0.213 | 0.242 | 0.263 | 0.512 | 199 | 3 |
| MINIMUM | | | | | 0.001< | 0.012 | 0.220 | 0.001 | 0.083 | 0.108 | 0.188 | 0.380 | 183.00 | 0.90 |
| STD DEV | | | | | 0.003L | 0.008 | 0.047 | 0.002 | 0.073 | 0.072 | 0.047 | 0.096 | 7 | 2 |
| NO OF SAMPLES | | | | | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 11 | 11 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FWPH | PHNOL | FEUT | COLAP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | COLOUR APPARENT HZU |
| 80 02 27 1225 | | | .3 | 1 | 202.000 | 310.0 | 3.50 | 20.500 | 27.500 | 8.13 | | 1.000< | 0.170 | 22.000 |
| 80 03 19 1125 | | | .3 | 1 | 202.000 | 310.0 | 2.70 | 20.500 | 28.000 | 8.15 | | 1.000< | 0.170 | 4.000 |
| 80 04 15 1135 | | | .3 | 1 | 179.000 | 275.0 | 3.60 | 17.000 | 25.000 | 8.11 | | 1.000< | 0.270 | 7.600 |
| 80 05 06 1220 | | | .3 | 1 | 195.000 | 300.0 | 4.10 | 19.000 | 26.000 | 8.29 | | 1.000< | 0.220 | 12.000 |
| 80 06 09 1120 | | | .3 | 1 | 195.000 | 300.0 | 3.70 | 19.500 | 26.500 | 8.44 | | 2.000 | 0.230 | 0.100 |
| 80 07 06 1455 | | | .3 | 1 | | 295.0 | | | | 8.44 | | | | |
| 80 07 07 0230 | | | .3 | 1 | | 295.0 | | | | 8.22 | | | | |
| 80 07 15 1115 | | | .3 | 1 | 189 | 290.0 | 2.00 | 19.000 | 26.5 | 8.56 | 8.5 | 1 < | 0.080 | |
| 80 08 11 1150 | | | .3 | 1 | 195.000 | 300.0 | 2.00 | 19.500 | 27.500 | 8.53 | 8.65 | 1.000 | 0.170 | 2.000 |
| 80 09 08 1050 | | | .3 | 1 | 195.000 | 300.0 | 0.70 | 20.000 | 26.000 | 8.47 | 8.0 | 1.000< | 0.090 | 1.000< |
| 80 10 07 1105 | | | .3 | 1 | 195.000 | 300.0 | 3.50 | 20.000 | 26.000 | 8.18 | 7.8 | 1.000< | 0.210 | 7.000 |
| 80 11 17 1110 | | | .3 | 1 | 205.000 | 315.0 | 2.90 | 20.500 | 30.000 | 8.14 | 8.05 | 1.000< | 0.130 | 7.000 |
| 80 12 17 1050 | | | .3 | 1 | 198.000 | 305.0 | 8.30 | 19.500 | 28.000 | 8.20 | 8.25 | 1.000< | 0.370 | 2.000 |
| MAXIMUM | | | | | 205.000 | 315.0 | 8.30 | 20.500 | 30.000 | 8.56 | 8.65 | 2.000 | 0.370 | 22.000 |
| ARITH MEAN | | | | | 195 | 299.6 | 3.36 | 19.545 | 27.0 | 8.30 | 8.2 | 1 L | 0.192 | 6.470L |
| GEOM MEAN | | | | | 195 | 299.5 | 2.90 | 19.520 | 26.9 | 8.30 | 8.2 | 1 L | 0.176 | 3.309L |
| MINIMUM | | | | | 179.000 | 275.0 | 0.70 | 17.000 | 25.000 | 8.11 | 7.8 | 1.000< | 0.080 | 0.100< |
| STD DEV | | | | | 7 | 10.1 | 1.91 | 1.011 | 1.3 | 0.17 | 0.3 | 0 L | 0.083 | 6.684L |
| NO OF SAMPLES | | | | | 11 | 13 | 11 | 11 | 11 | 13 | 6 | 11 | 11 | 10 |

| TEST-NAME: | | | | | COD | MNUT |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHEM. OX DEMAND MG/L AS O | MANGANSE UNF.TOT. MG/L AS MN |
| 80 02 27 1225 | | | 3 | 1 | 20 | 0.029 |
| 80 03 19 1125 | | | 3 | 1 | 36 | 0.007 |
| 80 04 15 1135 | | | 3 | 1 | 48 | 0.008 |
| 80 05 06 1220 | | | 3 | 1 | 22 | 0.008 |
| 80 06 09 1120 | | | 3 | 1 | 10 | 0.010 |
| 80 07 15 1115 | | | 3 | 1 | 12 | |
| 80 08 11 1150 | | | 3 | 1 | 12 | 0.005 |
| 80 09 08 1050 | | | 3 | 1 | 22 | 0.006 |
| 80 10 07 1105 | | | 3 | 1 | 10< | 0.008 |
| 80 11 17 1110 | | | 3 | 1 | 14 | 0.008 |
| 80 12 17 1050 | | | 3 | 1 | 26 | 0.013 |
| MAXIMUM | | | | | 48 | 0.029 |
| ARITH MEAN | | | | | 21L | 0.010 |
| GEOM MEAN | | | | | 18L | 0.009 |
| MINIMUM | | | | | 10< | 0.005 |
| STD DEV | | | | | 12L | 0.007 |
| NO OF SAMPLES | | | | | 11 | 10 |

B.O.W./ SITE: **TWELVE MILE CREEK**
SAMPLE POINT: **AT LAKEPORT ROAD ST CATHARINES**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TWELVE MILE CREEK**

STATION ID: **06-0017-001-02**
STORET CODE: **02**
**004**
**5130**

LAT: LONG: U T M: **17 0640900.0 4784440.0 4** REGION: **02** DISTANCE: **1.287**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 07 1215 | | | .3 | 1 | 37700 | | | | | | | 0.051 | | |
| 80 01 14 1155 | | | .3 | 1 | 28303 | 6.0 | 880 | 210 | 2.0 | 14.0 | 0.8 | 0.058 | 0.014 | 0.046 |
| 1230 | | | .3 | 1 | 37701 | | | | | | | 0.073 | 0.011 | |
| 80 01 21 1530 | | | .3 | 1 | 37702 | | | | | | | 0.043 | 0.014 | |
| 80 01 28 1330 | | | .3 | 1 | 37703 | | | | | | | 0.056 | | |
| 80 02 04 1145 | | | .3 | 1 | 37704 | | | | | | | 0.032 | 0.001 | |
| 80 02 06 1230 | | | .3 | 1 | 28344 | 6 | | | 1.0 | 12.7 | | | | |
| 80 02 11 1130 | | | .3 | 1 | 37705 | | | | | | | 0.026 | | |
| 80 02 18 1130 | | | .3 | 1 | 37706 | | | | | | | 0.022 | | |
| 80 02 21 1245 | | | .3 | 1 | 37707 | | | | | | | 0.034 | 0.012 | |
| 80 02 25 1215 | | | .3 | 1 | 37708 | | | | | | | 0.034 | | |
| 80 02 26 1200 | | | .3 | 1 | 37709 | | | | | | | 0.035 | | |
| 80 02 27 1525 | | | .3 | 1 | 28386 | 6 | 460 | 210 | 1.5 | 14.0 | 1.0 | 0.034 | 0.010 | 0.024 |
| 80 02 28 1315 | | | .3 | 1 | 37710 | | | | | | | 0.041 | 0.011 | |
| 80 03 03 1115 | | | .3 | 1 | 37711 | | | | | | | 0.032 | | |
| 80 03 04 1215 | | | .3 | 1 | 37712 | | | | | | | 0.032 | | |
| 80 03 06 1215 | | | .3 | 1 | 37713 | | | | | | | 0.027 | 0.002 | |
| 80 03 10 1100 | | | .3 | 1 | 37714 | | | | | | | 0.024 | | |
| 1245 | | | .3 | 1 | 28391 | 6 | | | 3.0 | 14.5 | | 0.029 | | |
| 80 03 11 1245 | | | .3 | 1 | 37715 | | | | | | | 0.031 | 0.010 | |
| 80 03 13 1135 | | | .3 | 1 | 28395 | 6 | | | 1.2 | 15.8 | | 0.026 | | |
| 1145 | | | .3 | 1 | 37716 | | | | | | | 0.021 | 0.002 | |
| 80 03 17 1130 | | | .3 | 1 | 37717 | | | | | | | 0.028 | | |
| 80 03 19 1345 | | | .3 | 1 | 37718 | | | | | | | 0.035 | 0.005 | |
| 1440 | | | .3 | 1 | 28404 | 6 | | | 3.2 | 15.2 | | 0.025 | | |
| 80 03 20 1145 | | | .3 | 1 | 37719 | | | | | | | 0.043 | 0.003 | |
| 80 03 24 1130 | | | .3 | 1 | 28408 | 6.9 | 1300 | 400 | 2.9 | 14.1 | 0.8 | 0.030 | 0.009 | 0.023 |
| 80 03 27 1615 | | | .3 | 1 | 37722 | | | | | | | 0.035 | | |
| 80 03 30 1630 | | | .3 | 1 | 37723 | | | | | | | 0.048 | | |
| 80 04 01 1400 | | | .3 | 1 | 37724 | | | | | | | 0.047 | | |
| 80 04 02 1315 | | | .3 | 1 | 28446 | 6 | | | 3.9 | 14.1 | | 0.186 | | |

(CONTD)

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./SITE **TWELVE MILE CREEK**
SAMPLE POINT **AT LAKEPORT ROAD ST CATHARINES**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ONTARIO**
TERM STREAM **TWELVE MILE CREEK**

STATION ID **06-0017-001-02**

STORET CODE **02**
**004**
**5130**

LAT

LONG

UTM **17 0640900.0 4784440.0 4**

REGION **02**

DISTANCE **1.287**

| TEST-NAME | | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 04 03 1745 | | | 3 | 1 | 37725 | | | | | | | 0.058 | 0.009 | |
| 80 04 06 1615 | | | 3 | 1 | 37726 | | | | | | | 0.040 | | |
| 80 04 08 1745 | | | 3 | 1 | 37727 | | | | | | | 0.030 | | |
| 80 04 10 1155 | | | 3 | 1 | 28450 | 6 | | | 6.0 | 14.1 | | 0.343 | | |
| 1215 | | | 3 | 1 | 37728 | | | | | | | 0.243 | | |
| 80 04 13 1215 | | | 3 | 1 | 37729 | | | | | | | 0.037 | | |
| 80 04 15 1145 | | | 3 | 1 | 37730 | | | | | | | 0.070 | | |
| 1420 | | | 3 | 1 | 28461 | 3 | | | 3.2 | 13.4 | | 0.068 | | |
| 80 04 22 1245 | | | 3 | 1 | 37731 | | | | | | | 0.050 | 0.002 | |
| 80 04 24 1215 | | | 3 | 1 | 37732 | | | | | | | 0.042 | | |
| 80 04 25 0930 | | | 3 | 1 | 28473 | 6 | 700I | 200 | 5.5 | | 1.4 | 0.048 | 0.008 | 0.014 |
| 80 04 29 1530 | | | 3 | 1 | 37733 | | | | | | | 0.192 | 0.130 | |
| 80 05 01 1145 | | | 3 | 1 | 37734 | | | | | | | 0.028 | | |
| 80 05 06 1515 | | | 3 | 1 | 37735 | | | | | | | 0.035 | 0.002 | |
| 1535 | | | 3 | 1 | 28509 | 6.9 | | | 9.0 | 12.4 | | 0.037 | | |
| 80 05 08 1430 | | | 3 | 1 | 37736 | | | | | | | 0.067 | 0.001 | |
| 80 05 13 1500 | | | 3 | 1 | 37737 | | | | | | | 0.052 | 0.004 | |
| 80 05 15 1145 | | | 3 | 1 | 37738 | | | | | | | 0.058 | | |
| 80 05 20 1600 | | | 3 | 1 | 37739 | | | | | | | 0.037 | 0.002 | |
| 80 05 21 1010 | | | 3 | 1 | 28537 | 6.9 | 140I | 140I | 12.5 | 11.4 | 1.4 | 0.054 | 0.002 | 0.028 |
| 80 05 22 1415 | | | 3 | 1 | 37740 | | | | | | | 0.052 | 0.001 | |
| 80 05 27 1330 | | | 3 | 1 | 37741 | | | | | | | 0.059 | 0.002 | |
| 80 05 29 1145 | | | 3 | 1 | 37742 | | | | | | | 0.036 | | |
| 80 06 05 1045 | | | 3 | 1 | 37743 | | | | | | | 0.106 | 0.049 | |
| 80 06 09 1450 | | | 3 | 1 | 28559 | 6.0 | 370 | 330 | 13.0 | 10.2 | 0.6 | 0.052 | 0.010 | 0.390 |
| 80 06 12 1545 | | | 3 | 1 | 37744 | | | | | | | 0.047 | 0.005 | |
| 80 06 18 1200 | | | 3 | 1 | 37745 | | | | | | | 0.054 | 0.001 | |
| 80 06 23 1415 | | | 3 | 1 | 37746 | | | | | | | 0.044 | | |
| 80 07 02 1400 | | | 3 | 1 | 37747 | | | | | | | 0.040 | 0.011 | |
| 80 07 06 1745 | | | 3 | 1 | 80016 | 6 | | | 20.5 | 8.5 | | 0.046 | 0.001 | 0.006 |
| 80 07 07 0405 | | | 3 | 1 | 80017 | 6 | | | 19.0 | 8.4 | | 0.041 | 0.002 | 0.008 |
| 80 07 09 1445 | | | 3 | 1 | 37748 | | | | | | | | | |
| 80 07 24 1445 | | | 3 | 1 | 37750 | | | | | | | 0.055 | 0.014 | |
| 80 07 28 1340 | | | 3 | 1 | 28602 | 6 | 400I | 500I | 23.0 | 7.5 | 1.4 | 0.037 | 0.002 | 0.054 |
| 80 07 30 1045 | | | 3 | 1 | 37751 | | | | | | | 0.042 | | |
| 80 08 06 1400 | | | 3 | 1 | 37752 | | | | | | | 0.048 | | |
| 80 08 11 1315 | | | 3 | 1 | 37753 | | | | | | | 0.031 | 0.003 | |
| 80 08 20 1230 | | | 3 | 1 | 37754 | | | | | | | 0.037 | | |
| 80 08 25 1200 | | | 3 | 1 | 37755 | | | | | | | 0.025 | | |
| 80 08 26 1420 | | | 3 | 1 | 28640 | 6 | 800I | 100I | 24.5 | 9.2 | 1.6 | 0.035 | 0.001 | 0.006 |
| 80 09 02 1445 | | | 3 | 1 | 37756 | | | | | | | 0.132 | 0.015 | |
| 80 09 08 1500 | | | 3 | 1 | 37757 | | | | | | | 0.023 | | |
| 80 09 17 1245 | | | 3 | 1 | 37758 | | | | | | | 0.042 | | |
| 80 09 23 1150 | | | 3 | 1 | 28681 | 6 | 300I | 190 | 20.0 | 9.1 | | 0.040 | 0.001 | 0.108 |
| 80 09 25 1430 | | | 3 | 1 | 37759 | | | | | | | 0.062 | 0.002 | |
| 80 10 02 1530 | | | 3 | 1 | 37760 | | | | | | | 0.092 | | |
| 80 10 07 1400 | | | 3 | 1 | 28727 | 6 | | | 15.8 | 8.8 | | | | |
| 80 10 08 1115 | | | 3 | 1 | 37761 | | | | | | | 0.028 | | |
| 80 10 23 1400 | | | 3 | 1 | 37763 | | | | | | | 0.025 | | |
| 80 10 29 1440 | | | 3 | 1 | 28769 | 6 | 850 | 70I | 6.5 | 11.6 | 1.8 | 0.064 | 0.005 | 0.030 |
| 80 10 30 1345 | | | 3 | 1 | 37764 | | | | | | | 0.032 | | |
| 80 11 06 1430 | | | 3 | 1 | 37765 | | | | | | | 0.050 | 0.001 | |
| 80 11 13 1145 | | | 3 | 1 | 37766 | | | | | | | 0.042 | | |
| 80 11 17 1400 | | | 3 | 1 | 28772 | 6 | | | 8.0 | 11.1 | | 0.083 | | |
| 80 11 20 1215 | | | 3 | 1 | 37767 | | | | | | | 0.038 | | |
| 80 11 26 1135 | | | 3 | 1 | 28775 | 6 | 100I | 20I | 8.0 | 11.2 | 0.2< | 0.040 | | |
| 80 11 27 1145 | | | 3 | 1 | 37768 | | | | | | | 0.025 | 0.002 | |
| 80 12 02 1045 | | | 3 | 1 | 28818 | 6 | | | 6.8 | 11.6 | | 0.052 | | 0.006 |
| 80 12 03 1730 | | | 3 | 1 | 37769 | | | | | | | 0.050 | | |
| 80 12 11 1500 | | | 3 | 1 | 37770 | | | | | | | | | |
| 80 12 17 1255 | | | 3 | 1 | 28822 | 6 | 250C | 100< | 1.8 | 12.6 | 2.2 | 0.048 | 0.006 | 0.006 |
| 80 12 18 1130 | | | 3 | 1 | 37771 | | | | | | | 0.065 | 0.010 | |
| 80 12 22 1400 | | | 3 | 1 | 37772 | | | | | | | 0.052 | | |
| 80 12 29 1530 | | | 3 | 1 | 37773 | | | | | | | 0.123 | | |
| MAXIMUM | | | | | | | 1300 | 500 | 24.6 | 16.8 | 2.2 | 0.343 | 0.130 | 0.390 |
| ARITH MEAN | | | | | | | 548 | 208L | 8.9 | 11.9 | 1.2L | 0.064 | 0.009 | 0.063 |
| GEOM MEAN | | | | | | | 429 | 157L | 5.9 | 11.6 | 1.0L | 0.046 | 0.004 | 0.022 |
| MINIMUM | | | | | | | 100 | 20< | 1.0 | 7.5 | 0.2< | 0.021 | 0.001 | 0.006 |
| STD DEV | | | | | | | 381 | 141L | 7.5 | 2.4 | 0.6L | 0.047 | 0.020 | 0.101 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 25 | 24 | 11 | 81 | 43 | 14 |

| TEST-NAME: | | | | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | ALKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT 25C UMHO/CM AT 25 C | ALK TOTAL MG/L AS CACO3 |
| 80 01 07 1215 | | | 3 | 1 | | | | | | | 10.0 | | 320.0 | |
| 80 01 14 1155 | | | 3 | 1 | 0.330 | 0.008 | 0.572 | 0.626 | 0.284 | 0.910 | 38.00 | 221.000 | 340.0 | 106 |
| 1230 | | | 3 | 1 | | | 0.560 | | | | 34.0 | | 340.0 | |
| 80 01 21 1530 | | | 3 | 1 | | | 0.360 | | | | 17.0 | | 320.0 | |
| 80 01 28 1330 | | | 3 | 1 | | | | | | | 20.0 | | 335.0 | |
| 80 02 04 1145 | | | 3 | 1 | | | 0.218 | | | | 10.0 | | 320.0 | |
| 80 02 11 1130 | | | 3 | 1 | | | | | | | 6.0 | | 320.0 | |
| 80 02 18 1130 | | | 3 | 1 | | | | | | | 12.0 | | 320.0 | |
| 80 02 21 1245 | | | 3 | 1 | | | 0.311 | | | | 7.0 | | 330.0 | |
| 80 02 25 1215 | | | 3 | 1 | | | | | | | 9.0 | | 325.0 | |
| 80 02 26 1200 | | | 3 | 1 | | | | | | | 22.0 | | 324.0 | |
| 80 02 27 1525 | | | 3 | 1 | 0.330 | 0.003 | 2.350 | 2.377 | 0.306 | 2.683 | 8.00 | 217.000 | 334.0 | 99.0 |
| 80 02 28 1315 | | | 3 | 1 | | | 0.191 | | | | 8.0 | | 316.0 | |
| 80 03 03 1115 | | | 3 | 1 | | | | | | | 7.0 | | 320.0 | |
| 80 03 04 1215 | | | 3 | 1 | | | | | | | 11.0 | | 320.0 | |
| 80 03 06 1215 | | | 3 | 1 | | | 0.227 | | | | 20.0 | | 329.0 | |
| 80 03 10 1100 | | | 3 | 1 | | | | | | | 18.0 | | 330.0 | |
| 1245 | | | 3 | 1 | | | | | | | 6.00 | | 334.0 | 97.0 |
| 80 03 11 1245 | | | 3 | 1 | | | 0.311 | | | | 12.0 | | 320.0 | |
| 80 03 13 1135 | | | 3 | 1 | | | | | | | 7.00 | | 320.0 | 100.0 |
| 1145 | | | 3 | 1 | | | 0.241 | | | | 57.0 | | 325.0 | |
| 80 03 17 1130 | | | 3 | 1 | | | | | | | 75.0 | | 325.0 | |

(CONTD)

| | TEST-NAME: | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | ALKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 03 19 1345 | .3 | 1 | | | 0.300 | | | | 13.0 | | 320.0 | |
| 1440 | .3 | 1 | | | | | | | 9.00 | | 320.0 | 98.0 |
| 80 03 20 1145 | .3 | 1 | | | 0.245 | | | | 15.0 | | 325.0 | |
| 80 03 24 1130 | .3 | 1 | 0.390 | 0.005 | 0.295 | 0.323 | 0.367 | 0.690 | 8.00 | 211.000 | 325.0 | 99.0 |
| 80 03 27 1615 | .3 | 1 | | | | | | | 17.0 | | 320.0 | |
| 80 03 30 1630 | .3 | 1 | | | | | | | 20.0 | | 415.0 | |
| 80 04 01 1400 | .3 | 1 | | | | | | | 26.0 | | 47.0 | |
| 80 04 02 1315 | .3 | 1 | | | | | | | 18.00 | | 330.0 | 97.0 |
| 80 04 03 1745 | .3 | 1 | | | 0.230 | | | | 24.0 | | 315.0 | |
| 80 04 06 1615 | .3 | 1 | | | | | | | 19.0 | | 315.0 | |
| 80 04 08 1745 | .3 | 1 | | | | | | | 19.0 | | 315.0 | |
| 80 04 10 1155 | .3 | 1 | | | | | | | 62.00 | | 375.0 | 95.0 |
| 1215 | .3 | 1 | | | | | | | 25.0 | | 325.0 | |
| 80 04 13 1215 | .3 | 1 | | | | | | | 16.0 | | 315.0 | |
| 80 04 15 1145 | .3 | 1 | | | | | | | 38.0 | | 300.0 | |
| 1420 | .3 | 1 | | | | | | | 32.00 | | 300.0 | 93.0 |
| 80 04 22 1245 | .3 | 1 | | | 0.352 | | | | 15.0 | | 305.0 | |
| 80 04 24 1215 | .3 | 1 | | | | | | | 12.0 | | 300.0 | |
| 80 04 25 0930 | .3 | 1 | 0.325 | 0.005 | 0.330 | 0.349 | 0.311 | 0.660 | 14.00 | 195.000 | 300.0 | 94.0 |
| 80 04 29 1530 | .3 | 1 | | | 2.900 | | | | 12.0 | | 375.0 | |
| 80 05 01 1145 | .3 | 1 | | | | | | | 13.0 | | 295.0 | |
| 80 05 06 1515 | .3 | 1 | | | 0.261 | | | | 15.0 | | 320.0 | |
| 1535 | .3 | 1 | | | | | | | 13.00 | | 315 | 96.0 |
| 80 05 08 1430 | .3 | 1 | | | 0.302 | | | | 19.0 | | 315 | |
| 80 05 13 1500 | .3 | 1 | | | 0.423 | | | | 25.0 | | 335.0 | |
| 80 05 15 1145 | .3 | 1 | | | | | | | 1.0 | | 335.0 | |
| 80 05 20 1600 | .3 | 1 | | | 0.362 | | | | 21.0 | | 330.0 | |
| 80 05 21 1010 | .3 | 1 | 0.470 | 0.008 | 0.331 | 0.368 | 0.442 | 0.810 | 19.00 | 211.000 | 325 | 104.0 |
| 80 05 22 1415 | .3 | 1 | | | 0.332 | | | | 24.0 | | 330.0 | |
| 80 05 27 1330 | .3 | 1 | | | 0.353 | | | | 30.0 | | 305.0 | |
| 80 05 29 1145 | .3 | 1 | | | | | | | 25.0 | | 310.0 | |
| 80 06 05 1045 | .3 | 1 | | | 1.780 | | | | 8.0 | | 335.0 | |
| 80 06 09 1450 | .3 | 1 | 0.410 | 0.011 | 0.294 | 0.695 | 0.020 | 0.715 | 27.00 | 198.000 | 305.0 | 96.0 |
| 80 06 12 1545 | .3 | 1 | | | 0.265 | | | | 28.0 | | 310.0 | |
| 80 06 18 1200 | .3 | 1 | | | 0.263 | | | | 32.0 | | 305.0 | |
| 80 06 23 1415 | .3 | 1 | | | | | | | 17.0 | | 305.0 | |
| 80 07 02 1400 | .3 | 1 | | | 2.630 | | | | 9.0 | | 310.0 | |
| 80 07 06 1745 | .3 | 1 | 0.370 | 0.007 | 0.211 | 0.224 | 0.364 | 0.588 | | | 305.0 | |
| 80 07 07 0405 | .3 | 1 | 0.480 | 0.006 | 0.204 | 0.218 | 0.472 | 0.690 | | | 305.0 | |
| 80 07 09 1445 | .3 | 1 | | | | | | | 25.0 | | | |
| 80 07 24 1445 | .3 | 1 | | | 0.818 | | | | 22.0 | | 300.0 | |
| 80 07 28 1340 | .3 | 1 | 0.340 | 0.008 | 0.220 | 0.282 | 0.286 | 0.568 | 17.00 | 189.000 | 290.0 | 94.0 |
| 80 07 30 1045 | .3 | 1 | | | | | | | 28.0 | | 305.0 | |
| 80 08 06 1400 | .3 | 1 | | | | | | | 19.0 | | 310.0 | |
| 80 08 11 1315 | .3 | 1 | | | 0.179 | | | | 26.0 | | 300.0 | |
| 80 08 20 1230 | .3 | 1 | | | | | | | 7.0 | | 310.0 | |
| 80 08 25 1200 | .3 | 1 | | | | | | | 16.0 | | 310.0 | |
| 80 08 26 1420 | .3 | 1 | 0.33 | 0.008 | 0.082 | 0.096 | 0.324 | 0.420 | 27 | 205 | 315 | 100 |
| 80 09 02 1445 | .3 | 1 | | | 0.157 | | | | 4.0 | | 305.0 | |
| 80 09 08 1500 | .3 | 1 | | | | | | | 13.0 | | 305.0 | |
| 80 09 17 1245 | .3 | 1 | | | | | | | 39.0 | | 310.0 | |
| 80 09 23 1150 | .3 | 1 | 0.28 | 0.006 | 0.129 | 0.243 | 0.172 | 0.415 | 35 | 202 | 310 | 97 |
| 80 09 25 1430 | .3 | 1 | | | 0.136 | | | | 33.0 | | 305.0 | |
| 80 10 02 1530 | .3 | 1 | | | | | | | 34.0 | | 305.0 | |
| 80 10 07 1400 | .3 | 1 | | | | | | | 29.00 | | 300.0 | |
| 80 10 08 1115 | .3 | 1 | | | | | | | 29.0 | | 310.0 | |
| 80 10 23 1400 | .3 | 1 | | | | | | | 28.0 | | 315.0 | |
| 80 10 29 1440 | .3 | 1 | 0.38 | 0.005 | 0.160 | 0.195 | 0.350 | 0.545 | 35 | 205 | 315 | 99 |
| 80 10 30 1345 | .3 | 1 | | | | | | | 25.0 | | 310.0 | |
| 80 11 06 1430 | .3 | 1 | | | 0.187 | | | | 34.0 | | 315.0 | |
| 80 11 13 1145 | .3 | 1 | | | | | | | 30.0 | | 315.0 | |
| 80 11 17 1400 | .3 | 1 | | | | | | | 26.00 | | 325.0 | 101.0 |
| 80 11 20 1215 | .3 | 1 | | | | | | | 16.0 | | 315.0 | |
| 80 11 26 1135 | .3 | 1 | 0.350 | | | | | | 28.00 | 202.000 | | 103.0 |
| 80 11 27 1145 | .3 | 1 | | | 0.160 | | | | 17.0 | | 320.0 | |
| 80 12 02 1045 | .3 | 1 | | | | | | | 28.00 | | 315.0 | 102.0 |
| 80 12 03 1730 | .3 | 1 | | | | | | | 29.0 | | 325.0 | |
| 80 12 11 1500 | .3 | 1 | | | | | | | 26.0 | | | |
| 80 12 17 1255 | .3 | 1 | 0.380 | 0.003 | 0.392 | 0.401 | 0.374 | 0.775 | 35.00 | 218.000 | | 107.0 |
| 80 12 18 1130 | .3 | 1 | | | 0.280 | | | | 240.0 | | 320.0 | |
| 80 12 22 1400 | .3 | 1 | | | | | | | 28.0 | | 325.0 | |
| 80 12 29 1530 | .3 | 1 | | | | | | | 28.0 | | 330.0 | |
| MAXIMUM | | | 0.480 | 0.011 | 2.900 | 2.377 | 0.472 | 2.883 | 240.0 | 221.000 | 415.0 | 107.0 |
| ARITH MEAN | | | 0.36 | 0.006 | 0.466 | 0.482 | 0.313 | 0.806 | 24 | 206 | 318 | 98 |
| GEOM MEAN | | | 0.36 | 0.006 | 0.322 | 0.348 | 0.265 | 0.706 | 18 | 206 | 311 | 98 |
| MINIMUM | | | 0.28 | 0.003 | 0.082 | 0.096 | 0.020 | 0.416 | 1.0 | 189.000 | 47.0 | 93.0 |
| STD DEV | | | 0.06 | 0.002 | 0.661 | 0.690 | 0.115 | 0.682 | 25 | 9 | 33 | 3 |
| NO OF SAMPLES | | | 14 | 13 | 43 | 13 | 13 | 13 | 92 | 12 | 90 | 21 |

| | | | TEST-NAME: | | PH | FWPH | PHNOL | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 01 07 1215 | | | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.010 | |
| 80 01 14 1155 | | | .3 | 1 | 7.95 | | 11.000 | 0.004 | 0.020 | 0.020< | 0.010 | 0.030< | 0.010 | 0.010< |
| 1230 | | | .3 | 1 | | | | | 0.020< | | 0.010< | 0.030< | 0.010 | |
| 80 01 21 1530 | | | .3 | 1 | | | | | 0.020< | | 0.010< | 0.030< | 0.005 < | |
| 80 01 28 1330 | | | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.005 < | |
| 80 02 04 1145 | | | .3 | 1 | | | | | 0.020< | | 0.010< | 0.030< | 0.005 < | |
| 80 02 06 1230 | | | .3 | 1 | | | | | 0.020 | 0.020< | | 0.030< | | 0.020 |
| 80 02 11 1130 | | | .3 | 1 | | | | | 0.020< | | | 0.040 | 0.005 < | |
| 80 02 18 1130 | | | .3 | 1 | | | | | 0.020 | | | 0.060< | 0.005 < | |
| 80 02 21 1245 | | | .3 | 1 | | | | | 0.020< | | 0.010< | 0.030< | 0.005 < | |
| 80 02 25 1215 | | | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.005 < | |
| 80 02 26 1200 | | | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.005 < | |
| 80 02 27 1525 | | | .3 | 1 | 8.13 | | 5.000 | 0.002 | 0.020< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< |
| 80 02 28 1315 | | | .3 | 1 | | | | | 0.020< | | 0.010< | 0.030< | 0.005 < | |
| 80 03 03 1115 | | | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.005 < | |
| 80 03 04 1215 | | | .3 | 1 | | | | | 0.020 | | | 0.030< | 0.005 < | |
| 80 03 06 1215 | | | .3 | 1 | | | | | 0.020< | | 0.010< | 0.030< | 0.010 | |
| 80 03 10 1100 | | | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.010 | |
| 1245 | | | .3 | 1 | | | | | 0.030 | 0.020< | | 0.030< | | 0.020 |
| 80 03 11 1245 | | | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.005 < | |
| 80 03 13 1135 | | | .3 | 1 | | | | | 0.020< | 0.030 | | 0.030< | | 0.070 |
| 1145 | | | .3 | 1 | | | | | 0.020< | | 0.010< | 0.030< | 0.005 < | |
| 80 03 17 1130 | | | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.005 < | |
| 80 03 19 1345 | | | .3 | 1 | | | | 0.001< | 0.020< | 0.020< | 0.020 | 0.030< | 0.005 < | 0.010< |
| 1440 | | | .3 | 1 | | | | | 0.020< | 0.020< | | 0.030< | | 0.010< |
| 80 03 20 1145 | | | .3 | 1 | | | | | 0.020< | | 0.010< | 0.030< | 0.005 < | |
| 80 03 24 1130 | | | .3 | 1 | 7.97 | | 10.000 | 0.001< | 0.02 < | 0.02 < | 0.01 < | 0.03 < | 0.005 < | 0.01 < |
| 80 03 30 1630 | | | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.005 < | |
| 80 04 01 1400 | | | .3 | 1 | | | | | 0.060 | | | 0.030< | 0.005 < | |
| 80 04 02 1315 | | | .3 | 1 | | | | | 0.020< | 0.020< | | 0.030< | | 0.010 |

(CONTD)

B.O.W./ SITE: **TWELVE MILE CREEK**
SAMPLE POINT: **AT LAKEPORT ROAD ST CATHARINES**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TWELVE MILE CREEK**

STATION ID: **06-0017-001-02**
STORET CODE: **02**
**004**
**5130**

LAT LONG U.T.M. **17 0640900.0 4784440.0 4** REGION **02** DISTANCE **1.387**

| SAMP DTE YR MO DY | HOUR LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TEST-NAME: PH<br>PH | FWPH<br>PH FIELD | PHNOL<br>PHENOLS UNF-REAC UG/L PHENOL | ASUT<br>ARSENIC UNF.TOT. MG/L AS AS | HGUT<br>MERCURY UNF.TOT. UG/L AS HG | CRUT<br>CHROMIUM UNF.TOT. MG/L AS CR | CUUT<br>COPPER UNF.TOT. MG/L AS CU | PBUT<br>LEAD UNF.TOT MG/L AS PB | CDUT<br>CADMIUM UNF.TOT MG/L AS CD | ZNUT<br>ZINC UNF TOT MG/L AS ZN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 04 03 | 1745 | | | .3 | 1 | | | | | 0.020< | | 0.010< | 0.030< | 0.005 < | |
| 80 04 06 | 1615 | | | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.005 < | |
| 80 04 08 | 1745 | | | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.005 < | |
| 80 04 10 | 1155 | | | .3 | 1 | | | | | 0.020< | 0.020< | | 0.030< | | 0.020 |
| | 1420 | | | .3 | 1 | | | | | 0.020< | 0.020< | | 0.030< | | 0.010< |
| 80 04 22 | 1245 | | | .3 | 1 | | | | | 0.020< | | 0.020 | 0.030< | 0.005 < | |
| 80 04 24 | 1215 | | | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.005 < | |
| 80 04 25 | 0930 | | | .3 | 1 | 8.16 | | 21.000 | 0.001< | 0.020< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< |
| 80 05 01 | 1145 | | | .3 | 1 | | | | | 0.030< | | | 0.030< | 0.005 < | |
| 80 05 06 | 1515 | | | .3 | 1 | | | | | 0.020< | | 0.010< | 0.030< | 0.005 < | |
| | 1535 | | | .3 | 1 | | | | | 0.030< | 0.020< | | 0.030< | | 0.010< |
| 80 05 08 | 1430 | | | .3 | 1 | | | | | 0.020< | | 0.010< | 0.030< | 0.005 < | |
| 80 05 13 | 1500 | | | .3 | 1 | | | | | 0.030< | | 0.010< | 0.030< | 0.005 < | |
| 80 05 15 | 1145 | | | .3 | 1 | | | | | 0.040 | | | 0.030< | 0.005 < | |
| 80 05 20 | 1600 | | | .3 | 1 | | | | | 0.040 | | 0.010< | 0.030< | 0.005 < | |
| 80 05 21 | 1010 | | | .3 | 1 | 8.12 | | 15 | 0.001< | 0.070 | 0.020< | 0.030 | 0.030< | 0.005 < | 0.020 |
| 80 05 22 | 1415 | | | .3 | 1 | | | | | 0.030< | | | 0.030< | 0.005 < | |
| 80 05 27 | 1330 | | | .3 | 1 | | | | | 0.020< | | 0.010< | 0.030< | 0.005 < | |
| 80 05 29 | 1145 | | | .3 | 1 | | | | | 0.040< | | | 0.030< | 0.005 < | |
| 80 06 05 | 1045 | | | .3 | 1 | | | | | 0.070 | | 0.020 | 0.030< | 0.005 < | |
| 80 06 09 | 1450 | | | .3 | 1 | 8.21 | | 14.000 | 0.001< | 0.050< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.050 |
| 80 06 12 | 1545 | | | .3 | 1 | | | | | 0.030< | | 0.010< | 0.030< | 0.005 < | |
| 80 06 18 | 1200 | | | .3 | 1 | | | | | 0.020 | | 0.010< | 0.030< | 0.005 < | |
| 80 06 23 | 1415 | | | .3 | 1 | | | | | 0.030< | | | 0.030< | 0.005 < | |
| 80 07 02 | 1400 | | | .3 | 1 | | | | | 0.030< | | 0.020 | 0.020< | 0.005 < | |
| 80 07 06 | 1745 | | | .3 | 1 | 8.27 | | | | | | | | | |
| 80 07 07 | 0405 | | | .3 | 1 | 8.15 | | | | | | | | | |
| 80 07 09 | 1445 | | | .3 | 1 | | | | | 0.030< | | | 0.030< | 0.005 < | |
| 80 07 24 | 1445 | | | .3 | 1 | | | | | | | 0.010< | 0.030< | 0.005 < | |
| 80 07 28 | 1340 | | | .3 | 1 | 8.25 | 7.9 | 18.000 | 0.001< | | 0.020< | 0.010 | 0.030< | 0.005 < | 0.010 |
| 80 08 06 | 1400 | | | .3 | 1 | | | | | 0.050 | | | 0.006< | 0.0005< | |
| 80 08 11 | 1315 | | | .3 | 1 | | | | | 0.040< | | 0.001 | 0.001 | 0.0001< | |
| 80 08 20 | 1230 | | | .3 | 1 | | | | | 0.040< | | | 0.003< | 0.0002< | |
| 80 08 25 | 1200 | | | .3 | 1 | | | | | 0.020< | | | 0.001 | 0.0002< | |
| 80 08 26 | 1420 | | | .3 | 1 | 8.22 | 7.8 | 9 | 0.001< | 0.07 | 0.001< | 0.009 | 0.005< | 0.0002< | 0.004 |
| 80 09 02 | 1445 | | | .3 | 1 | | | | | 0.040< | | 0.009 | 0.009 | 0.0002< | |
| 80 09 08 | 1500 | | | .3 | 1 | | | | | 0.040< | | | 0.003< | 0.0002< | |
| 80 09 17 | 1245 | | | .3 | 1 | | | | | 0.030< | | | 0.003< | 0.0002< | |
| 80 09 23 | 1150 | | | .3 | 1 | 8.14 | | 6 | 0.001< | 0.03 < | 0.003 | 0.007 | 0.003< | 0.0006 | 0.008 |
| 80 09 25 | 1430 | | | .3 | 1 | | | | | 0.030< | | 0.002 | 0.003< | 0.0002< | |
| 80 10 02 | 1530 | | | .3 | 1 | | | | | 0.030< | | | 0.005 | 0.0003 | |
| 80 10 07 | 1400 | | | .3 | 1 | | 7.6 | | | 0.02 < | 0.006 | | 0.003< | | 0.006 |
| 80 10 08 | 1115 | | | .3 | 1 | | | | | 0.040< | | | 0.003< | 0.0002< | |
| 80 10 23 | 1400 | | | .3 | 1 | | | | | 0.020< | | | 0.003< | 0.0002< | |
| 80 10 29 | 1440 | | | .3 | 1 | 8.01 | | 14 | 0.001< | 0.03 < | 0.003 | 0.003 | 0.003< | 0.0002< | 0.011 |
| 80 10 30 | 1345 | | | .3 | 1 | | | | | 0.040< | | | 0.003< | 0.0002< | |
| 80 11 06 | 1430 | | | .3 | 1 | | | | | 0.030< | | 0.003 | 0.003< | 0.0002< | |
| 80 11 13 | 1145 | | | .3 | 1 | | | | | 0.030< | | | 0.003< | 0.0002< | |
| 80 11 17 | 1400 | | | .3 | 1 | | | | | 0.030 | 0.002< | | 0.003< | | 0.001 |
| 80 11 20 | 1215 | | | .3 | 1 | | | | | 0.040< | | | 0.004 | 0.0002< | |
| 80 11 26 | 1135 | | | .3 | 1 | 8.10 | 7.9 | 2.000 | 0.005< | 0.040< | 0.002< | 0.004 | 0.003< | 0.0002< | 0.008 |
| 80 11 27 | 1145 | | | .3 | 1 | | | | | 0.060< | | 0.002 | 0.005 | 0.0002< | |
| 80 12 02 | 1045 | | | .3 | 1 | 7.76 | 7.8 | | | 0.040< | 0.002< | | 0.003< | | 0.009 |
| 80 12 03 | 1730 | | | .3 | 1 | | | | | 0.040< | | | 0.003< | 0.0002< | |
| 80 12 11 | 1500 | | | .3 | 1 | | | | | 0.040< | | | 0.003< | 0.0002< | |
| 80 12 17 | 1255 | | | .3 | 1 | 7.91 | 8.0 | 32.000 | 0.001< | 0.040< | 0.002 | 0.004 | 0.003< | 0.0002 | 0.015 |
| 80 12 18 | 1130 | | | .3 | 1 | | | | | 0.040< | | 0.006 | 0.008 | 0.0003 | |
| 80 12 22 | 1400 | | | .3 | 1 | | | | | 0.040< | | | 0.003< | 0.0003 | |
| MAXIMUM | | | | | | 8.27 | 8.0 | 32.000 | 0.005 | 0.07 | 0.030 | 0.030 | 0.080 | 0.010 | 0.070 |
| ARITH MEAN | | | | | | 8.09 | 7.8 | 13 | 0.002L | 0.03 L | 0.01 L | 0.01 L | 0.02 L | 0.003 L | 0.01 L |
| GEOM MEAN | | | | | | 8.09 | 7.8 | 10 | 0.001L | 0.02 L | 0.01 L | 0.00 L | 0.01 L | 0.001 L | 0.01 L |
| MINIMUM | | | | | | 7.76 | 7.6 | 2.000 | 0.001< | 0.020< | 0.001< | 0.001< | 0.001< | 0.0001< | 0.001< |
| STD DEV | | | | | | 0.14 | 0.1 | 8 | 0.001L | 0.01 L | 0.00 L | 0.00 L | 0.01 L | 0.002 L | 0.01 L |
| NO OF SAMPLES | | | | | | 16 | 6 | 12 | 13 | 84 | 24 | 39 | 86 | 78 | 24 |

| SAMP DTE YR MO DY | HOUR LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TEST-NAME: P1PCBT<br>PCB TOTAL UG/L | X3PCPH<br>PENTACHL PHENOL UG/L | P3245T<br>2,4,5-T UG/L |
|---|---|---|---|---|---|---|---|---|
| | 1230 | | | .3 | 1 | 0.020 | 0.080 | 0.050R |
| 80 01 28 | 1330 | | | .3 | 1 | 0.020R | | |
| 80 02 04 | 1145 | | | .3 | 1 | 0.020R | | |
| 80 02 11 | 1130 | | | .3 | 1 | 0.020R | | |
| 80 02 18 | 1130 | | | .3 | 1 | 0.020R | | |
| 80 02 21 | 1245 | | | .3 | 1 | 0.020R | 0.090 | 0.050R |
| 80 02 25 | 1215 | | | .3 | 1 | 0.020R | | |
| 80 02 26 | 1200 | | | .3 | 1 | 0.020R | | |
| 80 02 28 | 1315 | | | .3 | 1 | 0.020R | | |
| 80 03 03 | 1115 | | | .3 | 1 | 0.020R | | |
| 80 03 04 | 1215 | | | .3 | 1 | 0.020R | | |
| 80 03 06 | 1215 | | | .3 | 1 | 0.020R | 0.020R | 0.050R |
| 80 03 10 | 1100 | | | .3 | 1 | 0.020R | | |
| 80 03 11 | 1245 | | | .3 | 1 | 0.020R | | |
| | 1145 | | | .3 | 1 | 0.020R | | |
| 80 03 17 | 1130 | | | .3 | 1 | 0.020R | | |
| 80 03 19 | 1345 | | | .3 | 1 | 0.050 | | |
| 80 03 20 | 1145 | | | .3 | 1 | 0.020R | | |
| 80 03 27 | 1615 | | | .3 | 1 | 0.020R | | |
| 80 03 30 | 1630 | | | .3 | 1 | 0.030 | | |
| 80 04 01 | 1400 | | | .3 | 1 | 0.070 | | |
| 80 04 03 | 1745 | | | .3 | 1 | 0.020R | | |
| 80 04 06 | 1615 | | | .3 | 1 | 0.020R | | |
| 80 04 08 | 1745 | | | .3 | 1 | 0.020R | | |
| | 1215 | | | .3 | 1 | 0.020R | | |
| 80 04 13 | 1215 | | | .3 | 1 | 0.020R | | |
| 80 04 15 | 1145 | | | .3 | 1 | 0.020R | | |
| 80 04 22 | 1245 | | | .3 | 1 | 0.020R | | |
| 80 04 24 | 1215 | | | .3 | 1 | 0.020R | | |
| 80 04 29 | 1530 | | | .3 | 1 | 0.020R | | |

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| TEST-NAME: | | | P1PCBT | X3PCPH | P3245T |
|---|---|---|---|---|---|
| 80 05 01 1145 | .3 | 1 | 0.020R | | |
| 80 05 06 1515 | .3 | 1 | 0.020R | | |
| 80 05 08 1430 | .3 | 1 | 0.020R | | |
| 80 05 13 1500 | .3 | 1 | 0.020R | 0.020R | 0.050R |
| 80 05 15 1145 | .3 | 1 | 0.020R | | |
| 80 05 27 1330 | .3 | 1 | 0.020R | | |
| 80 05 29 1145 | .3 | 1 | 0.020R | | |
| 80 06 05 1045 | .3 | 1 | 0.020R | | |
| 80 06 12 1545 | .3 | 1 | 0.020R | | |
| 80 06 18 1200 | .3 | 1 | 0.020R | | |
| 80 06 23 1415 | .3 | 1 | 0.020R | | |
| 80 07 02 1400 | .3 | 1 | 0.020R | | |
| 80 07 09 1445 | .3 | 1 | 0.020R | | |
| 80 07 24 1445 | .3 | 1 | 0.020R | 0.050R | 0.050R |
| 80 07 30 1045 | .3 | 1 | 0.020R | | |
| 80 08 06 1400 | .3 | 1 | 0.020R | | |
| 80 08 11 1315 | .3 | 1 | 0.020R | 0.050R | 0.010R |
| 80 08 20 1230 | .3 | 1 | 0.020R | | |
| 80 08 25 1200 | .3 | 1 | 0.020R | | |
| 80 09 02 1445 | .3 | 1 | 0.020R | | |
| 80 09 08 1500 | .3 | 1 | 0.020R | | |
| 80 09 17 1245 | .3 | 1 | 0.020R | | |
| 80 09 25 1430 | .3 | 1 | 0.020R | 0.050R | 0.050R |
| 80 10 02 1530 | .3 | 1 | 0.020R | | |
| 80 10 08 1115 | .3 | 1 | 0.020R | | |
| 80 10 23 1400 | .3 | 1 | 0.020 | 0.130 | 0.050 |
| 80 10 30 1345 | .3 | 1 | 0.020R | | |
| 80 11 06 1430 | .3 | 1 | 0.020R | 0.200 | 0.050R |
| 80 11 20 1215 | .3 | 1 | 0.020R | | |
| 80 11 27 1145 | .3 | 1 | 0.020R | 0.050R | 0.050R |
| 80 12 03 1730 | .3 | 1 | 0.020R | | |
| 80 12 11 1500 | .3 | 1 | 0.020R | | |
| 80 12 18 1130 | .3 | 1 | 0.020R | | 0.050R |
| 80 12 22 1400 | .3 | 1 | 0.020R | | |
| 80 12 29 1530 | .3 | 1 | 0.020R | | |
| MAXIMUM | | | | 0.200 | 0.050 |
| ARITH MEAN | | | | 0.0748 | 0.0468 |
| GEOM MEAN | | | | 0.0688 | 0.0438 |
| MINIMUM | | | | 0.020 | 0.010 |
| STD DEV | | | | 0.0558 | 0.0128 |
| NO OF SAMPLES | | | | 10 | 11 |

B O W / SITE: **TWELVE MILE CREEK**
SAMPLE POINT: **WELLANDVALE AVE ST CATHARINES**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TWELVE MILE CREEK**

STATION ID: **06-0017-002-02**

STORET CODE: **02**
**004**
**5130**

LAT: LONG: U T M: **17 0641375.0 4779900.0 4** REGION: **02** DISTANCE: **5.472**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
| 80 01 16 1105 | | | .3 | 1 | 28305 | 6 0 | 28000 | 43000 | 2500C | 300I | 1.8 | 14.7 | 1.0 | 0.064 |
| 80 03 11 1055 | | | .3 | 1 | 28354 | 6 0 | 4400 | 17500 | 1600 | 960 | 2.0 | 15.2 | 2.4 | 0.040 |
| 80 03 24 1145 | | | .3 | 1 | 28434 | 6 0 | 2400 | 5900 | 1000 | 480 | 3.0 | 14.0 | 1.0 | 0.029 |
| 80 04 30 1155 | | | .3 | 1 | 28475 | 6 0 | 10300 | 23000 | 1480 | 480 | 7.0 | 10.6 | 1.0 | 0.204 |
| 80 05 13 1400 | | | .3 | 1 | 28534 | 6 | 7800C | 54000 | 2460 | 480 | 9.5 | 9.6 | 0.8 | 0.053 |
| 80 06 25 1210 | | | .3 | 1 | 28578 | 6 9 0 | 4500 | 2500 | 300< | 60I | 19.0 | 7.3 | 1.0 | 0.045 |
| 80 07 06 1810 | | | .3 | 1 | 80014 | 6 | | | | | 20.5 | 8.6 | | 0.049 |
| 80 07 07 0440 | | | .3 | 1 | 80015 | 6 | | | | | 19.5 | 8.6 | | 0.050 |
| 80 07 28 1325 | | | .3 | 1 | 28628 | 6 | 3300 | 17000 | 860 | 110 | 23.0 | 8.4 | 1.0 | 0.038 |
| 80 08 26 1355 | | | .3 | 1 | 28672 | 6 9 0 | 14000C | 760000 | 600I | 230 | 24.0 | 9.8 | 1.8 | 0.045 |
| 80 09 15 1155 | | | .3 | 1 | 28691 | 6 9 0 | 5100 | 16000 | 650 | 180 | 19.8 | 9.1 | 1.2 | 0.048 |
| 80 10 29 1200 | | | .3 | 1 | 28748 | 6 0 | 3500C | 120000 | 750 | 40I | 8.8 | 9.3 | 1.8 | 0.072 |
| 80 11 26 1245 | | | .3 | 1 | 28784 | 6 | 6500 | 19000 | 200I | 30I | 7.0 | 10.3 | 2.0 | 0.035 |
| 80 12 17 1400 | | | .3 | 1 | 28855 | 6 | 2400 | 37000 | 200C | 20I | 2.5 | 12.6 | 2.4 | 0.045 |
| MAXIMUM | | | | | | | 28000 | 760000 | 2500 | 960 | 24.0 | 15.2 | 2.4 | 0.204 |
| ARITH MEAN | | | | | | | 7683 | 92908 | 1050L | 281 | 12.0 | 10.6 | 1.4 | 0.058 |
| GEOM MEAN | | | | | | | 5776 | 28081 | 771L | 156 | 8.4 | 10.3 | 1.3 | 0.051 |
| MINIMUM | | | | | | | 2400 | 2500 | 200< | 20 | 1.8 | 7.3 | 0.8 | 0.029 |
| STD DEV | | | | | | | 7288 | 212417 | 862L | 260 | 8.5 | 2.5 | 0.6 | 0.043 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 14 | 14 | 12 | 14 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
| 80 01 16 1105 | | | .3 | 1 | 0.021 | 0.032 | 0.400 | 0.007 | 0.458 | 0.497 | 0.368 | 0.865 | 233.00 | 25.00 |
| 80 03 11 1055 | | | .3 | 1 | 0.004 | 0.002< | 0.400 | 0.005 | 0.275 | 0.282 | 0.398 | 0.680 | 222.00 | 11.00 |
| 80 03 24 1145 | | | .3 | 1 | 0.010 | 0.022 | 0.280 | 0.004 | 0.286 | 0.312 | 0.258 | 0.570 | 221.00 | 10.00 |
| 80 04 30 1155 | | | .3 | 1 | 0.063 | 0.014 | 0.400 | 0.005 | 0.265 | 0.284 | 0.386 | 0.670 | 209.00 | 14.00 |
| 80 05 13 1400 | | | .3 | 1 | 0.003 | 0.006 | 0.410 | 0.007 | 0.442 | 0.455 | 0.404 | 0.859 | 240.00 | 22.00 |
| 80 06 25 1210 | | | .3 | 1 | 0.005 | 0.016 | 0.350 | 0.007 | 0.253 | 0.276 | 0.334 | 0.610 | 234.00 | 32.00 |
| 80 07 06 1810 | | | .3 | 1 | 0.002 | 0.018 | 0.360 | 0.008 | 0.235 | 0.261 | 0.342 | 0.603 | | |
| 80 07 07 0440 | | | .3 | 1 | 0.001 | 0.010 | 0.390 | 0.007 | 0.223 | 0.240 | 0.380 | 0.620 | | |
| 80 07 28 1325 | | | .3 | 1 | 0.001 | 0.004 | 0.31 | 0.007 | 0.226 | 0.237 | 0.306 | 0.543 | 219 | 30 |
| 80 08 26 1355 | | | .3 | 1 | 0.003 | 0.004 | 0.300 | 0.008 | 0.132 | 0.144 | 0.296 | 0.440 | 232 | 27 |
| 80 09 15 1155 | | | .3 | 1 | 0.001 | 0.010 | 0.38 | 0.004 | 0.121 | 0.135 | 0.370 | 0.505 | 228 | 33 |
| 80 10 29 1200 | | | .3 | 1 | 0.002 | 0.006 | 0.400 | 0.004 | 0.170 | 0.180 | 0.394 | 0.574 | 241.00 | 39.00 |
| 80 11 26 1245 | | | .3 | 1 | 0.002 | 0.020 | 0.320 | 0.013 | 2.700 | 2.733 | 0.300 | 3.033 | | |
| 80 12 17 1400 | | | .3 | 1 | 0.009 | 0.042 | 0.380 | 0.004 | 0.381 | 0.427 | 0.338 | 0.765 | 249.00 | 34.00 |
| MAXIMUM | | | | | 0.063 | 0.042 | 0.410 | 0.013 | 2.700 | 2.733 | 0.404 | 3.033 | 249.00 | 39.00 |
| ARITH MEAN | | | | | 0.009 | 0.015L | 0.38 | 0.006 | 0.440 | 0.462 | 0.348 | 0.810 | 229 | 25 |
| GEOM MEAN | | | | | 0.004 | 0.011L | 0.36 | 0.006 | 0.294 | 0.315 | 0.345 | 0.702 | 229 | 23 |
| MINIMUM | | | | | 0.001 | 0.002< | 0.280 | 0.004 | 0.121 | 0.135 | 0.258 | 0.440 | 209.00 | 10.00 |
| STD DEV | | | | | 0.016 | 0.012L | 0.04 | 0.002 | 0.658 | 0.663 | 0.046 | 0.662 | 11 | 9 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 11 | 11 |

(CONTD)

SAMPLE INFORMATION SYSTEM　　1980 WATER QUALITY DATA　　DATE OF REPORT: 29 AUG 81

B.O.W./SITE: **TWELVE MILE CREEK**
SAMPLE POINT: **WELLANDVALE AVE ST CATHARINES**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TWELVE MILE CREEK**

STATION ID: **06-0017-002-02**
STORET CODE: **02**
**004**
**5130**

LAT　LONG　U.T.M: **17 0641375.0 4779900.0 4**　REGION: **02**　DISTANCE: **5.472**

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FWPH | PHNOL | FEUT | COLAP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | COLOUR APPARENT HZU |
| 80 01 16 1105 | | | 3 | 1 | 208.000 | 320.0 | 29.00 | 20.500 | 30.000 | 7.89 | | 19.000 | | 18.000 |
| 80 03 11 1055 | | | 3 | 1 | 211.000 | 325.0 | 7.50 | 22.500 | 32.000 | 8.00 | | 43.000 | 0.330 | 16.000 |
| 80 03 24 1145 | | | 3 | 1 | 211.000 | 325.0 | 5.70 | 22.000 | 31.000 | 7.92 | | 9.000 | 0.300 | 7.000 |
| 80 04 30 1155 | | | 3 | 1 | 195.000 | 300.0 | 6.50 | 19.500 | 30.500 | 7.74 | | 1.000< | 0.430 | 2.300 |
| 80 05 13 1400 | | | 3 | 1 | 218.000 | 335.0 | 16.00 | 21.500 | 32.500 | 8.22 | | 10.000 | 0.800 | 16.000 |
| 80 06 25 1210 | | | 3 | 1 | 202.000 | 310.0 | 17.00 | 22.000 | 30.000 | 8.20 | | 12.000 | 1.040 | 2.000 |
| 80 07 06 1810 | | | 3 | 1 | | 305.0 | | | | 8.33 | | | | |
| 80 07 07 0440 | | | 3 | 1 | | 305.0 | | | | 8.07 | | | | |
| 80 07 28 1325 | | | 3 | 1 | 189 | 290 | 13 | 20.5 | 28.0 | 8.37 | 8.2 | 15 | 0.95 | 18 |
| 80 08 26 1355 | | | 3 | 1 | 205 | 315 | 13 | 19.5 | 32.0 | 8.30 | 7.8 | 5 | 1.0 | 58 |
| 80 09 15 1155 | | | 3 | 1 | 195 | 300 | 15 | 21.0 | 31.0 | 8.01 | 7.5 | 18 | 0.96 | 10 |
| 80 10 29 1200 | | | 3 | 1 | 202.000 | 310.0 | 18.00 | 20.500 | 29.000 | 7.96 | 7.6 | 12.000 | 1.100 | 15.000 |
| 80 11 26 1245 | | | 3 | 1 | | | | 20.500 | 29.500 | | 8.1 | 6.000 | | |
| 80 12 17 1400 | | | 3 | 1 | 215.000 | 330.0 | 26.00 | 21.000 | 30.500 | 6.73 | 8.4 | 25.000 | 1.300 | 7.000 |
| MAXIMUM | | | | | 218.000 | 335.0 | 29.00 | 22.500 | 32.500 | 8.37 | 8.4 | 43.000 | 1.300 | 58 |
| ARITH MEAN | | | | | 204 | 313 | 16 | 20.9 | 30.5 | 7.98 | 7.8 | 14 L | 0.8 | 15 |
| GEOM MEAN | | | | | 204 | 312 | 13 | 20.8 | 30.4 | 7.97 | 7.8 | 10 L | 0.7 | 10 |
| MINIMUM | | | | | 189 | 290 | 5.70 | 19.500 | 28.0 | 6.73 | 7.5 | 1.000< | 0.300 | 2.000 |
| STD DEV | | | | | 9 | 13 | 7 | 0.9 | 1.3 | 0.42 | 0.4 | 11 L | 0.3 | 15 |
| NO OF SAMPLES | | | | | 11 | 13 | 11 | 12 | 12 | 13 | 6 | 12 | 10 | 11 |

| TEST-NAME: | | | | | COD | MNUT |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHEM. OX DEMAND MG/L AS O | MANGANSE UNF.TOT. MG/L AS MN |
| 80 01 16 1105 | | | 3 | 1 | 12 | |
| 80 03 11 1055 | | | 3 | 1 | 10< | 0.018 |
| 80 03 24 1145 | | | 3 | 1 | 20 | 0.013 |
| 80 04 30 1155 | | | 3 | 1 | 10< | 0.016 |
| 80 05 13 1400 | | | 3 | 1 | 26 | 0.028 |
| 80 06 25 1210 | | | 3 | 1 | 10 | 0.035 |
| 80 07 28 1325 | | | 3 | 1 | 14 | 0.031 |
| 80 08 26 1355 | | | 3 | 1 | 10< | 0.036 |
| 80 09 15 1155 | | | 3 | 1 | 21 | 0.032 |
| 80 10 29 1200 | | | 3 | 1 | 11 | 0.036 |
| 80 12 17 1400 | | | 3 | 1 | 22 | 0.040 |
| MAXIMUM | | | | | 26 | 0.040 |
| ARITH MEAN | | | | | 16L | 0.028 |
| GEOM MEAN | | | | | 14L | 0.027 |
| MINIMUM | | | | | 10< | 0.013 |
| STD DEV | | | | | 6L | 0.010 |
| NO OF SAMPLES | | | | | 11 | 10 |

B.O.W./SITE: **OLD WELLAND CANAL**
SAMPLE POINT: **AT GLENRIDGE AVE ST. CATHARINES**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TWELVE MILE CREEK**

STATION ID: **06-0017-003-02**
STORET CODE: **02**
**004**
**5130**

LAT　LONG　U.T.M: **17 0642550.0 4779100.0 4**　REGION: **02**　DISTANCE: **7.081**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 16 1045 | | | 3 | 1 | 28306 | 6 9 0 | 1010000 | 3200000 | 100000 | 7000I | 10.0 | 10.6 | 78.0 | 0.455 |
| 80 03 11 1045 | | | 3 | 1 | 28353 | 6 0 | 10000I | 270000 | 4000I | 8700 | 7.8 | 12.3 | 58.0 | 0.450 |
| 80 03 24 1155 | | | 3 | 1 | 28433 | 6 0 | 150000 | 2000000 | 120000 | 12000 | 9.5 | 10.4 | 56.0 | 0.575 |
| 80 04 30 1125 | | | 3 | 1 | 28476 | 6 9 0 | | | | | 14.0 | 7.5 | 60.0 | 0.400 |
| 80 05 13 1230 | | | 3 | 1 | 28533 | 6 9 0 | 1000000 | 12000000 | 8000I | 16000 | 14.5 | 6.9 | 48.0 | 0.308 |
| 80 06 25 1150 | | | 3 | 1 | 28577 | 6 9 0 | 430000 | 2000000 | 45000 | 4000I | 25.0 | 4.6 | 52.0 | 0.370 |
| 80 07 06 1820 | | | 3 | 1 | 80012 | 6 9 0 | | | | | 25.5 | 6.3 | | 0.135 |
| 80 07 07 0450 | | | 3 | 1 | 80013 | 6 9 0 | | | | | 23.0 | 6.5 | | 0.100 |
| 80 07 28 1300 | | | 3 | 1 | 28627 | 6 9 0 | 220000 | 2250000 | 49000 | 3300 | 26.0 | 5.7 | 50 | 0.148 |
| 80 08 26 1300 | | | 3 | 1 | 28671 | 6 9 0 | 5100000C | 30000000 | 1300000 | 12500 | 27.5 | | 115 | 3.0 |
| 80 09 15 1135 | | | 3 | 1 | 28690 | 6 9 0 | 740000C | 4700000 | 27000 | 2400 | 25.5 | 6.4 | 48 | 0.325 |
| 80 10 29 1145 | | | 3 | 1 | 28747 | 6 9 0 | 710000C | 21000000 | 90000I | 2600 | 15.8 | 6.7 | 140.0 | 0.364 |
| 80 11 26 1300 | | | 3 | 1 | 28783 | 6 0 | 250000 | 1170000 | 20000I | 3000I | 14.5 | 8.7 | 1.2 | 0.200 |
| 80 12 17 1415 | | | 3 | 1 | 28856 | 6 0 | 130000C | 3100000 | 6000I | 1000 | 7.5 | 10.4 | 82.0 | 0.270 |
| MAXIMUM | | | | | | | 5100000 | 30000000 | 1300000 | 16000 | 27.5 | 12.3 | 140.0 | 3.0 |
| ARITH MEAN | | | | | | | 886364 | 7426363 | 160818 | 6601 | 17.6 | 7.9 | 66 | 0.5 |
| GEOM MEAN | | | | | | | 368266 | 3611870 | 39038 | 4886 | 16.0 | 7.6 | 47 | 0.3 |
| MINIMUM | | | | | | | 10000 | 270000 | 4000 | 1000 | 7.5 | 4.6 | 1.2 | 0.100 |
| STD DEV | | | | | | | 1441366 | 8888426 | 379868 | 5025 | 7.5 | 2.3 | 36 | 0.7 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 14 | 13 | 12 | 14 |

(CONTD)

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 16 1045 | | | .3 | 1 | 0.019 | 0.008 | 2.450 | 0.050 | 0.455 | 0.513 | 2.442 | 2.955 | 505.00 | 26.00 |
| 80 03 11 1045 | | | .3 | 1 | 0.009 | 0.002< | 2.000 | 0.008 | 0.042 | 0.052 | 1.998 | 2.050 | 429.00 | 68.00 |
| 80 03 24 1155 | | | .3 | 1 | 0.018 | 0.002< | 1.350 | 0.018 | 0.222 | 0.242 | 1.348 | 1.590 | 482.00 | 102.00 |
| 80 04 30 1125 | | | .3 | 1 | 0.008 | 0.002< | 1.350 | 0.005 | 0.050 | 0.057 | 1.348 | 1.405 | 326.00 | 131.00 |
| 80 05 13 1230 | | | .3 | 1 | 0.005 | 0.002< | 2.300 | 0.008 | 0.008 | 0.018 | 2.298 | 2.316 | 464.00 | 93.00 |
| 80 06 25 1150 | | | .3 | 1 | 0.005 | 0.002< | 2.000 | 0.012 | 0.033 | 0.047 | 1.998 | 2.045 | 466.00 | 82.00 |
| 80 07 06 1820 | | | .3 | 1 | 0.001 | 0.014 | 0.900 | 0.006 | 0.033 | 0.053 | 0.886 | 0.939 | | |
| 80 07 07 0450 | | | .3 | 1 | 0.003 | 0.004 | 0.850 | 0.005 | 0.070 | 0.079 | 0.846 | 0.925 | | |
| 80 07 28 1300 | | | .3 | 1 | 0.001< | 0.002< | 0.56 | 0.018 | 0.118 | 0.138 | 0.558 | 0.696 | 324 | 41 |
| 80 08 26 1300 | | | .3 | 1 | 0.02 | 0.1 < | 0.20 | 0.09 | 0.10 < | 0.290 | 0.100 | 0.390 | 1390 | 105 |
| 80 09 15 1135 | | | .3 | 1 | 0.013 | 0.002< | 1.60 | 0.004 | 0.041 | 0.047 | 1.598 | 1.645 | 386 | 41 |
| 80 10 29 1145 | | | .3 | 1 | 0.005 | 0.004 | 1.450 | 0.007 | 0.078 | 0.089 | 1.446 | 1.535 | 529.00 | 59.00 |
| 80 11 26 1300 | | | .3 | 1 | 0.016 | 0.018 | 0.820 | 0.004 | 1.050 | 1.072 | 0.802 | 1.874 | | |
| 80 12 17 1415 | | | .3 | 1 | 0.010 | 0.042 | 0.900 | 0.008 | 0.147 | 0.197 | 0.858 | 1.055 | 547.00 | 108.00 |
| MAXIMUM | | | | | 0.02 | 0.1 | 2.450 | 0.09 | 1.050 | 1.072 | 2.442 | 2.955 | 1390 | 131.00 |
| ARITH MEAN | | | | | 0.00 L | 0.0 L | 1.33 | 0.01 | 0.17 L | 0.207 | 1.323 | 1.530 | 531 | 77 |
| GEOM MEAN | | | | | 0.00 L | 0.0 L | 1.13 | C.01 | 0.08 L | 0.112 | 1.074 | 1.382 | 487 | 70 |
| MINIMUM | | | | | 0.001< | 0.002< | 0.20 | 0.004 | 0.008< | 0.018 | 0.100 | 0.390 | 324 | 26.00 |
| STD DEV | | | | | 0.00 L | 0.0 L | 0.67 | 0.02 | 0.27 L | 0.283 | 0.690 | 0.686 | 294 | 33 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 11 | 11 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FWPH | PHNOL | FEUT | COLAP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | COLOUR APPARENT HZU |
| 80 01 16 1045 | | | .3 | 1 | 479.00 | 570.0 | 330.00 | 35.500 | 123.000 | 6.90 | | 1350.000 | | |
| 80 03 11 1045 | | | .3 | 1 | 361.00 | 450.0 | 58.00 | 38.500 | 63.000 | 7.31 | | 1000.000 | 0.630 | 79.000 |
| 80 03 24 1155 | | | .3 | 1 | 380.00 | 550.0 | 75.00 | 50.000 | 79.000 | 6.89 | | 550.000 | 1.500 | 34.000 |
| 80 04 30 1125 | | | .3 | 1 | 195.000 | 300.0 | 31.00 | 30.000 | 66.000 | 6.80 | | 750.000 | 1.100 | 70.000> |
| 80 05 13 1230 | | | .3 | 1 | 371.00 | 550.0 | 58.00 | 45.000 | 79.000 | 7.06 | | 275.000 | 2.400 | 70.000> |
| 80 06 25 1150 | | | .3 | 1 | 384.00 | 490.0 | 62.00 | 27.500 | 75.000 | 6.82 | | 1300.000 | 1.400 | 70.000> |
| 80 07 06 1820 | | | .3 | 1 | | 500.0 | | | | 7.66 | | | | |
| 80 07 07 0450 | | | .3 | 1 | | 800.0 | | | | 7.68 | | | | |
| 80 07 28 1300 | | | .3 | 1 | 283 | 435 | 37 | 23.0 | 125 | 7.03 | 7.5 | 1000 | 0.98 | 70 > |
| 80 08 26 1300 | | | .3 | 1 | 1290 | 1280 | 34 | 31 | 370 | 7.4 | 7.9 | 4000 | 0.85 | 41 |
| 80 09 15 1135 | | | .3 | 1 | 345 | 465 | 250 | 29.5 | 79 | 6.85 | 7.2 | 1100 | 0.95 | 75 |
| 80 10 29 1145 | | | .3 | 1 | 470.00 | 465.0 | 40.00 | 32.000 | 76.500 | 6.88 | 7.35 | 1400.000 | 1.300 | 70.000> |
| 80 11 26 1300 | | | .3 | 1 | | | | 36.000 | 86.000 | | 7.5 | 30.000 | | |
| 80 12 17 1415 | | | .3 | 1 | 439.00 | 500.0 | 150.00 | 47.000 | 82.000 | 7.93 | 7.65 | 3500.000 | 1.600 | 70.000> |
| MAXIMUM | | | | | 1290 | 1280 | 330.00 | 50.000 | 370 | 7.93 | 7.9 | 4000 | 2.400 | 79.000> |
| ARITH MEAN | | | | | 454 | 565 | 102 | 36 | 108 | 7.1 | 7.5 | 1354 | 1.27 | 64 G |
| GEOM MEAN | | | | | 404 | 532 | 72 | 34 | 93 | 7.1 | 7.5 | 842 | 1.19 | 62 G |
| MINIMUM | | | | | 195.000 | 300.0 | 31.00 | 23.0 | 63.000 | 6.80 | 7.2 | 30.000 | 0.630 | 34.000 |
| STD DEV | | | | | 268 | 241 | 100 | 8 | 84 | 0.3 | 0.2 | 1200 | 0.50 | 14 G |
| NO OF SAMPLES | | | | | 11 | 13 | 11 | 12 | 12 | 13 | 6 | 12 | 10 | 10 |

| TEST-NAME: | | | | | COD | ASUT | HGUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHEM. OX DEMAND MG/L AS O | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN |
| 80 01 16 1045 | | | .3 | 1 | 380 | | 0.020< | 0.100 | 0.020< | 0.060 | | | 0.180 | |
| 80 03 11 1045 | | | .3 | 1 | 130 | | 0.020< | 1.700 | 0.020< | 0.040 | | | 0.690 | 0.150 |
| 80 03 24 1155 | | | .3 | 1 | 184 | | 0.030 | 3.400 | 0.020< | 0.030 | | | 0.070 | 0.150 |
| 80 04 30 1125 | | | .3 | 1 | 288 | | | 1.8 | 0.02 < | 0.02 | | | 0.49 | 0.140 |
| 80 05 13 1230 | | | .3 | 1 | 235 | | 0.050 | 3.800 | 0.020< | 0.070 | | | 0.060 | 0.220 |
| 80 06 25 1150 | | | .3 | 1 | 250 | | 0.040< | 2.300 | 0.020< | 0.070 | | | 0.040 | 0.170 |
| 80 07 28 1300 | | | .3 | 1 | 170 | | | 1.1 | 0.02 < | 0.04 | | | 0.02 | 0.106 |
| 80 08 26 1300 | | | .3 | 1 | 800 | | 0.06 | 1.1 | 0.003 | 0.27 | | | 0.024 | 0.535 |
| 80 09 15 1135 | | | .3 | 1 | 340 | | 0.04 < | 1.1 | 0.010 | 0.018 | | | 0.020 | 0.024 |
| 80 10 29 1145 | | | .3 | 1 | 410 | | 0.030< | 2.300 | 0.005 | 0.029 | | | 0.035 | 0.255 |
| 80 11 26 1300 | | | .3 | 1 | | 0.005< | 0.060< | | 0.002< | 0.019 | 0.004 | 0.0006 | 0.027 | |
| 80 12 17 1415 | | | .3 | 1 | 280 | | 0.05 | 4.3 | 0.005 | 0.027 | | | 0.052 | 0.185 |
| MAXIMUM | | | | | 800 | 0.005 | 0.060 | 4.3 | 0.02 | 0.27 | 0.004 | 0.0006 | 0.690 | 0.535 |
| ARITH MEAN | | | | | 315 | 0.005L | 0.04 L | 2.0 | 0.01 L | 0.05 | 0.004 | 0.0006 | 0.14 | 0.183 |
| GEOM MEAN | | | | | 280 | | 0.03 L | 1.5 | 0.01 L | 0.04 | | | 0.06 | 0.154 |
| MINIMUM | | | | | 130 | 0.005< | 0.020< | 0.100 | 0.002< | 0.018 | 0.004 | 0.0006 | 0.02 | 0.024 |
| STD DEV | | | | | 183 | | 0.01 L | 1.2 | 0.00 L | 0.06 | | | 0.21 | 0.135 |
| NO OF SAMPLES | | | | | 11 | 1 | 10 | 11 | 12 | 12 | 1 | 1 | 12 | 10 |

| TEST-NAME: | | | | | NIUT |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NICKEL UNF.TOT. MG/L AS NI |
| 80 01 16 1045 | | | .3 | 1 | 0.020< |
| 80 03 11 1045 | | | .3 | 1 | 0.020< |
| 80 03 24 1155 | | | .3 | 1 | 0.020< |
| 80 04 30 1125 | | | .3 | 1 | 0.02 < |
| 80 05 13 1230 | | | .3 | 1 | 0.020< |
| 80 06 25 1150 | | | .3 | 1 | 0.030< |
| 80 07 28 1300 | | | .3 | 1 | 0.02 < |
| 80 08 26 1300 | | | .3 | 1 | 0.004 |
| 80 09 15 1135 | | | .3 | 1 | 0.003 |
| 80 10 29 1145 | | | .3 | 1 | 0.003 |
| 80 12 17 1415 | | | .3 | 1 | 0.005 |
| MAXIMUM | | | | | 0.030 |
| ARITH MEAN | | | | | 0.01 L |
| GEOM MEAN | | | | | 0.01 L |
| MINIMUM | | | | | 0.003< |
| STD DEV | | | | | 0.00 L |
| NO OF SAMPLES | | | | | 11 |

B.O.W./ SITE **TWELVE MILE CREEK**
SAMPLE POINT **AT GLENDALE AVE, ST CATHARINES**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ONTARIO**
TERM STREAM **TWELVE MILE CREEK**

STATION ID **06-0017-004-02**
STORET CODE **02**
**004**
**5130**

LAT LONG U T M: **17 0642275.0 4776950.0 4** REGION **02** DISTANCE **8.680**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 16 1030 | | | .3 | 1 | 28307 | 6 | 100I | 840 | 10< | 10I | 1.9 | 14.8 | 0.2 | 0.050 |
| 80 03 11 1030 | | | .3 | 1 | 28352 | 6 | 680 | 1220 | 8 | 180 | 1.2 | 15.7 | 0.2 | 0.021 |
| 80 03 24 1310 | | | .3 | 1 | 28432 | 6 | 80I | 500 | 130 | 50I | 3.5 | 13.9 | 0.2 | 0.019 |
| 80 04 30 1105 | | | .3 | 1 | 28477 | 6 | 300 | 850 | 4 | 20 | 7.0 | 10.6 | 0.2 | 0.192 |
| 80 05 13 1310 | | | .3 | 1 | 28532 | 6 | 340 | 1400 | 20 | 4< | 9.0 | 10.0 | 0.6 | 0.050 |
| 80 06 25 1140 | | | .3 | 1 | 28576 | 6 9 | 870 | 1450 | 10< | 10I | 18.0 | 7.8 | 0.8 | 0.045 |
| 80 07 06 1840 | | | .3 | 1 | 80010 | 6 | | | | | 21.0 | 8.7 | | 0.040 |
| 80 07 07 0500 | | | .3 | 1 | 80011 | 6 | | | | | 19.0 | 8.5 | | 0.034 |
| 80 07 28 1250 | | | .3 | 1 | 28626 | 6 9 | 240C | 4900 | 28 | 24 | 23.0 | 8.4 | 0.8 | 0.040 |
| 80 08 26 1240 | | | .3 | 1 | 28670 | 6 9 | 160C | 6600 | 8 | 4 | 23.5 | 11.0 | 0.6 | 0.035 |
| 80 09 15 1115 | | | .3 | 1 | 28689 | 6 9 | 460 | 4600 | 80I | 60I | 19.5 | 9.2 | 0.6 | 0.048 |
| 80 10 29 1120 | | | .3 | 1 | 28746 | 6 9 | 580C | 5200 | 30I | 80I | 9.0 | 9.6 | 1.6 | 0.056 |
| 80 11 26 1315 | | | .3 | 1 | 28782 | 6 | 420 | 1780 | 10I | 10I | 8.0 | 10.8 | 1.0 | 0.027 |
| 80 12 17 1435 | | | .3 | 1 | 28857 | 6 | 1480C | 9600 | 28C | 4 | 2.5 | 12.7 | 1.2 | 0.040 |
| MAXIMUM | | | | | | | 1480 | 9600 | 130 | 180 | 23.5 | 15.7 | 1.6 | 0.192 |
| ARITH MEAN | | | | | | | 476 | 3245 | 30L | 38L | 11.9 | 10.8 | 0.7 | 0.050 |
| GEOM MEAN | | | | | | | 347 | 2183 | 18L | 18L | 8.3 | 10.6 | 0.5 | 0.042 |
| MINIMUM | | | | | | | 80 | 500 | 4< | 4< | 1.2 | 7.8 | 0.2 | 0.019 |
| STD DEV | | | | | | | 396 | 2891 | 37L | 51L | 8.4 | 2.5 | 0.4 | 0.042 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 14 | 14 | 12 | 14 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 16 1030 | | | .3 | 1 | 0.002 | 0.026 | 0.320 | 0.005 | 0.435 | 0.466 | 0.294 | 0.760 | 233.00 | 25.00 |
| 80 03 11 1030 | | | .3 | 1 | 0.003 | 0.026 | 0.300 | 0.002 | 0.293 | 0.321 | 0.274 | 0.595 | 209.00 | 4.00 |
| 80 03 24 1310 | | | .3 | 1 | 0.005 | 0.018 | 0.240 | 0.003 | 0.282 | 0.303 | 0.222 | 0.525 | 214.00 | 6.00 |
| 80 04 30 1105 | | | .3 | 1 | 0.060 | 0.016 | 0.310 | 0.003 | 0.262 | 0.281 | 0.294 | 0.575 | 207.00 | 12.00 |
| 80 05 13 1310 | | | .3 | 1 | 0.005 | 0.022 | 0.380 | 0.005 | 0.465 | 0.492 | 0.358 | 0.850 | 235.00 | 20.00 |
| 80 06 25 1140 | | | .3 | 1 | 0.001 | 0.026 | 0.390 | 0.005 | 0.260 | 0.291 | 0.364 | 0.655 | 222.00 | 27.00 |
| 80 07 06 1840 | | | .3 | 1 | 0.004 | 0.036 | 0.330 | 0.007 | 0.231 | 0.274 | 0.294 | 0.568 | | |
| 80 07 07 0500 | | | .3 | 1 | 0.003 | 0.046 | 0.300 | 0.006 | 0.229 | 0.281 | 0.254 | 0.535 | | |
| 80 07 28 1250 | | | .3 | 1 | 0.005 | 0.046 | 0.31 | 0.007 | 0.221 | 0.274 | 0.264 | 0.538 | 213 | 24 |
| 80 08 26 1240 | | | .3 | 1 | 0.003 | 0.032 | 0.26 | 0.007 | 0.153 | 0.192 | 0.228 | 0.420 | 224 | 32 |
| 80 09 15 1115 | | | .3 | 1 | 0.008 | 0.040 | 0.30 | 0.004 | 0.131 | 0.175 | 0.260 | 0.435 | 226 | 28 |
| 80 10 29 1120 | | | .3 | 1 | 0.002 | 0.026 | 0.300 | 0.002 | 0.198 | 0.226 | 0.274 | 0.500 | 231.00 | 29.00 |
| 80 11 26 1315 | | | .3 | 1 | 0.003 | 0.010 | 0.270 | 0.002 | 0.220 | 0.232 | 0.260 | 0.492 | 221.00 | 16.00 |
| 80 12 17 1435 | | | .3 | 1 | 0.008 | 0.020 | 0.320 | 0.002 | 0.358 | 0.380 | 0.300 | 0.680 | 246.00 | 35.00 |
| MAXIMUM | | | | | 0.060 | 0.046 | 0.390 | 0.007 | 0.465 | 0.492 | 0.364 | 0.850 | 246.00 | 35.00 |
| ARITH MEAN | | | | | 0.008 | 0.028 | 0.30 | 0.004 | 0.267 | 0.299 | 0.281 | 0.581 | 223 | 21 |
| GEOM MEAN | | | | | 0.004 | 0.026 | 0.30 | 0.004 | 0.252 | 0.287 | 0.279 | 0.570 | 223 | 18 |
| MINIMUM | | | | | 0.001 | 0.010 | 0.240 | 0.002 | 0.131 | 0.175 | 0.222 | 0.420 | 207.00 | 4.00 |
| STD DEV | | | | | 0.015 | 0.011 | 0.04 | 0.002 | 0.096 | 0.092 | 0.041 | 0.121 | 11 | 10 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FWPH | PHNOL | FEUT | COLAP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | COLOUR APPARENT HZU |
| 80 01 16 1030 | | | .3 | 1 | 208.000 | 320.0 | 26.00 | 20.500 | 30.500 | 8.04 | | 3.000 | | 13.000 |
| 80 03 11 1030 | | | .3 | 1 | 205.000 | 316.0 | 5.50 | 21.500 | 29.500 | 8.11 | | 1.000< | 0.270 | 13.000 |
| 80 03 24 1310 | | | .3 | 1 | 208.000 | 320.0 | 8.70 | 21.500 | 31.000 | 8.07 | | 1.000< | 0.270 | 4.000 |
| 80 04 30 1105 | | | .3 | 1 | 195.000 | 300.0 | 8.60 | 19.000 | 29.500 | 7.96 | | 1.000< | 0.410 | 13.000 |
| 80 05 13 1310 | | | .3 | 1 | 215.000 | 330.0 | 14.00 | 21.000 | 33.000 | 8.30 | | 1.000< | 0.780 | 8.000 |
| 80 06 25 1140 | | | .3 | 1 | 195.000 | 300.0 | 17.00 | 21.500 | 29.500 | 8.28 | | 1.000< | 0.950 | 1.000 |
| 80 07 06 1840 | | | .3 | 1 | | 300.0 | | | | 8.43 | | | | |
| 80 07 07 0500 | | | .3 | 1 | | 300.0 | | | | 8.27 | | | | |
| 80 07 28 1250 | | | .3 | 1 | 189 | 290 | 12 | 20.5 | 30.5 | 8.41 | 8.1 | 3 | 0.90 | 7 |
| 80 08 26 1240 | | | .3 | 1 | 192 | 295 | 15 | 19.5 | 27.5 | 8.49 | 8.1 | 1 < | 0.89 | 5 |
| 80 09 15 1115 | | | .3 | 1 | 198 | 305 | 8.8 | 21.0 | 30.5 | 8.25 | 7.7 | 2 | 0.94 | 6 |
| 80 10 29 1120 | | | .3 | 1 | 202.000 | 310.0 | 19.00 | 20.000 | 28.500 | 8.13 | 7.8 | 1.000< | 1.100 | 14.000 |
| 80 11 26 1315 | | | .3 | 1 | 205.000 | 315.0 | 8.40 | 20.500 | 28.000 | 8.31 | 7.9 | 1.000< | 0.490 | 16.000 |
| 80 12 17 1435 | | | .3 | 1 | 211.000 | 325.0 | 24.00 | 21.000 | 29.500 | 7.96 | 8.2 | 1.000< | 1.300 | 5.000 |
| MAXIMUM | | | | | 215.000 | 330.0 | 26.00 | 21.500 | 33.000 | 8.49 | 8.2 | 3.000 | 1.300 | 16.000 |
| ARITH MEAN | | | | | 201 | 309 | 13 | 20.8 | 29.7 | 8.21 | 8.0 | 1 L | 0.75 | 8 |
| GEOM MEAN | | | | | 201 | 308 | 12 | 20.8 | 29.7 | 8.21 | 8.0 | 1 L | 0.65 | 7 |
| MINIMUM | | | | | 189 | 290 | 5.50 | 19.000 | 27.5 | 7.96 | 7.7 | 1.000< | 0.270 | 1.000 |
| STD DEV | | | | | 8 | 12 | 6 | 0.8 | 1.4 | 0.17 | 0.2 | 0 L | 0.34 | 4 |
| NO OF SAMPLES | | | | | 12 | 14 | 12 | 12 | 12 | 14 | 6 | 12 | 11 | 12 |

| TEST-NAME: | | | | | COD | MNUT |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHEM. OX DEMAND MG/L AS O | MANGANSE UNF.TOT. MG/L AS MN |
| 80 01 16 1030 | | | .3 | 1 | 14 | |
| 80 03 11 1030 | | | .3 | 1 | 12 | 0.009 |
| 80 03 24 1310 | | | .3 | 1 | 34 | 0.010 |
| 80 04 30 1105 | | | .3 | 1 | 10< | 0.014 |
| 80 05 13 1310 | | | .3 | 1 | 20 | 0.024 |
| 80 06 25 1140 | | | .3 | 1 | 14 | 0.029 |
| 80 07 28 1250 | | | .3 | 1 | 12 | 0.028 |
| 80 08 26 1240 | | | .3 | 1 | 10< | 0.028 |
| 80 09 15 1115 | | | .3 | 1 | 12 | 0.029 |
| 80 10 29 1120 | | | .3 | 1 | 10< | 0.034 |
| 80 11 26 1315 | | | .3 | 1 | 21 | 0.017 |
| 80 12 17 1435 | | | .3 | 1 | 10 | 0.040 |
| MAXIMUM | | | | | 34 | 0.040 |
| ARITH MEAN | | | | | 15L | 0.024 |
| GEOM MEAN | | | | | 14L | 0.022 |
| MINIMUM | | | | | 10< | 0.009 |
| STD DEV | | | | | 7L | 0.010 |
| NO OF SAMPLES | | | | | 12 | 11 |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

| | | |
|---|---|---|
| B.O.W./ SITE: **TWELVE MILE CREEK**<br>SAMPLE POINT: **1ST.ST.LOUTH TWP.NEAR POWER GLEN**<br>STATION TYPE: **RIVER** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE ONTARIO**<br>TERM STREAM: **TWELVE MILE CREEK** | STATION ID: **06-0017-007-02**<br>STORET CODE: **02**<br>**004**<br>**5130** |
| LAT: LONG: | U T M: **17 0640425.0 4774825.0 4** | REGION: **02** DISTANCE: **11.900** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 16 1010 | | | .3 | 1 | 28309 | 3 | 740 | 3300 | 100 | 1300 | 2.3 | 14.2 | 0.2 | 0.064 |
| 80 03 11 1015 | | | .3 | 1 | 28350 | 3 | 3000> | 3000> | 660 | 3000> | 1.8 | 14.3 | 5.4 | 0.325 |
| 80 03 24 1325 | | | .3 | 1 | 28430 | 3 | 2000 | 21000 | 120 | 6100 | 4.4 | 12.6 | 1.4 | 0.118 |
| 80 04 30 1035 | | | .3 | 1 | 28479 | 3 | 470 | 1900 | 250 | 700I | 9.0 | 9.3 | 0.6 | 0.049 |
| 80 05 13 1035 | | | .3 | 1 | 28530 | 6 | 350C | 4450 | 100 | 200 | 12.5 | 7.9 | 0.6 | 0.026 |
| 80 06 25 1050 | | | .3 | 1 | 28574 | 6 | 390C | 3400 | 200I | 600I | 21.0 | 6.2 | 0.8 | 0.098 |
| 80 07 06 1925 | | | .3 | 1 | 80006 | 8 | | | | | 22.0 | 9.7 | | 0.061 |
| 80 07 07 0515 | | | .3 | 1 | 80007 | 8 | | | | | 18.0 | 7.5 | | 0.086 |
| 80 07 28 1140 | | | .3 | 1 | 28624 | 6 | 2400 | 19000 | 230 | 210 | 21.0 | 7.5 | 1.2 | 0.082 |
| 80 08 26 1145 | | | .3 | 1 | 28668 | 6 | 800I | 18500 | 100 | 70I | 21.0 | 11.2 | 1.0 | 0.063 |
| 80 09 15 1050 | | | .3 | 1 | 28687 | 3 | 2300C | 23500 | 380 | 930 | 16.0 | 9.2 | 1.1 | 0.108 |
| 80 10 29 1055 | | | .3 | 1 | 28744 | 6 | 1850C | 14500 | 110 | 370 | 6.0 | 10.1 | 0.4 | 0.111 |
| 80 11 26 1330 | | | .3 | 1 | 28780 | 6 | 400I | 2900 | 10I | 110 | 5.5 | 12.8 | 1.0 | 0.024 |
| 80 12 17 1455 | | | .3 | 1 | 28859 | 4 | 760 | 4800 | 36 | 140 | 1.0 | 13.6 | 1.0 | 0.020 |
| MAXIMUM | | | | | | | 3000> | 23500> | 660 | 6100> | 22.0 | 14.3 | 5.4 | 0.325 |
| ARITH MEAN | | | | | | | 1288G | 10021G | 191 | 1144G | 11.5 | 10.4 | 1.2 | 0.088 |
| GEOM MEAN | | | | | | | 972G | 6811G | 124 | 482G | 7.9 | 10.1 | 0.9 | 0.068 |
| MINIMUM | | | | | | | 350 | 1900 | 10 | 70 | 1.0 | 6.2 | 0.2 | 0.020 |
| STD DEV | | | | | | | 962G | 8484G | 179 | 1782G | 8.1 | 2.7 | 1.4 | 0.078 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 14 | 14 | 12 | 14 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 16 1010 | | | .3 | 1 | 0.022 | 0.036 | 0.380 | 0.009 | 1.290 | 1.335 | 0.344 | 1.679 | 396.0 | 17.0 |
| 80 03 11 1015 | | | .3 | 1 | 0.076 | 0.384 | 2.000 | 0.053 | 1.550 | 1.987 | 1.616 | 3.603 | 330.0 | 123.0 |
| 80 03 24 1325 | | | .3 | 1 | 0.036 | 0.116 | 0.730 | 0.027 | 1.670 | 1.813 | 0.614 | 2.427 | 399.0 | 45.0 |
| 80 04 30 1035 | | | .3 | 1 | 0.008 | 0.008 | 0.570 | 0.011 | 0.689 | 0.708 | 0.562 | 1.270 | 379.00 | 12.00 |
| 80 05 13 1035 | | | .3 | 1 | 0.001 | 0.002 | 0.250 | 0.006 | 0.334 | 0.342 | 0.248 | 0.590 | 347.0 | 12.0 |
| 80 06 25 1050 | | | .3 | 1 | 0.024 | 0.066 | 0.380 | 0.027 | 0.833 | 0.926 | 0.314 | 1.240 | 444.0 | 49.0 |
| 80 07 06 1925 | | | .3 | 1 | 0.010 | 0.015 | 0.310 | 0.012 | 0.733 | 0.760 | 0.295 | 1.055 | | |
| 80 07 07 0515 | | | .3 | 1 | 0.011 | 0.021 | 0.550 | 0.013 | 0.752 | 0.786 | 0.529 | 1.315 | | |
| 80 07 28 1140 | | | .3 | 1 | 0.014 | 0.004 | 0.35 | 0.013 | 0.710 | 0.727 | 0.346 | 1.073 | 399 | 23 |
| 80 08 26 1145 | | | .3 | 1 | 0.012 | 0.076 | 0.30 | 0.011 | 0.639 | 0.726 | 0.224 | 0.950 | 427 | 28 |
| 80 09 15 1050 | | | .3 | 1 | 0.034 | 0.028 | 0.40 | 0.010 | 0.815 | 0.853 | 0.372 | 1.225 | 388 | 42 |
| 80 10 29 1055 | | | .3 | 1 | 0.080 | 0.016 | 0.320 | 0.009 | 1.090 | 1.115 | 0.304 | 1.419 | 378.0 | 6.0 |
| 80 11 26 1330 | | | .3 | 1 | 0.004 | 0.012 | 0.240 | 0.003 | 0.795 | 0.810 | 0.228 | 1.038 | | |
| 80 12 17 1455 | | | .3 | 1 | 0.011 | 0.022 | 0.350 | 0.003 | 1.250 | 1.275 | 0.328 | 1.603 | 407.0 | 11.0 |
| MAXIMUM | | | | | 0.080 | 0.384 | 2.000 | 0.053 | 1.670 | 1.987 | 1.616 | 3.603 | 444.0 | 123.0 |
| ARITH MEAN | | | | | 0.024 | 0.068 | 0.50 | 0.016 | 0.939 | 1.012 | 0.462 | 1.463 | 390 | 33 |
| GEOM MEAN | | | | | 0.016 | 0.024 | 0.42 | 0.011 | 0.870 | 0.926 | 0.384 | 1.333 | 389 | 23 |
| MINIMUM | | | | | 0.001 | 0.002 | 0.240 | 0.003 | 0.334 | 0.342 | 0.224 | 0.590 | 330.0 | 6.0 |
| STD DEV | | | | | 0.025 | 0.099 | 0.46 | 0.013 | 0.377 | 0.453 | 0.357 | 0.748 | 32 | 33 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 11 | 11 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FWPH | FEUT | COLAP | COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE | COLOUR APPARENT HZU | CHEM. OX DEMAND MG/L AS O |
| 80 01 16 1010 | | | .3 | 1 | 379.0 | 590.0 | 23.00 | 19.000 | | 7.78 | | | | |
| 80 03 11 1015 | | | .3 | 1 | | 319.0 | 88.00 | 29.500 | | 7.74 | | | | |
| 80 03 24 1325 | | | .3 | 1 | 354.0 | 500.0 | 50.00 | 37.000 | | 8.00 | | | | |
| 80 04 30 1035 | | | .3 | 1 | 367.00 | 580.0 | 8.90 | 24.500 | 76.000 | 8.09 | | 0.680 | 23.000 | 10< |
| 80 05 13 1035 | | | .3 | 1 | 335.0 | 550.0 | 5.30 | 16.000 | | 8.21 | | | | |
| 80 06 25 1050 | | | .3 | 1 | 395.0 | 600.0 | 30.00 | 17.500 | | 8.18 | | | | |
| 80 07 06 1925 | | | .3 | 1 | | 550.0 | | | | 8.54 | | | | |
| 80 07 28 1140 | | | .3 | 1 | 376 | 550 | 18 | 16.5 | | 8.25 | 7.9 | | | |
| 80 08 26 1145 | | | .3 | 1 | 399 | 550 | 15 | 16.0 | | 8.29 | 8.0 | | | |
| 80 09 15 1050 | | | .3 | 1 | 346 | 580 | 18 | 18.5 | | 8.26 | 7.8 | | | |
| 80 10 29 1055 | | | .3 | 1 | 372.0 | 620.0 | 58.00 | 22.000 | | 8.31 | 7.9 | | | |
| 80 11 26 1330 | | | .3 | 1 | | | | 24.000 | | | 8.15 | | | |
| 80 12 17 1455 | | | .3 | 1 | 396.0 | 620.0 | 7.10 | 21.000 | | 8.01 | 8.2 | | | |
| MAXIMUM | | | | | 399 | 620.0 | 88.00 | 37.000 | 76.000 | 8.54 | 8.2 | 0.680 | 23.000 | 10 |
| ARITH MEAN | | | | | 371 | 550 | 29 | 21.7 | 76.000 | 8.14 | 7.9 | 0.680 | 23.000 | 10L |
| GEOM MEAN | | | | | 371 | 543 | 20 | 21.0 | | 8.14 | 7.9 | | | |
| MINIMUM | | | | | 335.0 | 319.0 | 5.30 | 16.000 | 76.000 | 7.74 | 7.8 | 0.680 | 23.000 | 10< |
| STD DEV | | | | | 21 | 80 | 25 | 6.2 | | 0.23 | 0.1 | | | |
| NO OF SAMPLES | | | | | 10 | 12 | 11 | 12 | 1 | 12 | 6 | 1 | 1 | 1 |

| TEST-NAME: | | | | | MNUT |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | MANGANSE UNF.TOT. MG/L AS MN |
| 80 04 30 1035 | | | .3 | 1 | 0.054 |
| MAXIMUM | | | | | 0.054 |
| ARITH MEAN | | | | | 0.054 |
| GEOM MEAN | | | | | |
| MINIMUM | | | | | 0.054 |
| STD DEV | | | | | |
| NO OF SAMPLES | | | | | 1 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./SITE **TWELVE MILE CREEK**
SAMPLE POINT **AT DECEW ROAD**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ONTARIO**
TERM STREAM **TWELVE MILE CREEK**

STATION ID: **06-0017-008-02**
STORET CODE **02**
**004**
**5130**

LAT LONG U.T.M. **17 0641300.0 4775300.0 4** REGION: **02** DISTANCE: **10.821**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 16 1020 | | | .3 | 1 | 28308 | 6 | 20< | 340 | 10< | 20< | 2.0 | 14.6 | 0.2 | 0.052 |
| 80 03 11 1020 | | | .3 | 1 | 28351 | 6 | 250 | 750 | 8 | 92 | 1.3 | 15.1 | 0.2 | 0.015 |
| 80 03 24 1320 | | | .3 | 1 | 28431 | 6 | 490 | 1800 | 20I | 10I | 3.0 | 13.9 | 0.2 | 0.023 |
| 80 04 30 1045 | | | .3 | 1 | 28478 | 6 | 120 | 1000 | 4 | 28 | 6.0 | 11.0 | 0.2 | 0.033 |
| 80 05 13 1155 | | | .3 | 1 | 28531 | 6 | 160 | 700 | 4 | 20 | 9.0 | 9.8 | 0.4 | 0.037 |
| 80 06 25 1130 | | | .3 | 1 | 28575 | 6 | 1430 | 290 | 10< | 10I | 19.0 | 7.5 | 0.8 | 0.039 |
| 80 07 06 1910 | | | .3 | 1 | 80008 | 6 | | | | | 20.0 | 8.4 | | 0.033 |
| 80 07 07 0510 | | | .3 | 1 | 80009 | 6 | | | | | 19.0 | 8.4 | | 0.040 |
| 80 07 28 1240 | | | .3 | 1 | 28625 | 6 | 270C | 3600 | 40I | 10< | 23.0 | 8.8 | 0.6 | 0.033 |
| 80 08 26 1220 | | | .3 | 1 | 28669 | 6 | 50I | 2650 | 10< | 10< | 23.5 | 10.0 | 0.6 | 0.034 |
| 80 09 15 1100 | | | .3 | 1 | 28688 | 6 | 530C | 4000 | 20I | 140 | 19.5 | 9.0 | 0.7 | 0.048 |
| 80 10 29 1105 | | | .3 | 1 | 28745 | 6 | 380 | 3600 | 10I | 10I | 9.0 | 9.4 | 1.0 | 0.054 |
| 80 11 26 1325 | | | .3 | 1 | 28781 | 6 | 780 | 1340 | 190 | 10< | 9.0 | 10.7 | 1.0 | 0.025 |
| 80 12 17 1445 | | | .3 | 1 | 28858 | 6 | 580C | 3800 | 10< | 4< | 2.8 | 13.0 | 1.3 | 0.055 |
| MAXIMUM | | | | | | | 1430 | 4000 | 190 | 140 | 23.5 | 15.1 | 1.3 | 0.055 |
| ARITH MEAN | | | | | | | 422L | 1989 | 28L | 30L | 11.9 | 10.7 | 0.6 | 0.037 |
| GEOM MEAN | | | | | | | 257L | 1416 | 14L | 17L | 8.3 | 10.4 | 0.5 | 0.035 |
| MINIMUM | | | | | | | 20< | 290 | 4< | 4< | 1.3 | 7.5 | 0.2 | 0.015 |
| STD DEV | | | | | | | 393L | 1452 | 52L | 42L | 8.4 | 2.5 | 0.4 | 0.012 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 14 | 14 | 12 | 14 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 16 1020 | | | .3 | 1 | 0.012 | 0.024 | 0.330 | 0.005 | 0.415 | 0.444 | 0.306 | 0.750 | 250.00 | 45.00 |
| 80 03 11 1020 | | | .3 | 1 | 0.006 | 0.050 | 0.290 | 0.002 | 0.298 | 0.350 | 0.240 | 0.590 | 214.00 | 6.00 |
| 80 03 24 1320 | | | .3 | 1 | 0.005 | 0.016 | 0.210 | 0.003 | 0.267 | 0.286 | 0.194 | 0.480 | 216.00 | 11.00 |
| 80 04 30 1045 | | | .3 | 1 | 0.009 | 0.020 | 0.280 | 0.004 | 0.271 | 0.295 | 0.260 | 0.555 | 208.0 | 13.0 |
| 80 05 13 1155 | | | .3 | 1 | 0.006 | 0.026 | 0.360 | 0.006 | 0.454 | 0.486 | 0.334 | 0.820 | 236.00 | 21.00 |
| 80 06 25 1130 | | | .3 | 1 | 0.002 | 0.038 | 0.340 | 0.006 | 0.249 | 0.293 | 0.302 | 0.595 | 222.00 | 24.00 |
| 80 07 06 1910 | | | .3 | 1 | 0.002 | 0.026 | 0.300 | 0.006 | 0.222 | 0.254 | 0.274 | 0.528 | | |
| 80 07 07 0510 | | | .3 | 1 | 0.003 | 0.048 | 0.330 | 0.006 | 0.224 | 0.278 | 0.282 | 0.560 | | |
| 80 07 28 1240 | | | .3 | 1 | 0.003 | 0.040 | 0.29 | 0.007 | 0.226 | 0.273 | 0.250 | 0.523 | 209 | 20 |
| 80 08 26 1220 | | | .3 | 1 | 0.002 | 0.024 | 0.27 | 0.006 | 0.136 | 0.166 | 0.246 | 0.412 | 219 | 27 |
| 80 09 15 1100 | | | .3 | 1 | 0.005 | 0.036 | 0.28 | 0.004 | 0.131 | 0.171 | 0.244 | 0.415 | 217 | 28 |
| 80 10 29 1105 | | | .3 | 1 | 0.002 | 0.002< | 0.320 | 0.004 | 0.191 | 0.197 | 0.318 | 0.515 | 236.00 | 34.00 |
| 80 11 26 1325 | | | .3 | 1 | 0.003 | 0.012 | 0.280 | 0.002 | 0.210 | 0.224 | 0.268 | 0.492 | | |
| 80 12 17 1445 | | | .3 | 1 | 0.008 | 0.014 | 0.400 | 0.003 | 0.347 | 0.364 | 0.386 | 0.750 | 260.00 | 52.00 |
| MAXIMUM | | | | | 0.012 | 0.050 | 0.400 | 0.007 | 0.454 | 0.486 | 0.386 | 0.820 | 260.00 | 52.00 |
| ARITH MEAN | | | | | 0.005 | 0.027L | 0.30 | 0.005 | 0.260 | 0.291 | 0.279 | 0.570 | 226 | 25 |
| GEOM MEAN | | | | | 0.004 | 0.022L | 0.30 | 0.004 | 0.245 | 0.278 | 0.275 | 0.559 | 225 | 21 |
| MINIMUM | | | | | 0.002 | 0.002< | 0.210 | 0.002 | 0.131 | 0.166 | 0.194 | 0.412 | 208.0 | 6.00 |
| STD DEV | | | | | 0.003 | 0.014L | 0.04 | 0.002 | 0.094 | 0.094 | 0.048 | 0.124 | 17 | 14 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 11 | 11 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FWPH | PHNOL | FEUT | COLAP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | COLOUR APPARENT HZU |
| 80 01 16 1020 | | | .3 | 1 | 205.000 | 315.0 | 24.00 | 20.500 | 29.500 | 8.05 | | 2.000 | | 15.000 |
| 80 03 11 1020 | | | .3 | 1 | 208.000 | 320.0 | 5.70 | 22.500 | 30.000 | 8.10 | | 1.000< | 0.260 | 18.000 |
| 80 03 24 1320 | | | .3 | 1 | 205.000 | 315.0 | 7.20 | 21.500 | 29.500 | 8.11 | | 1.000< | 0.360 | 2.000 |
| 80 04 30 1045 | | | .3 | 1 | 195.000 | 300.0 | 77.00 | 19.000 | | 7.98 | | 1.000< | | |
| 80 05 13 1155 | | | .3 | 1 | 215.000 | 330.0 | 13.00 | 21.000 | 32.000 | 8.14 | | 1.000< | 0.720 | 11.000 |
| 80 06 25 1130 | | | .3 | 1 | 198.000 | 305.0 | 15.00 | 21.000 | 28.500 | 8.14 | | 1.000< | 0.820 | 1.000 |
| 80 07 06 1910 | | | .3 | 1 | | 300.0 | | | | 8.46 | | | | |
| 80 07 07 0510 | | | .3 | 1 | | 300.0 | | | | 8.32 | | | | |
| 80 07 28 1240 | | | .3 | 1 | 189 | 290 | 11 | 20.5 | 29.5 | 8.44 | 7.9 | 1 | 0.76 | 15 |
| 80 08 26 1220 | | | .3 | 1 | 192 | 295 | 12 | 19.5 | 27.0 | 8.49 | 8.1 | 1 < | 0.74 | 5 |
| 80 09 15 1100 | | | .3 | 1 | 189 | 290 | 10 | 20.5 | 29.0 | 8.24 | 7.7 | 2 | 0.89 | 8 |
| 80 10 29 1105 | | | .3 | 1 | 202.000 | 310.0 | 20.00 | 20.000 | 27.500 | 8.20 | 7.8 | 1.000< | 1.100 | 70.000> |
| 80 11 26 1325 | | | .3 | 1 | 185.000 | 285.0 | 15.00 | 20.500 | 27.500 | 8.08 | 8.0 | 1.000< | 0.410 | 12.000 |
| 80 12 17 1445 | | | .3 | 1 | 208.000 | 320.0 | 28.00 | 20.500 | 30.000 | 7.97 | 8.1 | 1.000< | 1.900 | 3.000 |
| MAXIMUM | | | | | 215.000 | 330.0 | 77.00 | 22.500 | 32.000 | 8.49 | 8.1 | 2.000 | 1.900 | 70.000> |
| ARITH MEAN | | | | | 199 | 305 | 19 | 20.5 | 29.0 | 8.19 | 7.9 | 1 L | 0.79 | 14 G |
| GEOM MEAN | | | | | 199 | 305 | 15 | 20.5 | 29.0 | 8.19 | 7.9 | 1 L | 0.68 | 8 G |
| MINIMUM | | | | | 185.000 | 285.0 | 5.70 | 19.000 | 27.0 | 7.97 | 7.7 | 1.000< | 0.260 | 1.000 |
| STD DEV | | | | | 9 | 13 | 19 | 0.9 | 1.4 | 0.17 | 0.2 | 0 L | 0.48 | 19 G |
| NO OF SAMPLES | | | | | 12 | 14 | 12 | 12 | 11 | 14 | 6 | 12 | 10 | 11 |

| TEST-NAME: | | | | | COD | MNUT |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHEM. OX DEMAND MG/L AS O | MANGANSE UNF.TOT. MG/L AS MN |
| 80 01 16 1020 | | | .3 | 1 | 6 | |
| 80 03 11 1020 | | | .3 | 1 | 10< | 0.011 |
| 80 03 24 1320 | | | .3 | 1 | 44 | 0.014 |
| 80 05 13 1155 | | | .3 | 1 | 28 | 0.024 |
| 80 06 25 1130 | | | .3 | 1 | 26 | 0.025 |
| 80 07 28 1240 | | | .3 | 1 | 36 | 0.025 |
| 80 08 26 1220 | | | .3 | 1 | 10< | 0.022 |
| 80 09 15 1100 | | | .3 | 1 | 16 | 0.028 |
| 80 10 29 1105 | | | .3 | 1 | 10< | 0.032 |
| 80 11 26 1325 | | | .3 | 1 | 19 | 0.014 |
| 80 12 17 1445 | | | .3 | 1 | 12 | 0.056 |
| MAXIMUM | | | | | 44 | 0.056 |
| ARITH MEAN | | | | | 20L | 0.026 |
| GEOM MEAN | | | | | 17L | 0.023 |
| MINIMUM | | | | | 6< | 0.011 |
| STD DEV | | | | | 12L | 0.013 |
| NO OF SAMPLES | | | | | 11 | 10 |

B.O.W./ SITE: **TWENTY MILE CREEK**
SAMPLE POINT: **21 ST STREET LOUTH TOWNSHIP**
STATION TYPE: **RIVER FLOW GAUGE FED 02HA006**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TWENTY MILE CREEK**

STATION ID: **06-0024-001-02**
STORET CODE: **02**
**004**
**5040**

LAT:
LONG:
U T M: **17 0632150.0 4778780.0 4**
REGION: **02**
DISTANCE: **3.862**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P |
| 80 01 14 1140 | | | .3 | 1 | 28304 | 3 | 2.300 | 1260 | 2540 | 1.7 | 13.7 | 1.4 | 0.695 | 0.240 |
| 80 02 27 1550 | | | .3 | 1 | 28343 | 4 | 1.900 | 780 | 1000 | 1.0 | 13.4 | 4.6 | 0.345 | 0.160 |
| 80 03 19 1455 | | | .3 | 1 | 28405 | 3 | 13.000 | | | 3.0 | 14.6 | | 0.300 | |
| 80 03 24 1340 | | | .3 | 1 | 28410 | 3 | 17.400 | 580 | 6600 | 4.5 | 13.2 | 2.8 | 0.528 | 0.155 |
| 80 04 10 1220 | | | .3 | 1 | 28451 | 3 | 8.610 | | | 10.7 | 10.8 | | 0.345 | |
| 80 04 24 1650 | | | .3 | 1 | 28474 | 3 | 1.000 | 20< | 20< | 12.0 | | 2.4 | 0.192 | 0.079 |
| 80 05 21 0935 | | | .3 | 1 | 28536 | 6 | 0.681 | 40I | 300 | 15.0 | 10.5 | 1.0 | 0.170 | 0.115 |
| 80 06 10 0910 | | | .3 | 1 | 28558 | 6 | 1.110 | 1900 | 3200 | 11.5 | 10.4 | 1.4 | 0.185 | 0.089 |
| 80 07 06 1955 | | | .3 | 1 | 80004 | 7 | 0.054 | | | 25.0 | 14.4 | | 0.050 | 0.025 |
| 80 07 07 0530 | | | .3 | 1 | 80005 | 7 | 0.046 | | | 19.0 | 5.0 | | 0.054 | 0.025 |
| 80 07 28 1100 | | | .3 | 1 | 28603 | 6 | 0.200 | 230 | 260 | 21.5 | 6.8 | 1.0 | 0.096 | 0.061 |
| 80 08 26 1110 | | | .3 | 1 | 28641 | 6 | 0.006 | 40I | 80I | 23.5 | 8.1 | 0.8 | 0.076 | 0.035 |
| 80 09 23 1250 | | | .3 | 1 | 28680 | 6 0 | 0.025 | 428 | 564 | 20.0 | 10.2 | 1.4 | 0.042 | 0.025 |
| 80 10 29 1030 | | | .3 | 1 | 28728 | 3 | 0.875 | 1300 | 3200 | 6.0 | 10.2 | 3.8 | 0.605 | 0.300 |
| 80 11 26 1350 | | | .3 | 1 | 28777 | 6 | 0.177 | 4< | 20< | 6.0 | 13.8 | 0.6 | 0.044 | 0.029 |
| 80 12 17 1510 | | | .3 | 1 | 28823 | 4 | 0.370 | 40I | 40I | 1.0 | 12.8 | 1.8 | 0.228 | 0.150 |
| MAXIMUM | | | | | | | 17.400 | 1900 | 6600 | 25.0 | 14.6 | 4.6 | 0.695 | 0.300 |
| ARITH MEAN | | | | | | | 2.986 | 552L | 1485L | 11.3 | 11.2 | 1.9 | 0.247 | 0.106 |
| GEOM MEAN | | | | | | | 0.519 | 173L | 382L | 7.4 | 10.8 | 1.6 | 0.168 | 0.076 |
| MINIMUM | | | | | | | 0.006 | 4< | 20< | 1.0 | 5.0 | 0.6 | 0.042 | 0.025 |
| STD DEV | | | | | | | 5.266 | 634L | 2034L | 8.4 | 2.9 | 1.3 | 0.209 | 0.088 |
| NO OF SAMPLES | | | | | | | 16 | 12 | 12 | 16 | 15 | 12 | 16 | 14 |

| TEST-NAME: | | | | | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C |
| 80 01 14 1140 | | | .3 | 1 | 0.324 | | | | | | | 254.00 | 254.000 | 390.0 |
| 80 02 27 1550 | | | .3 | 1 | 1.460 | | | | | | | 21.00 | 378.00 | 520.0 |
| 80 03 19 1455 | | | .3 | 1 | | | | | | | | 355.00 | | 260.0 |
| 80 03 24 1340 | | | .3 | 1 | 0.329 | | | | | | | 98.00 | 189.000 | 290.0 |
| 80 04 10 1220 | | | .3 | 1 | | | | | | | | 71.00 | | 470.0 |
| 80 04 24 1650 | | | .3 | 1 | 0.010 | | | | | | | 19.00 | 420.00 | 540.0 |
| 80 05 21 0935 | | | .3 | 1 | 0.034 | | | | | | | 6.00 | 603.00 | 750 |
| 80 06 10 0910 | | | .3 | 1 | 0.104 | | | | | | | 20.00 | 552.00 | 750.0 |
| 80 07 06 1955 | | | .3 | 1 | 0.021 | 0.660 | 0.004 | 0.006 | 0.031 | 0.639 | 0.670 | | | 800.0 |
| 80 07 07 0530 | | | .3 | 1 | 0.025 | 0.690 | 0.003 | 0.007 | 0.035 | 0.665 | 0.700 | | | 850 |
| 80 07 28 1100 | | | .3 | 1 | 0.044 | | | | | | | 2.00 | 736.00 | 900.0 |
| 80 08 26 1110 | | | .3 | 1 | 0.058 | | | | | | | 5.00 | 535.00 | 700.0 |
| 80 09 23 1250 | | | .3 | 1 | 0.050 | | | | | | | 2 | 747 | 980 |
| 80 10 29 1030 | | | .3 | 1 | 0.316 | | | | | | | 37 | 442 | 660 |
| 80 11 26 1350 | | | .3 | 1 | 2.000 | | | | | | | 5.00 | 714.00 | |
| 80 12 17 1510 | | | .3 | 1 | 0.118 | | | | | | | 12.00 | 572.00 | |
| MAXIMUM | | | | | 2.000 | 0.690 | 0.004 | 0.007 | 0.035 | 0.665 | 0.700 | 355.00 | 747 | 980 |
| ARITH MEAN | | | | | 0.349 | 0.675 | 0.003 | 0.006 | 0.033 | 0.652 | 0.685 | 64 | 511 | 632 |
| GEOM MEAN | | | | | 0.107 | 0.675 | 0.003 | 0.006 | 0.033 | 0.652 | 0.685 | 19 | 475 | 589 |
| MINIMUM | | | | | 0.010 | 0.660 | 0.003 | 0.006 | 0.031 | 0.639 | 0.670 | 2.00 | 189.000 | 260.0 |
| STD DEV | | | | | 0.606 | 0.021 | 0.001 | 0.001 | 0.003 | 0.018 | 0.021 | 107 | 181 | 225 |
| NO OF SAMPLES | | | | | 14 | 2 | 2 | 2 | 2 | 2 | 2 | 14 | 12 | 14 |

| TEST-NAME: | | | | | ALKT | PH | FWPH | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 01 14 1140 | | | .3 | 1 | 75 | 7.49 | | 0.042 | 0.020 | 0.030 | 0.020 | 0.030< | 0.009 | 0.070 |
| 80 02 27 1550 | | | .3 | 1 | 89.0 | 7.90 | | 0.002 | 0.020< | 0.020< | 0.010 | 0.030< | 0.005 < | 0.020 |
| 80 03 19 1455 | | | .3 | 1 | 48.0 | | | | 0.030 | 0.020< | | 0.030< | | 0.060 |
| 80 03 24 1340 | | | .3 | 1 | 64.0 | 7.45 | | 0.001< | 0.040 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.040 |
| 80 04 10 1220 | | | .3 | 1 | 110.0 | | | | 0.020< | 0.020< | | 0.030< | | 0.030 |
| 80 04 24 1650 | | | .3 | 1 | 135.0 | 8.87 | | 0.001< | 0.020< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< |
| 80 05 21 0935 | | | .3 | 1 | 191.0 | 8.29 | | 0.001< | 0.070 | 0.020< | 0.040 | 0.030< | 0.005 < | 0.010< |
| 80 06 10 0910 | | | .3 | 1 | 146.0 | 8.20 | | 0.001 | 0.050 | | 0.010< | 0.030< | 0.005 < | 0.010 |
| 80 07 06 1955 | | | .3 | 1 | | 8.90 | | | | | | | | |
| 80 07 07 0530 | | | .3 | 1 | | 8.27 | | | | | | | | |
| 80 07 28 1100 | | | .3 | 1 | 139.0 | 8.03 | 7.5 | 0.001 | | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< |
| 80 08 26 1110 | | | .3 | 1 | 159.0 | 8.06 | 7.4 | 0.002 | 0.02 < | 0.001< | 0.002 | 0.005< | 0.0002< | 0.003 |
| 80 09 23 1250 | | | .3 | 1 | 142 | 8.20 | | 0.002 | 0.03 < | 0.002< | 0.004 | 0.003< | 0.0002< | 0.002 |
| 80 10 29 1030 | | | .3 | 1 | 102 | 7.81 | 7.8 | 0.001< | 0.05 | 0.006 | 0.006 | 0.003< | 0.0002< | 0.024 |
| 80 11 26 1350 | | | .3 | 1 | 169.0 | 8.32 | 8.4 | 0.005< | 0.040< | 0.002< | 0.004 | 0.004 | 0.0003 | 0.002 |
| 80 12 17 1510 | | | .3 | 1 | 134.0 | 8.04 | 8.15 | 0.001< | 0.040< | 0.002< | 0.004 | 0.003< | 0.0002< | 0.006 |
| MAXIMUM | | | | | 191.0 | 8.90 | 8.4 | 0.042 | 0.070 | 0.030 | 0.040 | 0.030 | 0.009 | 0.070 |
| ARITH MEAN | | | | | 121 | 8.13 | 7.8 | 0.006L | 0.03 L | 0.014L | 0.011L | 0.021L | 0.003 L | 0.021L |
| GEOM MEAN | | | | | 113 | 8.12 | 7.8 | 0.002L | 0.03 L | 0.009L | 0.008L | 0.014L | 0.001 L | 0.012L |
| MINIMUM | | | | | 48.0 | 7.45 | 7.4 | 0.001< | 0.020< | 0.001< | 0.002< | 0.003< | 0.0002< | 0.002< |
| STD DEV | | | | | 41 | 0.42 | 0.4 | 0.012L | 0.01 L | 0.010L | 0.010L | 0.013L | 0.003 L | 0.022L |
| NO OF SAMPLES | | | | | 14 | 14 | 5 | 12 | 13 | 13 | 12 | 14 | 12 | 14 |

| TEST-NAME: | | | | | P1PCBT |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PCB TOTAL UG/L |
| 80 01 14 1140 | | | .3 | 1 | 0.030 |
| 80 02 27 1550 | | | .3 | 1 | 0.020R |
| 80 03 19 1455 | | | .3 | 1 | 0.020R |
| 80 03 24 1340 | | | .3 | 1 | 0.020R |
| 80 04 10 1220 | | | .3 | 1 | 0.020R |
| 80 04 24 1650 | | | .3 | 1 | 0.020R |
| 80 05 21 0935 | | | .3 | 1 | 0.020R |
| 80 06 10 0910 | | | .3 | 1 | 0.020R |
| 80 07 28 1100 | | | .3 | 1 | 0.020R |
| 80 08 26 1110 | | | .3 | 1 | 0.020R |

(CONTD)

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **TWENTY MILE CREEK**
SAMPLE POINT: **21 ST STREET LOUTH TOWNSHIP**
STATION TYPE: **RIVER FLOW GAUGE FED 02HA006**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TWENTY MILE CREEK**

STATION ID: **06-0024-001-02**
STORET CODE: **02**
**004**
**5040**

LAT: LONG: U T M: **17 0632150.0 4778780.0 4** REGION: **02** DISTANCE: **3.862**

| | | | | | TEST-NAME: P1PCBT |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PCB TOTAL UG/L |
| 80 09 23 1250 | | | .3 | 1 | 0.020R |
| 80 10 29 1030 | | | 3 | 1 | 0.020R |
| 80 11 26 1350 | | | 3 | 1 | 0.020R |
| 80 12 17 1510 | | | .3 | 1 | 0.020R |
| MAXIMUM | | | | | |
| ARITH MEAN | | | | | |
| GEOM MEAN | | | | | |
| MINIMUM | | | | | |
| STD DEV | | | | | |
| NO OF SAMPLES | | | | | |

B.O.W./ SITE: **TWENTY MILE CREEK**
SAMPLE POINT: **FIRST BRIDGE DOWNSTREAM OF SMITHVILLE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TWENTY MILE CREEK**

STATION ID: **06-0024-002-02**
STORET CODE: **02**
**004**
**5040**

LAT: LONG: U T M: **17 0619070.0 4771750.0 4** REGION: **02** DISTANCE: **28.163**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 16 0940 | | | .3 | 1 | 28311 | 3 | 4800C | 88000 | 460 | 3000> | 2.1 | 10.7 | 1.2 | 0.355 |
| 80 03 11 0945 | | | .3 | 1 | 28348 | 3 | 43000C | 265000 | 880 | 15000> | 1.2 | 12.7 | 6.0 | 0.290 |
| 80 03 24 1415 | | | .3 | 1 | 28428 | 3 | 4800C | 27000 | 200 | 5000 | 3.5 | 11.6 | 2.4 | 0.400 |
| 80 04 30 0955 | | | 3 | 1 | 28481 | 3 | 25000 | 24000 | 1490 | 15000> | 9.5 | 7.4 | 3.4 | 0.290 |
| 80 05 13 0955 | | | 3 | 1 | 28528 | 6 | 4000I | 59000 | 520 | 600I | 12.0 | 7.7 | 1.2 | 0.185 |
| 80 06 25 1010 | | | 3 | 1 | 28572 | 6 | 600I | 17000 | 20I | 300 | 23.0 | 10.1 | 0.6 | 0.045 |
| 80 07 06 2040 | | | .3 | 1 | 80000 | 7 | | | | | 23.0 | 8.5 | | 0.059 |
| 80 07 07 0600 | | | 3 | 1 | 80001 | 7 | | | | | 17.0 | 3.8 | | 0.052 |
| 80 07 28 1020 | | | 3 | 1 | 28622 | 7 | 16000C | 640000 | 1600 | 1120 | 22.0 | 9.6 | 2.8 | 0.115 |
| 80 08 26 1030 | | | 3 | 1 | 28666 | 7 | | 62000 | 100I | 100I | 22.5 | 6.6 | 1.2 | 0.062 |
| 80 09 15 1010 | | | .3 | 1 | 28685 | 6 | 500 | 50000 | 140 | 530 | 16.2 | 9.4 | 1.2 | 0.078 |
| 80 10 29 0945 | | | .3 | 1 | 28742 | 3 | 7450C | 110000 | 810 | 1250 | 7.0 | 8.8 | 2.8 | 0.820 |
| 80 11 26 1425 | | | 3 | 1 | 28778 | 6 | 1200 | 4300 | 40I | 540 | 9.0 | 17.4 | 2.8 | 0.158 |
| 80 12 17 1545 | | | 3 | 1 | 28861 | 4 | | | | | 1.0 | 12.0 | 1.9 | 0.158 |
| MAXIMUM | | | | | | | 43000 | 640000 | 1600 | 15000> | 23.0 | 17.4 | 6.0 | 0.820 |
| ARITH MEAN | | | | | | | 10735 | 122391 | 569 | 3858G | 12.1 | 9.7 | 2.3 | 0.219 |
| GEOM MEAN | | | | | | | 4601 | 55104 | 282 | 1337G | 8.0 | 9.2 | 1.9 | 0.152 |
| MINIMUM | | | | | | | 500 | 4300 | 20 | 100 | 1.0 | 3.8 | 0.6 | 0.045 |
| STD DEV | | | | | | | 13732 | 186100 | 566 | 5893G | 8.5 | 3.2 | 1.5 | 0.209 |
| NO OF SAMPLES | | | | | | | 10 | 11 | 11 | 11 | 14 | 14 | 12 | 14 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 16 0940 | | | 3 | 1 | 0.150 | 0.160 | 1.500 | 0.076 | 4.720 | 4.956 | 1.340 | 6.296 | 405.0 | 14.0 |
| 80 03 11 0945 | | | 3 | 1 | 0.092 | 0.780 | 2.880 | 0.055 | 1.740 | 2.575 | 2.100 | 4.675 | 399.0 | 35.0 |
| 80 03 24 1415 | | | 3 | 1 | 0.145 | 0.372 | 1.900 | 0.082 | 3.270 | 3.724 | 1.528 | 5.252 | 266.0 | 71.0 |
| 80 04 30 0955 | | | 3 | 1 | 0.089 | 0.450 | 2.150 | 0.064 | 2.440 | 2.954 | 1.700 | 4.654 | 353.0 | 67.0 |
| 80 05 13 0955 | | | 3 | 1 | 0.029 | 0.062 | 0.925 | 0.017 | 0.353 | 0.432 | 0.863 | 1.295 | 597.0 | 75.0 |
| 80 06 25 1010 | | | 3 | 1 | 0.011 | 0.012 | 0.760 | 0.002 | 0.008 | 0.022 | 0.748 | 0.770 | 750.0 | 1.0 |
| 80 07 06 2040 | | | 3 | 1 | 0.021 | 0.052 | 0.800 | 0.004 | 0.006 | 0.062 | 0.748 | 0.810 | | |
| 80 07 07 0600 | | | .3 | 1 | 0.011 | 0.023 | 0.800 | 0.002 | 0.003 | 0.028 | 0.777 | 0.805 | | |
| 80 07 28 1020 | | | 3 | 1 | 0.050 | 0.008 | 0.79 | 0.013 | 0.074 | 0.095 | 0.782 | 0.877 | 1207 | 6 |
| 80 08 26 1030 | | | 3 | 1 | 0.015 | 0.056 | 0.79 | 0.003 | 0.002 | 0.061 | 0.734 | 0.795 | 1944 | 5 |
| 80 09 15 1010 | | | 3 | 1 | 0.043 | 0.052 | 0.65 | 0.019 | 0.379 | 0.450 | 0.598 | 1.048 | 1104 | 5 |
| 80 10 29 0945 | | | 3 | 1 | 0.530 | 0.520 | 2.480 | 0.130 | 3.620 | 4.270 | 1.960 | 6.230 | 564.0 | 21.0 |
| 80 11 26 1425 | | | 3 | 1 | 0.052 | 0.066 | 1.350 | 0.010 | 0.320 | 0.396 | 1.284 | 1.680 | | |
| 80 12 17 1545 | | | 3 | 1 | 0.089 | 0.048 | 1.300 | 0.053 | 10.100 | 10.201 | 1.252 | 11.453 | 589.0 | 25.0 |
| MAXIMUM | | | | | 0.530 | 0.780 | 2.880 | 0.130 | 10.100 | 10.201 | 2.100 | 11.453 | 1944 | 75.0 |
| ARITH MEAN | | | | | 0.095 | 0.190 | 1.36 | 0.038 | 1.931 | 2.159 | 1.172 | 3.331 | 743 | 29 |
| GEOM MEAN | | | | | 0.052 | 0.083 | 1.20 | 0.018 | 0.241 | 0.519 | 1.081 | 2.136 | 628 | 16 |
| MINIMUM | | | | | 0.011 | 0.008 | 0.65 | 0.002 | 0.002 | 0.022 | 0.598 | 0.770 | 266.0 | 1.0 |
| STD DEV | | | | | 0.134 | 0.242 | 0.72 | 0.039 | 2.846 | 2.927 | 0.498 | 3.213 | 497 | 28 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 11 | 11 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 16 0940 | | | .3 | 1 | 391.0 | 440.0 | 160.00 | 31.000 | 7.39 | |
| 80 03 11 0945 | | | .3 | 1 | 364.0 | 491.0 | 34.00 | 63.000 | 7.22 | |
| 80 03 24 1415 | | | .3 | 1 | 195.000 | 300.0 | 175.00 | 19.500 | 7.51 | |
| 80 04 30 0955 | | | 3 | 1 | 286.000 | 440.0 | 45.00 | 21.500 | 7.55 | |
| 80 05 13 0955 | | | 3 | 1 | 522.0 | 800.0 | 48.00 | 68.000 | 8.12 | |
| 80 06 25 1010 | | | 3 | 1 | 749.0 | 950.0 | 1.80 | 79.000 | 8.38 | |
| 80 07 06 2040 | | | 3 | 1 | | 1600.0 | | | 8.26 | |
| 80 07 07 0600 | | | .3 | 1 | | 1550.0 | | | 7.78 | |
| 80 07 28 1020 | | | 3 | 1 | 1201 | 1500 | 3.9 | 278 | 8.08 | 7.6 |
| 80 08 26 1030 | | | 3 | 1 | 1939 | 2700 | 2.0 | 525 | 7.82 | 7.5 |
| 80 09 15 1010 | | | 3 | 1 | 1099 | 1600 | 2.1 | 221 | 8.00 | 7.25 |
| 80 10 29 0945 | | | 3 | 1 | 543.0 | 820.0 | 51.00 | 71.000 | 7.81 | 7.5 |
| 80 11 26 1425 | | | .3 | 1 | | 1240.0 | 15.00 | 136.000 | 7.52 | 8.8 |
| 80 12 17 1545 | | | .3 | 1 | 564.0 | 800.0 | 30.00 | 58.000 | 7.94 | 7.8 |

(CONTD)

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| MAXIMUM | | | | | 1939 | 2700 | 175.00 | 525 | 8.38 | 8.8 |
| ARITH MEAN | | | | | 713 | 1087 | 47.3 | 130 | 7.81 | 7.7 |
| GEOM MEAN | | | | | 578 | 913 | 18.2 | 80 | 7.81 | 7.7 |
| MINIMUM | | | | | 195.000 | 300.0 | 1.80 | 19.500 | 7.22 | 7.25 |
| STD DEV | | | | | 515 | 656 | 59.2 | 147 | 0.34 | 0.5 |
| NO OF SAMPLES | | | | | 11 | 14 | 12 | 12 | 14 | 6 |

STATION ID: 06-0024-004-02

B.O.W./ SITE: **TWENTY MILE CREEK**
SAMPLE POINT: **HIGHWAY 20 DOWNSTREAM OF SMITHVILLE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TWENTY MILE CREEK**

STORET CODE: **02**
**004**
**5130**

LAT: LONG: U T M: **17 0321100.0 4770400.0 4** REGION: **02** DISTANCE: **24.944**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 16 0950 | | | .3 | 1 | 28310 | 3 | 4500C | 86000 | 480 | 5500 | 1.2 | 12.2 | 1.2 | 0.400 |
| 80 03 11 0950 | | | .3 | 1 | 28349 | 3 | 70000 | 220000 | 960 | 9200 | 1.2 | 11.7 | 5.6 | 0.365 |
| 80 03 24 1410 | | | .3 | 1 | 28429 | 3 | 20000 | 110000 | 450 | 14000 | 4.2 | 11.1 | 2.4 | 0.440 |
| 80 04 30 1005 | | | .3 | 1 | 28480 | 3 | 23000 | 11000 | 1480 | 49000 | 9.5 | 7.5 | 5.2 | 0.525 |
| 80 05 13 1005 | | | .3 | 1 | 28529 | 3 | 500I | 13500 | 40I | 1000< | 13.0 | 7.2 | 0.8 | 0.050 |
| 80 06 25 1020 | | | .3 | 1 | 28573 | 6 | 1100 | 28000 | 100I | 100< | 25.0 | 6.5 | 1.8 | 0.198 |
| 80 07 06 2025 | | | .3 | 1 | 80002 | 7 | | | | | 24.5 | 7.9 | | 0.123 |
| 80 07 07 0555 | | | .3 | 1 | 80003 | 7 | | | | | 19.0 | 6.8 | | 0.196 |
| 80 07 28 1030 | | | .3 | 1 | 28623 | 7 | 10000 | 230000 | 1100 | 310 | 23.0 | 4.8 | 3.6 | 0.252 |
| 80 08 26 1040 | | | .3 | 1 | 28667 | 7 | 600 | 84000 | 20 | 120 | 24.0 | 7.9 | 2.0 | 0.220 |
| 80 09 15 1020 | | | .3 | 1 | 28686 | 6 | 6200C | 190000 | 1500 | 1800 | 17.0 | 2.2 | 6.2 | 0.378 |
| 80 10 29 0955 | | | .3 | 1 | 28743 | 3 | 14000 | 210000 | 1550 | 3250 | 5.0 | 8.5 | 3.0 | 0.570 |
| 80 11 26 1415 | | | .3 | 1 | 28779 | 6 | 8000I | 21000 | 300I | 600I | 6.0 | 11.1 | 4.0 | 0.202 |
| 80 12 17 1540 | | | .3 | 1 | 28860 | 4 | 2300 | 19000 | 100I | 40I | 1.2 | 10.5 | 2.2 | 0.252 |
| MAXIMUM | | | | | | | 70000 | 230000 | 1550 | 49000 | 25.0 | 12.2 | 6.2 | 0.570 |
| ARITH MEAN | | | | | | | 13350 | 101875 | 673 | 7077L | 12.4 | 8.3 | 3.2 | 0.298 |
| GEOM MEAN | | | | | | | 5498 | 61014 | 333 | 1273L | 7.8 | 7.7 | 2.7 | 0.255 |
| MINIMUM | | | | | | | 600 | 11000 | 20 | 40< | 1.2 | 2.2 | 0.8 | 0.050 |
| STD DEV | | | | | | | 19344 | 88111 | 609 | 13903L | 9.6 | 2.8 | 1.8 | 0.152 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 14 | 14 | 12 | 14 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 16 0950 | | | .3 | 1 | 0.170 | 0.174 | 1.730 | 0.081 | 4.420 | 4.675 | 1.556 | 6.231 | 283.0 | 16.0 |
| 80 03 11 0950 | | | .3 | 1 | 0.175 | 0.720 | 2.650 | 0.048 | 1.800 | 2.568 | 1.930 | 4.498 | 395.0 | 26.0 |
| 80 03 24 1410 | | | .3 | 1 | 0.140 | 0.372 | 2.100 | 0.083 | 2.920 | 3.375 | 1.728 | 5.103 | 317.0 | 132.0 |
| 80 04 30 1005 | | | .3 | 1 | 0.215 | 0.450 | 2.620 | 0.064 | 2.190 | 2.704 | 2.170 | 4.874 | 356.0 | 73.0 |
| 80 05 13 1005 | | | .3 | 1 | 0.031 | 0.068 | 0.650 | 0.017 | 0.353 | 0.438 | 0.582 | 1.020 | 461.0 | 7.0 |
| 80 06 25 1020 | | | .3 | 1 | 0.055 | 0.168 | 1.120 | 0.025 | 0.215 | 0.408 | 0.952 | 1.360 | 855.0 | 48.0 |
| 80 07 06 2025 | | | .3 | 1 | 0.037 | 0.025 | 0.930 | 0.002 | 0.008 | 0.035 | 0.905 | 0.940 | | |
| 80 07 07 0555 | | | .3 | 1 | 0.041 | 0.027 | 1.120 | 0.003 | 0.007 | 0.037 | 1.093 | 1.130 | | |
| 80 07 28 1030 | | | 3 | 1 | 0.062 | 0.344 | 2.30 | 0.365 | 4.53 | 5.239 | 1.956 | 7.195 | 678 | 75 |
| 80 08 26 1040 | | | 3 | 1 | 0.068 | 0.076 | 1.40 | 0.004 | 0.001 | 0.081 | 1.324 | 1.405 | 1081 | 24 |
| 80 09 15 1020 | | | 3 | 1 | 0.067 | 1.42 | 3.82 | 0.003 | 0.012 | 1.435 | 2.400 | 3.835 | 1078 | 32 |
| 80 10 29 0955 | | | 3 | 1 | 0.310 | 0.136 | 2.080 | 0.110 | 3.240 | 3.486 | 1.944 | 5.430 | 497.0 | 46.0 |
| 80 11 26 1415 | | | 3 | 1 | 0.073 | 0.194 | 1.550 | 0.023 | 1.100 | 1.317 | 1.356 | 2.673 | 914.0 | 66.0 |
| 80 12 17 1540 | | | 3 | 1 | 0.160 | 0.320 | 1.880 | 0.058 | 9.700 | 10.078 | 1.560 | 11.638 | 677.0 | 22.0 |
| MAXIMUM | | | | | 0.310 | 1.42 | 3.82 | 0.365 | 9.700 | 10.078 | 2.400 | 11.638 | 1081 | 132.0 |
| ARITH MEAN | | | | | 0.115 | 0.32 | 1.85 | 0.063 | 2.17 | 2.583 | 1.533 | 4.095 | 632 | 47 |
| GEOM MEAN | | | | | 0.090 | 0.18 | 1.68 | 0.025 | 0.35 | 0.976 | 1.435 | 3.074 | 571 | 38 |
| MINIMUM | | | | | 0.031 | 0.025 | 0.650 | 0.002 | 0.001 | 0.035 | 0.582 | 0.940 | 283.0 | 7.0 |
| STD DEV | | | | | 0.083 | 0.37 | 0.83 | 0.094 | 2.72 | 2.781 | 0.527 | 3.034 | 291 | 34 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 16 0950 | | | .3 | 1 | 267.000 | 410.0 | 180.00 | 28.500 | 7.40 | |
| 80 03 11 0950 | | | .3 | 1 | 369.0 | 478.0 | 32.00 | 46.000 | 7.32 | |
| 80 03 24 1410 | | | .3 | 1 | 185.000 | 285.0 | 180.00 | 19.500 | 7.46 | |
| 80 04 30 1005 | | | .3 | 1 | 283.000 | 435.0 | 63.00 | 22.000 | 7.49 | |
| 80 05 13 1005 | | | .3 | 1 | 454.0 | 700.0 | 4.70 | 39.500 | 8.07 | |
| 80 06 25 1020 | | | .3 | 1 | 807.0 | 950.0 | 33.00 | 86.000 | 7.94 | |
| 80 07 06 2025 | | | .3 | 1 | | 1250.0 | | | 8.25 | |
| 80 07 07 0555 | | | .3 | 1 | | 1250.0 | | | 7.93 | |
| 80 07 28 1030 | | | 3 | 1 | 603 | 750 | 43 | 63 | 7.70 | 7.2 |
| 80 08 26 1040 | | | .3 | 1 | 1057 | 1400 | 10 | 165 | 8.00 | 7.8 |
| 80 09 15 1020 | | | 3 | 1 | 1046 | 1600 | 12 | 208 | 7.47 | 6.9 |
| 80 10 29 0955 | | | .3 | 1 | 451.0 | 650.0 | 8.50 | 60.000 | 7.64 | 7.4 |
| 80 11 26 1415 | | | 3 | 1 | 848.0 | 1240.0 | 30.00 | 152.000 | 8.08 | 7.9 |
| 80 12 17 1540 | | | .3 | 1 | 655.0 | 920.0 | 34.00 | 76.000 | 7.73 | 7.7 |
| MAXIMUM | | | | | 1057 | 1600 | 180.00 | 208 | 8.25 | 7.9 |
| ARITH MEAN | | | | | 585 | 879 | 52 | 80 | 7.75 | 7.5 |
| GEOM MEAN | | | | | 510 | 781 | 29 | 61 | 7.74 | 7.5 |
| MINIMUM | | | | | 185.000 | 285.0 | 4.70 | 19.500 | 7.32 | 6.9 |
| STD DEV | | | | | 300 | 414 | 61 | 61 | 0.30 | 0.4 |
| NO OF SAMPLES | | | | | 12 | 14 | 12 | 12 | 14 | 6 |

B.O.W./ SITE **BRONTE CREEK**
SAMPLE POINT **HIGHWAY 2, BRONTE**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ONTARIO**
TERM STREAM **BRONTE CREEK**

STATION ID: **06-0080-001-02**
STORET CODE: **02**
**004**
**4430**

LAT LONG U T M **17 0604125.0 4804925.0 4** REGION **03** DISTANCE **0.844**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 23 1445 | | | 3 | 1 | 27208 | 4 | 110 | 1200 | 12 | 28 | 0.0 | 14.7 | 0.2 | 0.021 |
| 80 02 25 1400 | | | 3 | 1 | 27223 | 4 | 11000 | 29000 | 156 | 204 | 0.0 | 12.2 | 2.0 | 0.190 |
| 80 03 19 1410 | | | 3 | 1 | 27238 | 4 | 4500 | 19000 | 540 | 3000> | 0.0 | 12.2 | 7.4 | 0.100 |
| 80 04 08 1205 | | | 3 | 1 | 27253 | 8 | 200 | 900 | 20< | 100< | 6.5 | 12.1 | 0.4 | 0.019 |
| 80 05 27 1930 | | | 3 | 1 | 27268 | 8 | 800I | 18400 | 30I | 80I | 15.5 | 10.0 | 0.4 | 0.036 |
| 80 06 24 1015 | | | 3 | 1 | 27283 | 8 | 480C | 15200 | 10< | 80I | 23.5 | 6.6 | 0.6 | 0.016 |
| 80 07 24 1245 | | | 3 | 1 | 27298 | 8 | | | | | 19.8 | 6.9 | 0.4 | 0.043 |
| 80 08 27 1215 | | | 3 | 1 | 27313 | 8 | | 32000 | 140 | 130 | 25.5 | 7.4 | 1.2 | 0.029 |
| 80 09 24 1500 | | | 3 | 1 | 27328 | 8 | 1800 | 20500 | 400 | 390 | 17.0 | 8.9 | 0.5 | 0.032 |
| 80 10 28 1130 | | | 3 | 1 | 27343 | 8 | 1600 | 21000 | 80I | 170 | 4.5 | 11.2 | 0.8 | 0.013 |
| 80 11 27 1600 | | | 3 | 1 | 27358 | 8 | 540C | 6200 | 10I | 130 | 0.0 | 15.4 | 0.6 | 0.025 |
| 80 12 23 1120 | | | 3 | 1 | 27373 | 4 | 340 | 2860 | 4 | 272 | 0.0 | 13.6 | 0.5 | 0.025 |
| MAXIMUM | | | | | | | 11000 | 32000 | 540 | 3000> | 25.5 | 15.4 | 7.4 | 0.190 |
| ARITH MEAN | | | | | | | 2137 | 15115 | 127L | 4178 | 9.4 | 10.9 | 1.2 | 0.046 |
| GEOM MEAN | | | | | | | 860 | 9214 | 44L | 1708 | 4.6 | 10.5 | 0.7 | 0.033 |
| MINIMUM | | | | | | | 110 | 900 | 4< | 28< | 0.0 | 6.6 | 0.2 | 0.013 |
| STD DEV | | | | | | | 3378 | 10921 | 180L | 8638 | 10.2 | 3.0 | 2.0 | 0.051 |
| NO OF SAMPLES | | | | | | | 10 | 11 | 11 | 11 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 23 1445 | | | 3 | 1 | 0.008 | 0.032 | 0.490 | 0.004 | 1.450 | 1.486 | 0.458 | 1.944 | 382.0 | 9.0 |
| 80 02 25 1400 | | | 3 | 1 | 0.022 | 0.196 | 1.310 | 0.029 | 2.170 | 2.395 | 1.114 | 3.509 | 450.0 | 97.0 |
| 80 03 19 1410 | | | 3 | 1 | 0.077 | 0.380 | 2.700 | 0.040 | 1.610 | 2.030 | 2.320 | 4.350 | 494.0 | 292.0 |
| 80 04 08 1205 | | | 3 | 1 | 0.011 | 0.024 | 0.180 | 0.008 | 0.962 | 0.994 | 0.156 | 1.150 | 335.0 | 20.0 |
| 80 05 27 1930 | | | 3 | 1 | 0.001 | 0.032 | 0.530 | 0.011 | 1.040 | 1.083 | 0.498 | 1.581 | 379.0 | 20.0 |
| 80 06 24 1015 | | | 3 | 1 | 0.001 | 0.084 | 0.530 | 0.014 | 0.986 | 1.084 | 0.446 | 1.530 | 373.0 | 11.0 |
| 80 07 24 1245 | | | 3 | 1 | 0.008 | 0.094 | 0.600 | 0.022 | 0.764 | 0.880 | 0.506 | 1.386 | 356.0 | 19.0 |
| 80 08 27 1215 | | | 3 | 1 | 0.001 | 0.070 | 0.64 | 0.010 | 0.685 | 0.765 | 0.570 | 1.335 | 369 | 12 |
| 80 09 24 1500 | | | 3 | 1 | 0.005 | 0.074 | 0.52 | 0.011 | 0.854 | 0.939 | 0.446 | 1.385 | 312 | 19 |
| 80 10 28 1130 | | | 3 | 1 | 0.001< | 0.034 | 0.510 | 0.005 | 1.200 | 1.239 | 0.476 | 1.715 | 386.0 | 7.0 |
| 80 11 27 1600 | | | 3 | 1 | 0.001 | 0.044 | 0.500 | 0.003 | 1.400 | 1.447 | 0.455 | 1.903 | 413.0 | 18.0 |
| 80 12 23 1120 | | | 3 | 1 | 0.001 | 0.048 | 0.800 | 0.003 | 1.800 | 1.851 | 0.752 | 2.603 | 512.0 | 6.0 |
| MAXIMUM | | | | | 0.077 | 0.380 | 2.700 | 0.040 | 2.170 | 2.395 | 2.320 | 4.350 | 512.0 | 292.0 |
| ARITH MEAN | | | | | 0.011L | 0.093 | 0.77 | 0.013 | 1.243 | 1.349 | 0.683 | 2.033 | 396 | 44 |
| GEOM MEAN | | | | | 0.004L | 0.065 | 0.62 | 0.010 | 1.173 | 1.270 | 0.555 | 1.867 | 392 | 19 |
| MINIMUM | | | | | 0.001< | 0.024 | 0.180 | 0.003 | 0.685 | 0.765 | 0.156 | 1.150 | 312 | 6.0 |
| STD DEV | | | | | 0.022L | 0.102 | 0.66 | 0.011 | 0.462 | 0.509 | 0.563 | 0.880 | 60 | 81 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | PH | FWPH | ASUT | ALUT | CRUT | CUUT | PBUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'TY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB |
| 80 01 23 1445 | | | 3 | 1 | 540.0 | 5.20 | 28.000 | 8.01 | 7.8 | | | | | |
| 80 02 25 1400 | | | 3 | 1 | 560.0 | 2.80 | 44.000 | 7.95 | 8.0 | | | | | |
| 80 03 19 1410 | | | 3 | 1 | 310.0 | 150.00 | 27.500 | 7.65 | 7.5 | | | | | |
| 80 04 08 1205 | | | 3 | 1 | 490.0 | 12.00 | 25.500 | 8.27 | 8.1 | | | | | |
| 80 05 27 1930 | | | 3 | 1 | 550.0 | 13.00 | 26.500 | 8.54 | 7.95 | 0.001 | 0.830 | 0.020< | 0.010< | 0.030< |
| 80 06 24 1015 | | | 3 | 1 | 550.0 | 6.40 | 29.000 | 8.23 | 8.0 | | | | | |
| 80 07 24 1245 | | | 3 | 1 | 500.0 | 13.00 | 34.000 | 8.26 | 8.0 | | | | | |
| 80 08 27 1215 | | | 3 | 1 | 500 | 6.5 | 34.0 | 8.30 | 8.0 | | | | | |
| 80 09 24 1500 | | | 3 | 1 | 500 | 13 | 32.5 | 8.42 | 8.4 | | | | | |
| 80 10 28 1130 | | | 3 | 1 | 660.0 | 2.50 | 36.500 | 8.17 | 7.8 | 0.001< | 0.14 | 0.002< | 0.001< | 0.003< |
| 80 11 27 1600 | | | 3 | 1 | 630.0 | 4.80 | 34.500 | 8.34 | 7.6 | | | | | |
| 80 12 23 1120 | | | 3 | 1 | 760.0 | 2.20 | 42.500 | 8.19 | | | | | | |
| MAXIMUM | | | | | 760.0 | 150.00 | 44.000 | 8.54 | 8.4 | 0.001 | 0.830 | 0.020 | 0.010 | 0.030 |
| ARITH MEAN | | | | | 546 | 19 | 32.8 | 8.19 | 7.9 | 0.001L | 0.48 | 0.011L | 0.006L | 0.016L |
| GEOM MEAN | | | | | 534 | 7 | 32.3 | 8.19 | 7.9 | 0.001L | 0.34 | 0.006L | 0.003L | 0.009L |
| MINIMUM | | | | | 310.0 | 2.20 | 25.500 | 7.65 | 7.5 | 0.001< | 0.14 | 0.002< | 0.001< | 0.003< |
| STD DEV | | | | | 109 | 41 | 6.0 | 0.23 | 0.2 | 0.000L | 0.48 | 0.013L | 0.006L | 0.019L |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 11 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 05 27 1930 | | | 3 | 1 | 0.005 < | 0.010< | 0.060 | 0.020< |
| 80 10 28 1130 | | | 3 | 1 | 0.0002< | 0.002 | 0.002< | 0.002< |
| MAXIMUM | | | | | 0.005 | 0.010 | 0.060 | 0.020 |
| ARITH MEAN | | | | | 0.002 L | 0.006L | 0.031L | 0.011L |
| GEOM MEAN | | | | | 0.001 L | 0.004L | 0.011L | 0.006L |
| MINIMUM | | | | | 0.0002< | 0.002< | 0.002< | 0.002< |
| STD DEV | | | | | 0.003 L | 0.006L | 0.041L | 0.013L |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 |

B.O.W./ SITE: **BRONTE CREEK**
SAMPLE POINT: **APPLEBY LINE BURLINGTON**
STATION TYPE: **RIVER FLOW GAUGE FED 02HB011**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **BRONTE CREEK**

STATION ID: **06-0000-002-02**
STORET CODE: **02**
**004**
**4430**

LAT: LONG: U T M: **17 0594500.0 4808450.0 4** REGION: **03** DISTANCE: **14.000**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 23 1315 | | | .3 | 1 | 27205 | 8 | 2.450 | 80I | 340 | 4< | 4 | 0.0 | 14.2 | 0.2 |
| 80 02 25 1230 | | | .3 | 1 | 27220 | 4 | 0.660 | 1100 | 21000 | 132 | 140 | 0.0 | 13.3 | 1.4 |
| 80 03 19 1245 | | | .3 | 1 | 27235 | 8 | 8.600 | 2700 | 11900 | 310 | 1500> | 0.0 | 12.8 | 4.6 |
| 80 04 08 1100 | | | .3 | 1 | 27250 | 8 | 6.100 | 600I | 900 | 10I | 100< | 7.0 | 12.5 | 0.6 |
| 80 05 27 1350 | | | .3 | 1 | 27265 | 8 | 1.690 | 400C | 15500 | 80I | 50I | 14.5 | 11.2 | 0.4 |
| 80 06 24 1445 | | | .3 | 1 | 27280 | 8 | 0.940 | 500 | 11000 | 50I | 70I | 27.0 | 9.6 | 0.2 |
| 80 07 24 1405 | | | .3 | 1 | 27295 | 8 | 0.593 | | | | | 23.9 | 9.1 | 0.2 |
| 80 08 27 1500 | | | .3 | 1 | 27310 | 8 | 0.536 | 550 | 24500 | 60I | 140 | 28.0 | 8.3 | 0.8 |
| 80 09 24 1330 | | | .3 | 1 | 27325 | 8 | 0.703 | 1000 | 15000 | 120 | 50I | 15.0 | 11.3 | 0.9 |
| 80 10 28 1630 | | | .3 | 1 | 27340 | 8 | 1.170 | 280C | 6200 | 50I | 80I | 2.5 | 12.0 | 0.2< |
| 80 11 28 0910 | | | .3 | 1 | 27355 | 8 | 0.929 | 80I | 3800 | 20I | 40I | 0.0 | 13.6 | 0.4 |
| 80 12 22 1510 | | | .3 | 1 | 27370 | 4 | 1.160 | 320 | 840 | 4< | 8 | 0.0 | 12.9 | 0.6 |
| MAXIMUM | | | | | | | 8.600 | 2700 | 24500 | 310 | 1500> | 28.0 | 14.2 | 4.6 |
| ARITH MEAN | | | | | | | 2.128 | 692 | 10089 | 78L | 1988 | 9.8 | 11.7 | 0.9L |
| GEOM MEAN | | | | | | | 1.364 | 438 | 5311 | 37L | 628 | 4.5 | 11.6 | 0.6L |
| MINIMUM | | | | | | | 0.536 | 80 | 340 | 4< | 4< | 0.0 | 8.3 | 0.2< |
| STD DEV | | | | | | | 2.664 | 742 | 8390 | 89L | 4348 | 11.3 | 1.9 | 1.2L |
| NO OF SAMPLES | | | | | | | 12 | 11 | 11 | 11 | 11 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 23 1315 | | | .3 | 1 | 0.018 | 0.005 | 0.012 | 0.460 | 0.004 | 1.390 | 1.406 | 0.448 | 1.854 | 352.0 |
| 80 02 25 1230 | | | .3 | 1 | 0.058 | | | 0.820 | | | | | | 371.0 |
| 80 03 19 1245 | | | .3 | 1 | 0.193 | 0.057 | 0.350 | 1.550 | 0.034 | 1.720 | 2.104 | 1.200 | 3.304 | 315.0 |
| 80 04 08 1100 | | | .3 | 1 | 0.037 | 0.004 | 0.016 | 0.450 | 0.007 | 1.100 | 1.123 | 0.434 | 1.557 | 319.0 |
| 80 05 27 1350 | | | .3 | 1 | 0.015 | 0.004 | 0.012 | 0.540 | 0.008 | 1.320 | 1.340 | 0.528 | 1.868 | 386.0 |
| 80 06 24 1445 | | | .3 | 1 | 0.017 | 0.001 | 0.018 | 0.530 | 0.013 | 1.340 | 1.371 | 0.512 | 1.883 | 376.0 |
| 80 07 24 1405 | | | .3 | 1 | 0.019 | 0.004 | 0.034 | 0.470 | 0.008 | 1.640 | 1.682 | 0.436 | 2.118 | 384.0 |
| 80 08 27 1500 | | | .3 | 1 | 0.017 | 0.004 | 0.018 | 0.53 | 0.008 | 1.34 | 1.366 | 0.512 | 1.878 | 352 |
| 80 09 24 1330 | | | .3 | 1 | 0.012 | 0.001< | 0.016 | 0.49 | 0.002 | 1.25 | 1.268 | 0.474 | 1.742 | 307 |
| 80 10 28 1630 | | | .3 | 1 | 0.011 | 0.001 | 0.020 | 0.510 | 0.006 | 1.240 | 1.266 | 0.490 | 1.756 | 388.0 |
| 80 11 28 0910 | | | .3 | 1 | 0.010 | 0.001< | 0.008 | 0.410 | 0.002 | 1.700 | 1.710 | 0.402 | 2.112 | 417.0 |
| 80 12 22 1510 | | | .3 | 1 | 0.012 | 0.002 | 0.010 | 0.540 | 0.002 | 1.850 | 1.862 | 0.530 | 2.392 | 471.0 |
| MAXIMUM | | | | | 0.193 | 0.057 | 0.350 | 1.550 | 0.034 | 1.850 | 2.104 | 1.200 | 3.304 | 471.0 |
| ARITH MEAN | | | | | 0.035 | 0.008L | 0.047 | 0.60 | 0.009 | 1.44 | 1.500 | 0.542 | 2.042 | 369 |
| GEOM MEAN | | | | | 0.021 | 0.003L | 0.020 | 0.56 | 0.006 | 1.42 | 1.475 | 0.516 | 2.001 | 367 |
| MINIMUM | | | | | 0.010 | 0.001< | 0.008 | 0.410 | 0.002 | 1.100 | 1.123 | 0.402 | 1.557 | 307 |
| STD DEV | | | | | 0.052 | 0.016L | 0.101 | 0.31 | 0.009 | 0.24 | 0.299 | 0.222 | 0.474 | 46 |
| NO OF SAMPLES | | | | | 12 | 11 | 11 | 12 | 11 | 11 | 11 | 11 | 11 | 12 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 23 1315 | | | .3 | 1 | 7.0 | 345.0 | 520.0 | 22.500 | 8.26 | 7.7 |
| 80 02 25 1230 | | | .3 | 1 | 9.0 | 362.0 | 580.0 | 35.500 | 8.13 | 7.7 |
| 80 03 19 1245 | | | .3 | 1 | 55.0 | | 400.0 | 28.500 | 8.06 | 7.3 |
| 80 04 08 1100 | | | .3 | 1 | 17.0 | 302.0 | 480.0 | 23.500 | 8.35 | 7.75 |
| 80 05 27 1350 | | | .3 | 1 | 3.0 | 383.0 | 550.0 | 23.500 | 8.62 | 8.2 |
| 80 06 24 1445 | | | .3 | 1 | 5.0 | 371.0 | 550.0 | 25.500 | 8.56 | 8.0 |
| 80 07 24 1405 | | | .3 | 1 | 6.0 | 378.0 | 550.0 | 28.000 | 8.56 | 8.3 |
| 80 08 27 1500 | | | .3 | 1 | 6 | 346 | 495 | 27.5 | 8.56 | 8.05 |
| 80 09 24 1330 | | | .3 | 1 | 3 | 304 | 500 | 29.0 | 8.52 | 8.4 |
| 80 10 28 1630 | | | .3 | 1 | 2.0 | 386.0 | 660.0 | 32.500 | 8.41 | 8.2 |
| 80 11 28 0910 | | | .3 | 1 | 11.0 | 406.0 | 620.0 | 30.000 | 8.27 | |
| 80 12 22 1510 | | | .3 | 1 | 5.0 | 466.0 | 720.0 | 33.500 | 8.35 | |
| MAXIMUM | | | | | 55.0 | 466.0 | 720.0 | 35.500 | 8.62 | 8.4 |
| ARITH MEAN | | | | | 10 | 368 | 552 | 28.2 | 8.39 | 7.9 |
| GEOM MEAN | | | | | 6 | 365 | 546 | 28.0 | 8.39 | 7.9 |
| MINIMUM | | | | | 2.0 | 302.0 | 400.0 | 22.500 | 8.06 | 7.3 |
| STD DEV | | | | | 14 | 46 | 85 | 4.1 | 0.18 | 0.3 |
| NO OF SAMPLES | | | | | 12 | 11 | 12 | 12 | 12 | 10 |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./SITE: **MOUNTSBERG CREEK**
SAMPLE POINT: **AT COUNTY ROAD 10**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **BRONTE CREEK**

STATION ID: **06-0960-083-02**

STORET CODE: **02**
**04**
**406**

LAT LONG U.T.M.: **17 0578250.0 4810300.0 4** REGION: **02** DISTANCE: **43.812**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 23 1035 | | | 3 | 1 | 27212 | 8 | 100 | 250 | 4 | 8 | 0.5 | 12.2 | 0.2 | 0.007 |
| 80 02 25 1020 | | | 3 | 1 | 27227 | 8 | 410 | 1800 | 108 | 236 | 0.0 | 11.2 | 0.8 | 0.030 |
| 80 03 20 1020 | | | 3 | 1 | 27242 | 8 | 33100 | 9100 | 110 | 1500> | 0.0 | 11.8 | 3.6 | 0.078 |
| 80 04 08 1325 | | | 3 | 1 | 27257 | 8 | 400I | 1100 | 10< | 20< | 8.2 | 12.0 | 0.8 | 0.034 |
| 80 05 27 1620 | | | 3 | 1 | 27272 | 8 | 1200C | 89000 | 50I | 60I | 17.0 | 8.4 | | |
| 80 06 24 1415 | | | 3 | 1 | 27287 | 8 | 1600C | 31000 | 250 | 140 | 24.5 | 8.1 | 0.6 | 0.038 |
| 80 07 24 1100 | | | 3 | 1 | 27302 | 8 | | | | | 19.8 | 7.8 | 0.2 | 0.067 |
| 80 08 27 1100 | | | 3 | 1 | 27317 | 8 | 2200C | 36000 | 420 | 1500> | 23.5 | 5.7 | 1.8 | 0.080 |
| 80 09 24 0900 | | | 3 | 1 | 27332 | 8 | 1100 | 14000 | 310 | 3400 | 10.7 | 8.5 | 1.1 | 0.042 |
| 80 10 28 1000 | | | 3 | 1 | 27347 | 8 | 300 | 3500 | 10< | 70I | 3.0 | 10.8 | 0.6 | 0.039 |
| 80 11 27 1140 | | | 3 | 1 | 27362 | 8 | 140I | 5400 | 4 | 20 | 0.0 | 12.8 | 0.6 | 0.018 |
| 80 12 22 1310 | | | 3 | 1 | 27377 | 8 | 190 | 2120 | 10< | 30I | 1.5 | 12.8 | 1.4 | 0.075 |
| MAXIMUM | | | | | | | 33100 | 89000 | 420 | 3400> | 24.5 | 12.8 | 3.6 | 0.080 |
| ARITH MEAN | | | | | | | 3704 | 17570 | 117L | 6358 | 9.1 | 10.2 | 1.0 | 0.048 |
| GEOM MEAN | | | | | | | 701 | 6802 | 38L | 1238 | 4.3 | 9.9 | 0.8 | 0.038 |
| MINIMUM | | | | | | | 100 | 250 | 4< | 8< | 0.0 | 5.7 | 0.2 | 0.007 |
| STD DEV | | | | | | | 9774 | 28887 | 146L | 10828 | 9.7 | 2.4 | 1.0 | 0.025 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 12 | 12 | 11 | 11 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 23 1035 | | | 3 | 1 | 0.001< | 0.006 | 0.500 | 0.004 | 0.425 | 0.435 | 0.494 | 0.929 | 307.0 | 0.5 |
| 80 02 25 1020 | | | 3 | 1 | 0.010 | 0.334 | 0.860 | 0.020 | 0.850 | 1.204 | 0.526 | 1.730 | 372.0 | 2.0 |
| 80 03 20 1020 | | | 3 | 1 | 0.025 | 0.400 | 1.250 | 0.031 | 0.829 | 1.260 | 0.850 | 2.110 | 248.0 | 10.0 |
| 80 04 08 1325 | | | 3 | 1 | 0.008 | 0.045 | 0.560 | 0.013 | 0.327 | 0.385 | 0.515 | 0.900 | 230.0 | 2.0 |
| 80 06 24 1415 | | | 3 | 1 | 0.008 | 0.036 | 0.690 | 0.015 | 0.210 | 0.261 | 0.654 | 0.915 | 307.0 | 3.0 |
| 80 07 24 1100 | | | 3 | 1 | 0.022 | 0.036 | 0.950 | 0.033 | 0.476 | 0.545 | 0.914 | 1.459 | 307.0 | 7.0 |
| 80 08 27 1100 | | | 3 | 1 | 0.029 | 0.074 | 1.07 | 0.185 | 0.670 | 0.929 | 0.996 | 1.925 | 292 | 9 |
| 80 09 24 0900 | | | 3 | 1 | 0.014 | 0.034 | 0.90 | 0.019 | 0.276 | 0.329 | 0.865 | 1.195 | 267 | 7 |
| 80 10 28 1000 | | | 3 | 1 | 0.010 | 0.036 | 0.650 | 0.012 | 0.148 | 0.196 | 0.614 | 0.810 | 252.0 | 6.0 |
| 80 11 27 1140 | | | 3 | 1 | 0.002 | 0.024 | 0.600 | 0.004 | 0.091 | 0.119 | 0.576 | 0.695 | 303.0 | 4.0 |
| 80 12 22 1310 | | | 3 | 1 | 0.006 | 0.020 | 1.380 | 0.003 | 0.217 | 0.240 | 1.360 | 1.600 | 431.0 | 34.0 |
| MAXIMUM | | | | | 0.029 | 0.400 | 1.380 | 0.185 | 0.850 | 1.260 | 1.360 | 2.110 | 431.0 | 34.0 |
| ARITH MEAN | | | | | 0.012L | 0.086 | 0.85 | 0.031 | 0.411 | 0.537 | 0.760 | 1.297 | 301 | 7 |
| GEOM MEAN | | | | | 0.008L | 0.046 | 0.81 | 0.015 | 0.331 | 0.414 | 0.723 | 1.214 | 296 | 4 |
| MINIMUM | | | | | 0.001< | 0.006 | 0.500 | 0.003 | 0.091 | 0.119 | 0.494 | 0.695 | 230.0 | 0.5 |
| STD DEV | | | | | 0.008L | 0.136 | 0.28 | 0.052 | 0.267 | 0.407 | 0.267 | 0.481 | 57 | 9 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 23 1035 | | | 3 | 1 | 306.0 | 400.0 | 19.000 | 7.90 | 7.6 |
| 80 02 25 1020 | | | 3 | 1 | 370.0 | 590.0 | 17.500 | 7.80 | 8.1 |
| 80 03 20 1020 | | | 3 | 1 | 238.000 | 365.0 | 14.500 | 7.65 | 7.1 |
| 80 04 08 1325 | | | 3 | 1 | 228.000 | 350.0 | 14.500 | 8.06 | 7.7 |
| 80 05 27 1620 | | | 3 | 1 | | | | | 7.75 |
| 80 06 24 1415 | | | 3 | 1 | 304.0 | 480.0 | 19.500 | 8.25 | 7.8 |
| 80 07 24 1100 | | | 3 | 1 | 300.0 | 465.0 | 20.000 | 8.22 | 7.65 |
| 80 08 27 1100 | | | 3 | 1 | 283 | 435 | 19.0 | 7.99 | 7.7 |
| 80 09 24 0900 | | | 3 | 1 | 260 | 400 | 18.5 | 8.08 | 7.3 |
| 80 10 28 1000 | | | 3 | 1 | 246.0 | 450.0 | 16.500 | 7.94 | 7.15 |
| 80 11 27 1140 | | | 3 | 1 | 299.0 | 480.0 | 19.500 | 8.16 | 7.7 |
| 80 12 22 1310 | | | 3 | 1 | 397.0 | 620.0 | 27.000 | 8.25 | |
| MAXIMUM | | | | | 397.0 | 620.0 | 27.000 | 8.25 | 8.1 |
| ARITH MEAN | | | | | 293 | 466 | 18.6 | 8.03 | 7.6 |
| GEOM MEAN | | | | | 288 | 448 | 18.4 | 8.03 | 7.6 |
| MINIMUM | | | | | 228.000 | 350.0 | 14.500 | 7.65 | 7.1 |
| STD DEV | | | | | 52 | 84 | 3.3 | 0.19 | 0.3 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B O W / SITE: **MOUNTSBERG CREEK**
SAMPLE POINT: **AT HWY.401 ABOVE MOUNTSBERG RESERVOIR**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **BRONTE CREEK**

STATION ID: **06-0080-004-02**
STORET CODE: **02**
**004**
**4439**

LAT: LONG: U T M: **17 0575060.0 4813050.0 4** REGION: **02** DISTANCE: **48.246**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 23 1020 | | | 3 | 1 | 27213 | 8 | 230 | 1200 | 4< | 16 | 0.0 | 66.0 | 1.0 | 0.017 |
| 80 02 25 1005 | | | 3 | 1 | 27228 | 8 | 19000 | 220000 | 210 | 530 | 0.0 | 8.6 | 0.8 | 0.023 |
| 80 03 20 1100 | | | 3 | 1 | 27243 | 8 | 300I | 7900 | 40I | 620 | 0.0 | 10.8 | 2.8 | 0.058 |
| 80 04 08 1340 | | | 3 | 1 | 27258 | 8 | 330 | 790 | 10< | 10< | 9.5 | 11.8 | 0.6 | 0.045 |
| 80 05 27 1515 | | | 3 | 1 | 27273 | 8 | 400I | 23300 | 40I | 10< | 13.5 | 8.7 | | |
| 80 06 24 1405 | | | 3 | 1 | 27288 | 8 | 900C | 17500 | 30I | 70I | 22.5 | 8.0 | 0.4 | 0.053 |
| 80 07 24 1545 | | | 3 | 1 | 27303 | 8 | | | | | 22.0 | 7.4 | 0.2 | 0.096 |
| 80 08 27 1030 | | | 3 | 1 | 27318 | 8 | 1600 | 28000 | 600 | 1880 | 20.5 | 6.3 | 1.0 | 0.099 |
| 80 09 24 0845 | | | 3 | 1 | 27333 | 8 | 1500 | 13500 | 340 | 580 | 10.0 | 8.2 | 1.0 | 0.062 |
| 80 10 29 1100 | | | 3 | 1 | 27348 | 8 | 460 | 3400 | 10I | 180 | | | 1.0 | 0.023 |
| 80 11 27 1115 | | | 3 | 1 | 27263 | 8 | | | | | 0.0 | 11.1 | | |
| | | | | | 27363 | 8 | 40I | 1600 | 10I | 10< | 0.0 | 12.8 | 0.4 | 0.012 |
| 80 12 22 1245 | | | | | 27378 | 4 | 330 | 1350 | 4< | 28 | 0.0 | 6.1 | 0.6 | 0.020 |
| MAXIMUM | | | | | | | 19000 | 220000 | 600 | 1880 | 22.5 | 66.0 | 2.8 | 0.099 |
| ARITH MEAN | | | | | | | 2281 | 28958 | 118L | 358L | 8.2 | 13.8 | 0.9 | 0.046 |
| GEOM MEAN | | | | | | | 575 | 6963 | 32L | 86L | 3.9 | 10.4 | 0.7 | 0.037 |
| MINIMUM | | | | | | | 40 | 790 | 4< | 10< | 0.0 | 6.1 | 0.2 | 0.012 |
| STD DEV | | | | | | | 5569 | 64067 | 193L | 563L | 9.5 | 16.6 | 0.7 | 0.031 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 12 | 12 | 11 | 11 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 23 1020 | | | 3 | 1 | 0.006 | 0.030 | 0.400 | 0.005 | 4.340 | 4.375 | 0.370 | 4.745 | 358.0 | 1.0 |
| 80 02 25 1005 | | | 3 | 1 | 0.010 | 0.096 | 0.500 | 0.017 | 0.753 | 0.866 | 0.404 | 1.270 | 370.0 | 2.0 |
| 80 03 20 1100 | | | 3 | 1 | 0.020 | 0.226 | 0.850 | 0.021 | 0.689 | 0.936 | 0.624 | 1.560 | 250.0 | 6.0 |
| 80 04 08 1340 | | | 3 | 1 | 0.012 | 0.018 | 0.550 | 0.003 | 0.055 | 0.076 | 0.532 | 0.608 | 296.0 | 7.0 |
| 80 06 24 1405 | | | 3 | 1 | 0.026 | 0.028 | 0.600 | 0.008 | 0.067 | 0.101 | 0.574 | 0.675 | 356.0 | 2.0 |
| 80 07 24 1545 | | | 3 | 1 | 0.066 | 0.056 | 0.470 | 0.026 | 0.187 | 0.269 | 0.414 | 0.683 | 352.0 | 2.0 |
| 80 08 27 1030 | | | 3 | 1 | 0.072 | 0.042 | 0.39 | 0.011 | 0.164 | 0.217 | 0.348 | 0.565 | 360 | 1 < |
| 80 09 24 0845 | | | 3 | 1 | 0.043 | 0.034 | 0.46 | 0.011 | 0.179 | 0.224 | 0.426 | 0.650 | 323 | 3 |
| 80 10 29 1100 | | | 3 | 1 | 0.010 | 0.016 | 0.520 | 0.002 | 0.118 | 0.136 | 0.504 | 0.640 | 360.0 | 5.0 |
| | | | 3 | | 0.004 | 0.010 | 0.420 | 0.004 | 0.301 | 0.315 | 0.410 | 0.725 | 399.00 | 2.00 |
| 80 12 22 1245 | | | 3 | 1 | 0.011 | 0.084 | 0.620 | 0.009 | 0.676 | 0.769 | 0.536 | 1.305 | 438.0 | 3.0 |
| MAXIMUM | | | | | 0.072 | 0.226 | 0.850 | 0.026 | 4.340 | 4.375 | 0.624 | 4.745 | 438.0 | 7.0 |
| ARITH MEAN | | | | | 0.025 | 0.058 | 0.53 | 0.011 | 0.684 | 0.753 | 0.467 | 1.221 | 351 | 3 L |
| GEOM MEAN | | | | | 0.017 | 0.039 | 0.51 | 0.008 | 0.287 | 0.366 | 0.460 | 0.963 | 347 | 2 L |
| MINIMUM | | | | | 0.004 | 0.010 | 0.39 | 0.002 | 0.055 | 0.076 | 0.348 | 0.565 | 250.0 | 1.0 < |
| STD DEV | | | | | 0.024 | 0.062 | 0.13 | 0.008 | 1.240 | 1.242 | 0.090 | 1.216 | 49 | 2 L |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 23 1020 | | | 3 | 1 | 357.0 | 520.0 | 19.500 | 7.52 | 7.3 |
| 80 02 25 1005 | | | 3 | 1 | 368.0 | 610.0 | 15.000 | 7.65 | 7.7 |
| 80 03 20 1100 | | | 3 | 1 | 244.000 | 375.0 | 10.500 | 7.55 | 7.6 |
| 80 04 08 1340 | | | 3 | 1 | 289.0 | 460.0 | 19.500 | 7.93 | 7.7 |
| 80 05 27 1515 | | | 3 | 1 | | | | | 8.0 |
| 80 06 24 1405 | | | 3 | 1 | 354.0 | 550.0 | 15.500 | 8.11 | 7.9 |
| 80 07 24 1545 | | | 3 | 1 | 350.0 | 550.0 | 6.350 | 8.17 | 8.0 |
| 80 08 27 1030 | | | 3 | 1 | 360 | 550 | 7.20 | 8.07 | 7.8 |
| 80 09 24 0845 | | | 3 | 1 | 320 | 550 | 8.75 | 8.04 | 7.2 |
| 80 10 29 1100 | | | 3 | 1 | 359.0 | 620.0 | 20.500 | 8.00 | 7.3 |
| | | | 3 | | 397.00 | 640.0 | 20.500 | 7.96 | |
| 80 12 22 1245 | | | 3 | 1 | 435.0 | 680.0 | 23.500 | 7.99 | |
| MAXIMUM | | | | | 435.0 | 680.0 | 23.500 | 8.17 | 8.0 |
| ARITH MEAN | | | | | 348 | 555 | 15.18 | 7.91 | 7.6 |
| GEOM MEAN | | | | | 344 | 548 | 13.87 | 7.91 | 7.6 |
| MINIMUM | | | | | 244.000 | 375.0 | 6.350 | 7.52 | 7.2 |
| STD DEV | | | | | 50 | 85 | 6.06 | 0.23 | 0.3 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 10 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: BRONTE CREEK
SAMPLE POINT: AT PROGRESTON ROAD
STATION TYPE: RIVER FLOW GAUGE FED 02HB016

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ONTARIO
TERM STREAM: BRONTE CREEK

STATION ID: 06-0080-005-02

STORET CODE: 02
004
4430

LAT: LONG: U T M: 17 0584100.0 4805300.0 4 REGION: 02 DISTANCE: 29.480

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBX | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 31 1040 | | | .3 | 1 | 28313 | 4 | 0.570 | 100 | 1400 | 4< | 4< | 1.2 | 12.5 | 0.2 |
| 80 03 12 0940 | | | .3 | 1 | 28379 | 4 | 0.580 | 180C | 8000 | 12 | 600> | 1.0 | 14.2 | 0.4 |
| 80 03 27 0915 | | | .3 | 1 | 28436 | 6 | 2.970 | 800 | 4000 | 40I | 50I | 3.0 | 13.0 | 0.6 |
| 80 04 22 1005 | | | .3 | 1 | 28463 | 6 | 3.730 | 380C | 14000 | 24 | 20I | 10.5 | 9.4 | 0.8 |
| 80 05 08 0955 | | | .3 | 1 | 28511 | 6 | 2.290 | 270 | 5200 | 56 | 36 | 10.5 | 10.2 | 1.0 |
| 80 06 05 1005 | | | .3 | 1 | 28550 | 6 9 | 0.859 | 430C | 2750 | 80 | 76 | 16.5 | 7.6 | 0.6 |
| 80 07 08 1820 | | | .3 | 1 | 80105 | 6 | 0.410 | | | | | 25.0 | 7.5 | |
| 80 07 09 0355 | | | .3 | 1 | 80104 | 6 | 0.383 | | | | | 20.8 | 7.3 | |
| 80 07 17 0955 | | | .3 | 1 | 28605 | 6 9 | 0.348 | 280C | 12000 | 72 | 140 | 23.0 | 8.5 | 1.0 |
| 80 08 12 1005 | | | .3 | 1 | 28659 | 6 9 | 0.582 | 1000C | 56000 | 220 | 320 | 21.5 | 8.0 | 1.2 |
| 80 09 29 0945 | | | .3 | 1 | 28699 | 6 9 | 0.364 | 400I | 6700 | 20I | 20I | 10.5 | 13.2 | 5 |
| 80 10 21 1000 | | | .3 | 1 | 28760 | 6 | 0.586 | 200 | 4600 | 40I | 100 | 8.5 | 9.5 | 0.4 |
| 80 11 25 0920 | | | .3 | 1 | 28802 | 6 | 0.458 | 380 | 6200 | 70I | 10< | 5.0 | 11.1 | 0.2 |
| 80 12 18 0905 | | | .3 | 1 | 28848 | 4 | 0.680 | 220 | 2380 | 44 | 16 | 2.5 | 12.4 | 0.9 |
| MAXIMUM | | | | | | | 3.730 | 1000 | 56000 | 220 | 600> | 25.0 | 14.2 | 5 |
| ARITH MEAN | | | | | | | 1.068 | 387 | 10289 | 67L | 1188 | 11.4 | 10.3 | 1 |
| GEOM MEAN | | | | | | | 0.742 | 321 | 6118 | 38L | 468 | 7.6 | 10.1 | 0 |
| MINIMUM | | | | | | | 0.348 | 100 | 1400 | 4< | 4< | 1.0 | 7.3 | 0.2 |
| STD DEV | | | | | | | 1.097 | 283 | 14885 | 67L | 1788 | 8.6 | 2.4 | 1 |
| NO OF SAMPLES | | | | | | | 14 | 12 | 12 | 12 | 12 | 14 | 14 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 31 1040 | | | .3 | 1 | 0.020 | 0.010 | 0.042 | 0.550 | 0.003 | 1.000 | 1.045 | 0.508 | 1.553 | 359.0 |
| 80 03 12 0940 | | | .3 | 1 | 0.029 | 0.030 | 0.288 | 0.700 | 0.015 | 2.530 | 2.833 | 0.412 | 3.245 | 439.0 |
| 80 03 27 0915 | | | .3 | 1 | 0.030 | 0.008 | 0.094 | 0.630 | 0.013 | 1.090 | 1.197 | 0.536 | 1.733 | 278.0 |
| 80 04 22 1005 | | | .3 | 1 | 0.019 | 0.001 | 0.016 | 0.500 | 0.006 | 0.504 | 0.526 | 0.484 | 1.010 | 299.0 |
| 80 05 08 0955 | | | .3 | 1 | 0.025 | 0.009 | 0.052 | 0.570 | 0.008 | 0.732 | 0.792 | 0.518 | 1.310 | 320.0 |
| 80 06 05 1005 | | | .3 | 1 | 0.026 | 0.016 | 0.052 | 0.680 | 0.014 | 1.320 | 1.386 | 0.628 | 2.014 | 360.0 |
| 80 07 08 1820 | | | .3 | 1 | 0.026 | 0.002 | 0.022 | 0.600 | 0.015 | 1.630 | 1.667 | 0.578 | 2.245 | |
| 80 07 09 0355 | | | .3 | 1 | 0.029 | 0.002 | 0.036 | 0.610 | 0.016 | 1.630 | 1.682 | 0.574 | 2.256 | |
| 80 07 17 0955 | | | .3 | 1 | 0.036 | 0.011 | 0.05 | 0.490 | 0.022 | 1.730 | 1.802 | 0.440 | 2.242 | 401.00 |
| 80 08 12 1005 | | | .3 | 1 | 0.047 | 0.013 | 0.037 | 0.790 | 0.010 | 0.783 | 0.830 | 0.753 | 1.583 | 330.0 |
| 80 09 29 0945 | | | .3 | 1 | 0.012 | 0.010 | 0.024 | 0.63 | 0.006 | 1.24 | 1.270 | 0.606 | 1.876 | 318 |
| 80 10 21 1000 | | | .3 | 1 | 0.015 | 0.003 | 0.022 | 0.600 | 0.007 | 1.040 | 1.069 | 0.578 | 1.647 | 356.0 |
| 80 11 25 0920 | | | .3 | 1 | 0.008 | 0.001 | 0.046 | 0.470 | 0.005 | 1.400 | 1.451 | 0.424 | 1.875 | 365.0 |
| 80 12 18 0905 | | | .3 | 1 | 0.010 | 0.009 | 0.046 | 0.620 | 0.007 | 1.090 | 1.143 | 0.574 | 1.717 | 430.0 |
| MAXIMUM | | | | | 0.047 | 0.030 | 0.288 | 0.790 | 0.022 | 2.530 | 2.833 | 0.753 | 3.245 | 439.0 |
| ARITH MEAN | | | | | 0.024 | 0.009 | 0.06 | 0.60 | 0.010 | 1.28 | 1.336 | 0.544 | 1.879 | 364 |
| GEOM MEAN | | | | | 0.021 | 0.006 | 0.04 | 0.59 | 0.009 | 1.17 | 1.238 | 0.537 | 1.813 | 361 |
| MINIMUM | | | | | 0.008 | 0.001 | 0.016 | 0.470 | 0.003 | 0.504 | 0.526 | 0.412 | 1.010 | 278.0 |
| STD DEV | | | | | 0.011 | 0.008 | 0.06 | 0.08 | 0.005 | 0.51 | 0.564 | 0.091 | 0.631 | 49 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 31 1040 | | | .3 | 1 | 2.0 | 357.0 | 600.0 | 0.98 | 22.500 | 8.16 | |
| 80 03 12 0940 | | | .3 | 1 | 6.0 | 433.0 | 650.0 | 3.20 | 29.000 | 8.07 | |
| 80 03 27 0915 | | | .3 | 1 | 5.0 | 273.000 | 420.0 | 2.00 | 17.500 | 8.08 | |
| 80 04 22 1005 | | | .3 | 1 | 4.0 | 295.0 | 460.0 | 1.50 | 18.000 | 8.08 | |
| 80 05 08 0955 | | | .3 | 1 | 3.0 | 317.0 | 500.0 | 1.80 | 19.000 | 8.24 | |
| 80 06 05 1005 | | | .3 | 1 | 5.0 | 355.0 | 550.0 | 2.00 | 19.000 | 8.31 | |
| 80 07 08 1820 | | | .3 | 1 | | | 550.0 | | | 8.35 | 8.05 |
| 80 07 09 0355 | | | .3 | 1 | | | 550.0 | | | 8.29 | 8.35 |
| 80 07 17 0955 | | | .3 | 1 | 3.00 | 398.00 | 550.0 | 1.70 | 22.000 | 8.25 | 8.2 |
| 80 08 12 1005 | | | .3 | 1 | 6.0 | 324.0 | 490.0 | 3.00 | 20.000 | 8.32 | 8.4 |
| 80 09 29 0945 | | | .3 | 1 | 2 | 316 | 495 | 1.1 | 21.5 | 8.38 | 8.1 |
| 80 10 21 1000 | | | .3 | 1 | 0.9 | 355.0 | 570.0 | 0.70 | 23.500 | 8.11 | 7.2 |
| 80 11 25 0920 | | | .3 | 1 | 3.0 | 362.0 | 580.0 | 0.70 | 23.000 | 8.28 | 7.9 |
| 80 12 18 0905 | | | .3 | 1 | 4.0 | 426.0 | 670.0 | 2.00 | 28.000 | 8.13 | 7.8 |
| MAXIMUM | | | | | 6.0 | 433.0 | 670.0 | 3.20 | 29.000 | 8.38 | 8.4 |
| ARITH MEAN | | | | | 3 | 350 | 546 | 1.7 | 21.9 | 8.22 | 8.0 |
| GEOM MEAN | | | | | 3 | 347 | 541 | 1.6 | 21.6 | 8.22 | 7.9 |
| MINIMUM | | | | | 0.9 | 273.000 | 420.0 | 0.70 | 17.500 | 8.07 | 7.2 |
| STD DEV | | | | | 1 | 49 | 69 | 0.8 | 3.6 | 0.11 | 0.3 |
| NO OF SAMPLES | | | | | 12 | 12 | 14 | 12 | 12 | 14 | 8 |

SAMPLE INFORMATION SYSTEM — 1980 WATER QUALITY DATA — DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: INDIAN CREEK
SAMPLE POINT: AT TREMAINE ROAD SOUTH OF BRITANNIA ROAD
STATION TYPE: RIVER

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ONTARIO
TERM STREAM: BRONTE CREEK

STATION ID: 08-0080-006-02
STORET CODE: 02
004
4439

LAT: LONG: U T M: 17 0594050.0 4711650.0 4 REGION: 03 DISTANCE: 21.886

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 23 1300 | | 3 | 1 | 27214 | 4 | 140 | 2100 | 4 | 172 | 0.0 | 13.8 | 1.2 | 0.050 |
| 80 02 25 1215 | | 3 | 1 | 27229 | 4 | 12000 | 43000 | 108 | 412 | 0.0 | 12.5 | 4.0 | 0.193 |
| 80 03 19 1230 | | 3 | 1 | 27244 | 8 | 5100 | 24000 | 340 | 3000> | 0.0 | 12.0 | 6.8 | 0.285 |
| 80 04 08 1050 | | 3 | 1 | 27259 | 8 | 1500 | 3700 | 20I | 400I | 7.0 | 13.7 | 0.2 | 0.048 |
| 80 05 27 1345 | | 3 | 1 | 27274 | 8 | 1000C | 49000 | 380 | 10I | 16.5 | 12.0 | | |
| 80 06 24 1500 | | 3 | 1 | 27289 | 7 | 200C | 44000 | 50I | 60I | 29.0 | 9.9 | 0.4 | 0.022 |
| 80 07 24 1400 | | 3 | 1 | 27304 | 7 | | | | | 25.9 | 10.8 | 0.2 | 0.021 |
| 80 08 27 1315 | | 3 | 1 | 27319 | 8 | 400I | 2300 | 180 | 90I | 25.5 | 7.9 | 1.0 | 0.043 |
| 80 09 24 1315 | | 3 | 1 | 27334 | 8 | 100I | 17000 | 190 | 70I | 17.0 | 12.0 | 0.7 | 0.022 |
| 80 10 28 1615 | | 3 | 1 | 27349 | 8 | 560C | 14800 | 40I | 810 | 4.0 | 13.8 | 0.8 | 0.028 |
| 80 11 27 1500 | | 3 | 1 | 27364 | 7 | 5700 | 18000 | 210 | 150 | 0.0 | 16.7 | 0.8 | 0.028 |
| 80 12 22 1500 | | 3 | 1 | 27379 | 4 | 280 | 5040 | 10< | 1500< | 0.0 | 13.3 | 1.5 | 0.112 |
| MAXIMUM | | | | | | 12000 | 49000 | 380 | 3000> | 29.0 | 16.7 | 6.8 | 0.285 |
| ARITH MEAN | | | | | | 2463 | 20267 | 138L | 6076 | 10.4 | 12.4 | 1.6 | 0.077 |
| GEOM MEAN | | | | | | 806 | 12220 | 68L | 2208 | 4.8 | 12.2 | 0.9 | 0.060 |
| MINIMUM | | | | | | 100 | 2100 | 4< | 10< | 0.0 | 7.9 | 0.2 | 0.021 |
| STD DEV | | | | | | 3744 | 17678 | 132L | 9096 | 11.6 | 2.2 | 2.0 | 0.088 |
| NO OF SAMPLES | | | | | | 11 | 11 | 11 | 11 | 12 | 12 | 11 | 11 |

| TEST-NAME: | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 23 1300 | | 3 | 1 | 0.023 | 0.034 | 0.530 | 0.014 | 4.340 | 4.388 | 0.496 | 4.884 | 502.0 | 7.0 |
| 80 02 25 1215 | | 3 | 1 | 0.055 | 0.326 | 1.950 | 0.065 | 2.360 | 2.751 | 1.624 | 4.375 | 330.0 | 30.0 |
| 80 03 19 1230 | | 3 | 1 | 0.070 | 0.410 | 2.100 | 0.066 | 1.880 | 2.356 | 1.690 | 4.046 | 287.0 | 66.0 |
| 80 04 08 1050 | | 3 | 1 | 0.012 | 0.022 | 0.480 | 0.020 | 2.980 | 3.022 | 0.458 | 3.480 | 455.0 | 9.0 |
| 80 06 24 1500 | | 3 | 1 | 0.003 | 0.050 | 0.410 | 0.007 | 0.068 | 0.125 | 0.360 | 0.485 | 401.0 | 2.0 |
| 80 07 24 1400 | | 3 | 1 | 0.002 | 0.032 | 0.410 | 0.002 | 0.003 | 0.037 | 0.378 | 0.415 | 392.0 | 3.0 |
| 80 08 27 1315 | | 3 | 1 | 0.002 | 0.020 | 0.49 | 0.002 | 0.008 | 0.030 | 0.470 | 0.500 | 428 | 14 |
| 80 09 24 1315 | | 3 | 1 | 0.002 | 0.304 | 0.43 | 0.010 | 2.35 | 2.664 | 0.126 | 2.790 | 495 | 25 |
| 80 10 28 1615 | | 3 | 1 | 0.009 | 0.038 | 0.500 | 0.021 | 2.930 | 2.989 | 0.462 | 3.451 | 448.0 | 5.0 |
| 80 11 27 1500 | | 3 | 1 | 0.001< | 0.008 | 0.420 | 0.013 | 1.940 | 1.961 | 0.412 | 2.373 | 452.0 | 22.0 |
| 80 12 22 1500 | | 3 | 1 | 0.005 | 0.042 | 1.250 | 0.034 | 4.520 | 4.596 | 1.208 | 5.804 | 751.0 | 81.0 |
| MAXIMUM | | | | 0.070 | 0.410 | 2.100 | 0.066 | 4.520 | 4.596 | 1.690 | 5.804 | 751.0 | 81.0 |
| ARITH MEAN | | | | 0.017L | 0.117 | 0.81 | 0.023 | 2.12 | 2.286 | 0.699 | 2.964 | 449 | 24 |
| GEOM MEAN | | | | 0.007L | 0.064 | 0.66 | 0.014 | 0.62 | 0.966 | 0.541 | 2.126 | 436 | 13 |
| MINIMUM | | | | 0.001< | 0.008 | 0.410 | 0.002 | 0.003 | 0.030 | 0.126 | 0.415 | 287.0 | 2.0 |
| STD DEV | | | | 0.024L | 0.150 | 0.64 | 0.023 | 1.50 | 1.616 | 0.542 | 1.658 | 119 | 28 |
| NO OF SAMPLES | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 23 1300 | | 3 | 1 | 495.0 | 690.0 | 12.00 | 54.000 | 8.02 | 7.6 |
| 80 02 25 1215 | | 3 | 1 | 300.0 | 435.0 | 28.00 | 53.000 | 7.71 | 8.0 |
| 80 03 19 1230 | | 3 | 1 | | 340.0 | 54.00 | 42.500 | 7.47 | |
| 80 04 08 1050 | | 3 | 1 | 446.0 | 700.0 | 14.00 | 65.000 | 8.15 | 7.6 |
| 80 05 27 1345 | | 3 | 1 | | | | | | 8.1 |
| 80 06 24 1500 | | 3 | 1 | 399.0 | 600.0 | 2.30 | 64.000 | 8.20 | 7.75 |
| 80 07 24 1400 | | 3 | 1 | 387.0 | 600.0 | 2.60 | 39.000 | 8.45 | 8.25 |
| 80 08 27 1315 | | 3 | 1 | 414 | 650 | 4.6 | 90 | 8.21 | 8.15 |
| 80 09 24 1315 | | 3 | 1 | 470 | 550 | 1.5 | 52 | 8.47 | 8.5 |
| 80 10 28 1615 | | 3 | 1 | 443.0 | 800.0 | 6.60 | 75.500 | 8.32 | 8.0 |
| 80 11 27 1500 | | 3 | 1 | 430.0 | 740.0 | 3.80 | 64.000 | 8.25 | 6.7 |
| 80 12 22 1500 | | 3 | 1 | 670.0 | 1040.0 | 24.00 | 96.000 | 8.03 | |
| MAXIMUM | | | | 670.0 | 1040.0 | 54.00 | 96.000 | 8.47 | 8.5 |
| ARITH MEAN | | | | 446 | 649 | 13.9 | 63 | 8.12 | 7.8 |
| GEOM MEAN | | | | 437 | 624 | 7.7 | 60 | 8.11 | 7.8 |
| MINIMUM | | | | 300.0 | 340.0 | 1.5 | 39.000 | 7.47 | 6.7 |
| STD DEV | | | | 96 | 186 | 16.0 | 18 | 0.30 | 0.5 |
| NO OF SAMPLES | | | | 10 | 11 | 11 | 11 | 11 | 10 |

B.O.W./ SITE: **FOURTEEN MILE CREEK**
SAMPLE POINT: **AT QUEEN ELIZABETH WAY**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **MCCRANEY CREEK**

STATION ID: **06-0061-001-02**

STORET CODE: **02**
**[illegible]**
**[illegible]**

LAT: LONG: U T M: **17 0603020.0 4808225.0 4** REGION: **00** DISTANCE: **[illegible]**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 23 1415 | | | .3 | 1 | 27209 | 8 | 640C | 3800 | 4< | 36 | 0.0 | 13.8 | 0.2 | 0.068 |
| 80 02 25 1340 | | | .3 | 1 | 27224 | 8 | 27000 | 220000 | 452 | 532 | 0.0 | 12.6 | 4.2 | 0.283 |
| 80 03 19 1345 | | | .3 | 1 | 27239 | 8 | 13900 | 26000 | 20I | 2200 | 0.0 | 12.2 | 7.0 | 0.460 |
| 80 04 08 1220 | | | .3 | 1 | 27254 | 8 | 10< | 30 | 10< | 20I | 8.0 | 12.9 | 0.2 | 0.056 |
| 80 05 27 1915 | | | .3 | 1 | 27269 | 7 | 600I | 26700 | 30I | 220 | 15.5 | 11.6 | 0.2 | 0.016 |
| 80 06 24 1000 | | | .3 | 1 | 27284 | 7 | 650 | 1450 | 40I | 330 | 21.5 | 8.8 | 0.6 | 0.071 |
| 80 07 24 1230 | | | .3 | 1 | 27299 | 7 | | | | | 27.0 | 10.2 | 0.4 | 0.058 |
| 80 08 27 1200 | | | .3 | 1 | 27314 | 7 | 1200C | 50000 | 60I | 590 | 25.0 | 7.5 | 0.6 | 0.019 |
| 80 09 24 1445 | | | .3 | 1 | 27329 | 7 | 400I | 16500 | 50I | 190 | 17.5 | 11.7 | 0.4 | |
| 80 10 28 1110 | | | .3 | 1 | 27344 | 7 | 500 | 5200 | 10I | 80I | 5.5 | 11.6 | 0.2 | 0.027 |
| 80 11 28 0820 | | | .3 | 1 | 27359 | 7 | 40I | 3000 | 8 | 76 | 1.0 | 12.2 | 0.2 | 0.010 |
| 80 12 23 1110 | | | .3 | 1 | 27374 | 4 | 210 | 2700 | 4 | 280 | 0.0 | 10.1 | 0.4 | 0.018 |
| MAXIMUM | | | | | | | 27000 | 220000 | 452 | 2200 | 27.0 | 13.8 | 7.0 | 0.460 |
| ARITH MEAN | | | | | | | 4106L | 32307 | 63L | 414 | 10.1 | 11.3 | 1.2 | 0.099 |
| GEOM MEAN | | | | | | | 666L | 6501 | 21L | 190 | 4.9 | 11.1 | 0.5 | 0.048 |
| MINIMUM | | | | | | | 10< | 30 | 4< | 20 | 0.0 | 7.5 | 0.2 | 0.010 |
| STD DEV | | | | | | | 8602L | 64140 | 131L | 622 | 10.6 | 1.8 | 2.1 | 0.142 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 11 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 23 1415 | | | .3 | 1 | 0.039 | 0.044 | 0.530 | 0.012 | 2.640 | 2.696 | 0.486 | 3.182 | 495.0 | 5.0 |
| 80 02 25 1340 | | | .3 | 1 | 0.072 | 2.900 | 5.100 | 0.068 | 1.930 | 4.898 | 2.200 | 7.098 | 479.0 | 28.0 |
| 80 03 19 1345 | | | .3 | 1 | 0.105 | 1.090 | 3.250 | 0.063 | 1.390 | 2.543 | 2.160 | 4.703 | 416.0 | 121.0 |
| 80 04 08 1220 | | | .3 | 1 | 0.024 | 0.065 | 0.660 | 0.024 | 1.390 | 1.479 | 0.595 | 2.074 | 425.0 | 3.0 |
| 80 05 27 1915 | | | .3 | 1 | 0.002 | 0.024 | 0.410 | 0.028 | 0.607 | 0.659 | 0.386 | 1.045 | 473.0 | 1.0 |
| 80 06 24 1000 | | | .3 | 1 | 0.001 | 0.022 | 0.860 | 0.007 | 0.673 | 0.702 | 0.838 | 1.540 | 536.0 | 23.0 |
| 80 07 24 1230 | | | .3 | 1 | 0.002 | 0.056 | 0.600 | 0.008 | 0.075 | 0.139 | 0.544 | 0.683 | 551.0 | 25.0 |
| 80 08 27 1200 | | | .3 | 1 | 0.007 | 0.028 | 0.34 | 0.004 | 0.301 | 0.333 | 0.312 | 0.645 | 714 | 2 |
| 80 09 24 1445 | | | .3 | 1 | | | | | | | | | 508 | 2 |
| 80 10 28 1110 | | | .3 | 1 | 0.017 | 0.018 | 0.320 | 0.005 | 0.245 | 0.268 | 0.302 | 0.570 | 499.0 | 1.0 |
| 80 11 28 0820 | | | .3 | 1 | 0.003 | 0.002< | 0.240 | 0.002 | 0.063 | 0.067 | 0.238 | 0.305 | 574.0 | 3.0 |
| 80 12 23 1110 | | | .3 | 1 | 0.002 | 0.108 | 0.500 | 0.012 | 1.600 | 1.720 | 0.392 | 2.112 | 874.0 | 6.0 |
| MAXIMUM | | | | | 0.105 | 2.900 | 5.100 | 0.068 | 2.640 | 4.898 | 2.200 | 7.098 | 874.0 | 121.0 |
| ARITH MEAN | | | | | 0.026 | 0.386L | 1.18 | 0.021 | 0.992 | 1.409 | 0.768 | 2.178 | 546 | 18 |
| GEOM MEAN | | | | | 0.009 | 0.059L | 0.88 | 0.012 | 0.674 | 0.733 | 0.572 | 1.446 | 533 | 6 |
| MINIMUM | | | | | 0.001 | 0.002< | 0.240 | 0.002 | 0.063 | 0.067 | 0.238 | 0.305 | 416.0 | 1.0 |
| STD DEV | | | | | 0.034 | 0.869L | 1.55 | 0.023 | 0.853 | 1.488 | 0.717 | 2.097 | 129 | 33 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 12 | 12 |

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | PH | FWPH | ASUT | ALUT | CRUT | CUUT | PBUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURBIDITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB |
| 80 01 23 1415 | | | .3 | 1 | 600.0 | 12.00 | 75.000 | 8.04 | 7.6 | | | | | |
| 80 02 25 1340 | | | .3 | 1 | 730.0 | 21.00 | 120.000 | 7.74 | 7.5 | | | | | |
| 80 03 19 1345 | | | .3 | 1 | 425.0 | 62.00 | 70.000 | 7.45 | 7.1 | | | | | |
| 80 04 08 1220 | | | .3 | 1 | 650.0 | 12.00 | 70.000 | 8.22 | 7.6 | | | | | |
| 80 05 27 1915 | | | .3 | 1 | 700.0 | 1.30 | 66.000 | 8.42 | 8.0 | 0.001< | 0.020< | 0.020< | 0.010< | 0.030< |
| 80 06 24 1000 | | | .3 | 1 | 750.0 | 4.50 | 81.000 | 7.87 | 7.8 | | | | | |
| 80 07 24 1230 | | | .3 | 1 | 800.0 | 2.70 | 104.000 | 8.25 | 7.9 | | | | | |
| 80 08 27 1200 | | | .3 | 1 | 1100 | 1.2 | 402 | 7.60 | 7.5 | | | | | |
| 80 09 24 1445 | | | .3 | 1 | 850 | | | 8.24 | 8.2 | | | | | |
| 80 10 28 1110 | | | .3 | 1 | 1050.0 | 1.70 | 138.000 | 8.02 | 7.7 | 0.001< | 0.053 | 0.002< | 0.001< | 0.003< |
| 80 11 28 0820 | | | .3 | 1 | 960.0 | 0.70 | 104.000 | 8.10 | 7.2 | | | | | |
| 80 12 23 1110 | | | .3 | 1 | 1340.0 | 1.90 | 192.000 | 7.91 | | | | | | |
| MAXIMUM | | | | | 1340.0 | 62.00 | 402 | 8.42 | 8.2 | 0.001 | 0.053 | 0.020 | 0.010 | 0.030 |
| ARITH MEAN | | | | | 829 | 11.0 | 129 | 7.99 | 7.6 | 0.001L | 0.036L | 0.011L | 0.005L | 0.016L |
| GEOM MEAN | | | | | 786 | 4.2 | 109 | 7.98 | 7.6 | 0.001L | 0.033L | 0.006L | 0.003L | 0.009L |
| MINIMUM | | | | | 425.0 | 0.70 | 66.000 | 7.45 | 7.1 | 0.001< | 0.020< | 0.002< | 0.001< | 0.003< |
| STD DEV | | | | | 249 | 18.1 | 99 | 0.29 | 0.3 | 0.000L | 0.023L | 0.013L | 0.006L | 0.019L |
| NO OF SAMPLES | | | | | 12 | 11 | 11 | 12 | 11 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 05 27 1915 | | | .3 | 1 | 0.005 < | 0.010< | 0.040 | 0.020< |
| 80 10 28 1110 | | | .3 | 1 | 0.0002< | 0.001< | 0.002< | 0.002< |
| MAXIMUM | | | | | 0.005 | 0.010 | 0.040 | 0.020 |
| ARITH MEAN | | | | | 0.002 L | 0.006L | 0.021L | 0.011L |
| GEOM MEAN | | | | | 0.001 L | 0.003L | 0.009L | 0.006L |
| MINIMUM | | | | | 0.0002< | 0.001< | 0.002< | 0.002< |
| STD DEV | | | | | 0.003 L | 0.006L | 0.027L | 0.013L |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 |

B.O.W./ SITE: **OAKVILLE CREEK**
SAMPLE POINT: **HIGHWAY 2, OAKVILLE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **OAKVILLE CREEK**

STATION ID: **06-0063-001-02**
STORET CODE: **02**
**004**
**4340**

LAT:
LONG:
U T M: **17 0607500.0 4810600.0 4**
REGION: **03**
DISTANCE: **0.044**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 23 1500 | | | .3 | 1 | 27207 | 4 | 920 | 2100 | 40 | 176 | 0.0 | 14.0 | 0.2 | 0.053 |
| 80 02 25 1415 | | | .3 | 1 | 27222 | 4 | 9000I | 180000 | 508 | 552 | 0.0 | 12.6 | 4.4 | 0.188 |
| 80 03 20 0915 | | | .3 | 1 | 27237 | 4 | 8300 | 21000 | 2700 | 3000> | 0.0 | 13.8 | 6.0 | 0.610 |
| 80 04 08 1150 | | | .3 | 1 | 27252 | 8 | 1100 | 2300 | 80I | 100< | 8.0 | 11.4 | 0.5 | 0.060 |
| 80 05 27 1850 | | | .3 | 1 | 27267 | 8 | 1500C | 4300 | 120I | 80I | 16.0 | 9.6 | 0.5 | 0.042 |
| 80 06 24 1030 | | | .3 | 1 | 27282 | 8 | 500I | 14100 | 50I | 110 | 23.0 | 8.0 | 0.4 | 0.039 |
| 80 07 24 1315 | | | .3 | 1 | 27297 | 8 | | | | | 18.9 | 7.6 | 0.2 | 0.120 |
| 80 08 27 1240 | | | .3 | 1 | 27312 | 8 | 800I | 16000 | 160I | 40I | 25.0 | 7.2 | 1.2 | 0.033 |
| 80 09 24 1515 | | | .3 | 1 | 27327 | 8 | 4900C | 58000 | 880 | 210 | 17.0 | 8.2 | 1.0 | 0.019 |
| 80 10 28 1140 | | | .3 | 1 | 27342 | 8 | 7000C | 44000 | 430 | 440 | 4.5 | 11.4 | 1.2 | 0.039 |
| 80 11 27 1540 | | | .3 | 1 | 27357 | 8 | 700I | 4900 | 20I | 460 | 2.0 | 14.2 | 0.6 | 0.048 |
| 80 12 23 1145 | | | .3 | 1 | 27372 | 4 | 210 | 930 | 10< | 240 | 0.0 | 14.3 | 0.9 | 0.016 |
| MAXIMUM | | | | | | | 9000 | 180000 | 2700 | 3000> | 25.0 | 14.3 | 6.0 | 0.610 |
| ARITH MEAN | | | | | | | 3175 | 31603 | 454L | 4928 | 9.5 | 11.0 | 1.4 | 0.106 |
| GEOM MEAN | | | | | | | 1639 | 10679 | 137L | 2328 | 4.9 | 10.7 | 0.8 | 0.068 |
| MINIMUM | | | | | | | 210 | 930 | 10< | 40< | 0.0 | 7.2 | 0.2 | 0.016 |
| STD DEV | | | | | | | 3431 | 52595 | 793L | 8498 | 9.8 | 2.8 | 1.8 | 0.166 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 23 1500 | | | .3 | 1 | 0.030 | 0.066 | 0.590 | 0.008 | 1.840 | 1.914 | 0.524 | 2.438 | 420.0 | 6.0 |
| 80 02 25 1415 | | | .3 | 1 | 0.064 | 0.410 | 2.150 | 0.047 | 1.800 | 2.257 | 1.740 | 3.997 | 459.0 | 19.0 |
| 80 03 20 0915 | | | .3 | 1 | 0.100 | 0.810 | 2.950 | 0.067 | 1.130 | 2.007 | 2.140 | 4.147 | 378.0 | 173.0 |
| 80 04 08 1150 | | | .3 | 1 | 0.014 | 0.039 | 0.480 | 0.017 | 1.290 | 1.346 | 0.441 | 1.787 | 360.0 | 15.0 |
| 80 05 27 1850 | | | .3 | 1 | 0.002 | 0.056 | 0.520 | 0.013 | 0.337 | 0.406 | 0.464 | 0.870 | 343.0 | 16.0 |
| 80 06 24 1030 | | | .3 | 1 | 0.002 | 0.066 | 0.510 | 0.013 | 0.637 | 0.716 | 0.444 | 1.160 | 376.0 | 13.0 |
| 80 07 24 1315 | | | .3 | 1 | 0.016 | 0.314 | 1.300 | 0.021 | 0.545 | 0.880 | 0.986 | 1.866 | 355.0 | 21.0 |
| 80 08 27 1240 | | | .3 | 1 | 0.001 | 0.060 | 0.52 | 0.011 | 0.239 | 0.310 | 0.460 | 0.770 | 377 | 7 |
| 80 09 24 1515 | | | .3 | 1 | 0.014 | 0.114 | 0.23 | 0.026 | 0.299 | 0.439 | 0.116 | 0.555 | 304 | 15 |
| 80 10 28 1140 | | | .3 | 1 | 0.012 | 0.076 | 0.660 | 0.026 | 1.170 | 1.272 | 0.584 | 1.856 | 433.0 | 10.0 |
| 80 11 27 1540 | | | .3 | 1 | 0.002 | 0.042 | 0.520 | 0.006 | 1.190 | 1.238 | 0.478 | 1.716 | 400.0 | 24.0 |
| 80 12 23 1145 | | | .3 | 1 | 0.001 | 0.028 | 0.360 | 0.001 | 0.574 | 0.603 | 0.332 | 0.935 | 261.0 | 2.0 |
| MAXIMUM | | | | | 0.100 | 0.810 | 2.950 | 0.067 | 1.840 | 2.257 | 2.140 | 4.147 | 459.0 | 173.0 |
| ARITH MEAN | | | | | 0.021 | 0.173 | 0.89 | 0.021 | 0.921 | 1.116 | 0.726 | 1.841 | 372 | 28 |
| GEOM MEAN | | | | | 0.008 | 0.096 | 0.67 | 0.014 | 0.751 | 0.924 | 0.556 | 1.536 | 368 | 14 |
| MINIMUM | | | | | 0.001 | 0.028 | 0.23 | 0.001 | 0.239 | 0.310 | 0.116 | 0.555 | 261.0 | 2.0 |
| STD DEV | | | | | 0.031 | 0.234 | 0.83 | 0.019 | 0.561 | 0.668 | 0.606 | 1.182 | 64 | 46 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | PH | FWPH | ASUT | ALUT | CRUT | CUUT | PBUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB |
| 80 01 23 1500 | | | .3 | 1 | 620.0 | 6.80 | 53.000 | 8.21 | 7.4 | | | | | |
| 80 02 25 1415 | | | .3 | 1 | 710.0 | 6.00 | 110.000 | 7.86 | 7.3 | | | | | |
| 80 03 20 0915 | | | .3 | 1 | 315.0 | 120.00 | 38.000 | 7.61 | 6.9 | | | | | |
| 80 04 08 1150 | | | .3 | 1 | 550.0 | 14.00 | 43.500 | 8.20 | 8.2 | | | | | |
| 80 05 27 1850 | | | .3 | 1 | 490.0 | 14.00 | 35.500 | 8.47 | 8.0 | 0.001 | 0.770 | 0.020< | 0.010< | 0.030< |
| 80 06 24 1030 | | | .3 | 1 | 550.0 | 8.50 | 54.000 | 8.19 | 8.0 | | | | | |
| 80 07 24 1315 | | | .3 | 1 | 500.0 | 31.00 | 51.500 | 8.09 | 7.9 | | | | | |
| 80 08 27 1240 | | | .3 | 1 | 600 | 4.2 | 70 | 8.24 | 8.0 | | | | | |
| 80 09 24 1515 | | | .3 | 1 | 500 | 13 | 61 | 8.20 | 8.05 | | | | | |
| 80 10 28 1140 | | | .3 | 1 | 680.0 | 9.00 | 94.500 | 8.15 | 8.3 | 0.001< | 0.34 | 0.20 | 0.001< | 0.003< |
| 80 11 27 1540 | | | .3 | 1 | 630.0 | 6.90 | 73.000 | 8.17 | 7.7 | | | | | |
| 80 12 23 1145 | | | .3 | 1 | 415.0 | 1.50 | 35.500 | 8.33 | | | | | | |
| MAXIMUM | | | | | 710.0 | 120.00 | 110.000 | 8.47 | 8.3 | 0.001 | 0.770 | 0.20 | 0.010 | 0.030 |
| ARITH MEAN | | | | | 546 | 19 | 59 | 8.14 | 7.8 | 0.001L | 0.56 | 0.11 L | 0.005L | 0.016L |
| GEOM MEAN | | | | | 534 | 10 | 56 | 8.14 | 7.7 | 0.001L | 0.51 | 0.06 L | 0.003L | 0.009L |
| MINIMUM | | | | | 315.0 | 1.50 | 35.500 | 7.61 | 6.9 | 0.001< | 0.34 | 0.020< | 0.001< | 0.003< |
| STD DEV | | | | | 112 | 32 | 23 | 0.22 | 0.4 | 0.000L | 0.30 | 0.12 L | 0.006L | 0.019L |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 11 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 05 27 1850 | | | .3 | 1 | 0.005< | 0.010< | 0.040 | 0.020< |
| 80 10 28 1140 | | | .3 | 1 | | 0.005 | 0.002< | 0.002< |
| MAXIMUM | | | | | 0.005 | 0.010 | 0.040 | 0.020 |
| ARITH MEAN | | | | | 0.005L | 0.007L | 0.021L | 0.011L |
| GEOM MEAN | | | | | | 0.007L | 0.009L | 0.006L |
| MINIMUM | | | | | 0.005< | 0.005< | 0.002< | 0.002< |
| STD DEV | | | | | | 0.004L | 0.027L | 0.013L |
| NO OF SAMPLES | | | | | 1 | 2 | 2 | 2 |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **OAKVILLE CREEK**
SAMPLE POINT: **SIDE ROAD 10 MILTON**
STATION TYPE: **RIVER FLOW GAUGE FED 02HB005**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **OAKVILLE CREEK**

STATION ID: **06-0063-002-02**
STORET CODE: **02**
**004**
**4340**

LAT: LONG: U T M: **17 0591850.0 4817300.0 4** REGION: **03** DISTANCE: **23.818**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 23 1250 | | | .3 | 1 | 27204 | 8 | 1.250 | 1400 | 5900 | 28 | 44 | 2.0 | 14.4 | 0.2 |
| 80 02 25 1140 | | | .3 | 1 | 27219 | 9 | 0.540 | 1900 | 2500 | 76 | 148 | 3.0 | 15.5 | 1.0 |
| 80 03 19 1210 | | | .3 | 1 | 27234 | 8 | 2.200 | 55000 | 79000 | 2500 | 1300 | 3.5 | 12.8 | 4.6 |
| 80 04 08 1035 | | | .3 | 1 | 27249 | 8 | 2.760 | 100 | 290 | 100I | 100< | 6.0 | 13.2 | 0.6 |
| 80 05 27 1320 | | | .3 | 1 | 27264 | 8 | 0.786 | 4250C | 55000 | 430 | 110 | 15.0 | 11.9 | 0.8 |
| 80 06 24 1115 | | | .3 | 1 | 27279 | 8 | 0.575 | 3000C | 39000 | 120 | 110 | 21.0 | 10.8 | 0.2 |
| 80 07 24 1415 | | | .3 | 1 | 27294 | 7 | 0.344 | | | | | 22.8 | 13.9 | 0.4 |
| 80 08 27 1330 | | | .3 | 1 | 27309 | 7 | 0.317 | 34000 | 230000 | 2400 | 720 | 25.0 | 12.9 | 1.2 |
| 80 09 24 1300 | | | .3 | 1 | 27324 | 7 | 0.402 | 25000C | 490000 | 770 | 2700 | 16.5 | 12.3 | 0.9 |
| 80 10 28 1600 | | | .3 | 1 | 27339 | 7 | 0.567 | 4200C | 26000 | 340 | 360 | 5.0 | 10.6 | 3.0 |
| 80 11 27 1430 | | | .3 | 1 | 27354 | 7 | 0.363 | 1600 | 5800 | 100I | 340 | 2.5 | 15.6 | 1.6 |
| 80 12 22 1435 | | | .3 | 1 | 27369 | 8 | 0.320 | 700 | 2860 | 100I | 60I | 2.0 | 12.5 | 7.0 |
| MAXIMUM | | | | | | | 2.760 | 55000 | 490000 | 2500 | 2700 | 25.0 | 15.6 | 7.0 |
| ARITH MEAN | | | | | | | 0.869 | 11923 | 85123 | 633 | 545L | 10.4 | 13.0 | 1.8 |
| GEOM MEAN | | | | | | | 0.647 | 3419 | 17043 | 243 | 239L | 6.8 | 13.0 | 1.0 |
| MINIMUM | | | | | | | 0.317 | 100 | 290 | 28 | 44< | 2.0 | 10.6 | 0.2 |
| STD DEV | | | | | | | 0.806 | 16154 | 149947 | 924 | 809L | 9.0 | 1.6 | 2.1 |
| NO OF SAMPLES | | | | | | | 12 | 11 | 11 | 11 | 11 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 23 1250 | | | .3 | 1 | 0.059 | 0.032 | 0.018 | 0.450 | 0.005 | 1.950 | 1.973 | 0.432 | 2.405 | 407.0 |
| 80 02 25 1140 | | | .3 | 1 | 0.107 | | | 0.520 | | | | | | 486.0 |
| 80 03 19 1210 | | | .3 | 1 | 0.285 | 0.076 | 0.252 | 1.350 | 0.045 | 2.250 | 2.547 | 1.098 | 3.645 | 551.0 |
| 80 04 08 1035 | | | .3 | 1 | 0.063 | 0.036 | 0.029 | 0.430 | 0.008 | 1.150 | 1.187 | 0.401 | 1.588 | 341.0 |
| 80 05 27 1320 | | | .3 | 1 | 0.090 | 0.047 | 0.008 | 0.620 | 0.008 | 2.020 | 2.036 | 0.612 | 2.648 | 455.0 |
| 80 06 24 1115 | | | .3 | 1 | 0.062 | 0.001 | 0.020 | 0.530 | 0.009 | 2.590 | 2.619 | 0.510 | 3.129 | 463.0 |
| 80 07 24 1415 | | | .3 | 1 | 0.109 | 0.082 | 0.068 | 0.690 | 0.023 | 3.680 | 3.771 | 0.622 | 4.393 | 512.0 |
| 80 08 27 1330 | | | .3 | 1 | 0.177 | 0.116 | 0.222 | 0.68 | 0.102 | 2.65 | 2.974 | 0.458 | 3.432 | 537 |
| 80 09 24 1300 | | | .3 | 1 | 0.170 | 0.006 | 0.056 | 1.72 | 0.002 | 0.008 | 0.066 | 1.664 | 1.730 | 331 |
| 80 10 28 1600 | | | .3 | 1 | 0.088 | 0.023 | 0.074 | 1.200 | 0.225 | 2.100 | 2.399 | 1.126 | 3.525 | 520.0 |
| 80 11 27 1430 | | | .3 | 1 | 0.075 | 0.051 | 0.440 | 0.980 | 0.039 | 3.300 | 3.779 | 0.540 | 4.319 | 573.0 |
| 80 12 22 1435 | | | .3 | 1 | 0.490 | 0.024 | 0.910 | 2.780 | 0.078 | 2.570 | 3.558 | 1.870 | 5.428 | 978.0 |
| MAXIMUM | | | | | 0.490 | 0.116 | 0.910 | 2.780 | 0.225 | 3.680 | 3.779 | 1.870 | 5.428 | 978.0 |
| ARITH MEAN | | | | | 0.148 | 0.045 | 0.191 | 0.99 | 0.049 | 2.20 | 2.446 | 0.848 | 3.295 | 512 |
| GEOM MEAN | | | | | 0.117 | 0.027 | 0.077 | 0.83 | 0.021 | 1.38 | 1.828 | 0.731 | 3.094 | 493 |
| MINIMUM | | | | | 0.059 | 0.001 | 0.008 | 0.430 | 0.002 | 0.008 | 0.066 | 0.401 | 1.588 | 331 |
| STD DEV | | | | | 0.126 | 0.035 | 0.274 | 0.69 | 0.067 | 0.99 | 1.128 | 0.519 | 1.166 | 165 |
| NO OF SAMPLES | | | | | 12 | 11 | 11 | 12 | 11 | 11 | 11 | 11 | 11 | 12 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 23 1250 | | | .3 | 1 | 16.0 | 391.0 | 610.0 | 46.000 | 8.24 | 7.6 |
| 80 02 25 1140 | | | .3 | 1 | 5.0 | 481.0 | 800.0 | 90.000 | 8.29 | 8.1 |
| 80 03 19 1210 | | | .3 | 1 | 118.0 | 433.0 | 690.0 | 87.000 | 8.23 | 8.4 |
| 80 04 08 1035 | | | .3 | 1 | 6.0 | 335.0 | 540.0 | 36.500 | 8.22 | 7.5 |
| 80 05 27 1320 | | | .3 | 1 | 5.0 | 450.0 | 700.0 | 63.000 | 8.47 | 8.1 |
| 80 06 24 1115 | | | .3 | 1 | 13.0 | 450.0 | 700.0 | 69.000 | 8.34 | 7.75 |
| 80 07 24 1415 | | | .3 | 1 | 4.0 | 508.0 | 750.0 | 87.500 | 8.65 | 8.4 |
| 80 08 27 1330 | | | .3 | 1 | 7 | 530 | 800 | 98 | 8.46 | 9.2 |
| 80 09 24 1300 | | | .3 | 1 | 6 | 325 | 600 | 62 | 8.45 | 8.1 |
| 80 10 28 1600 | | | .3 | 1 | 58.0 | 462.0 | 840.0 | 84.000 | 8.12 | 7.8 |
| 80 11 27 1430 | | | .3 | 1 | 15.0 | 558.0 | 960.0 | 130.000 | 8.21 | 7.35 |
| 80 12 22 1435 | | | .3 | 1 | 437.0 | 541.0 | 920.0 | 114.000 | 7.75 | |
| MAXIMUM | | | | | 437.0 | 558.0 | 960.0 | 130.000 | 8.65 | 9.2 |
| ARITH MEAN | | | | | 57 | 455 | 742 | 80 | 8.29 | 8.0 |
| GEOM MEAN | | | | | 15 | 449 | 732 | 76 | 8.28 | 8.0 |
| MINIMUM | | | | | 4.0 | 325 | 540.0 | 36.500 | 7.75 | 7.35 |
| STD DEV | | | | | 124 | 75 | 128 | 26 | 0.22 | 0.5 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 11 |

B.O.W./ SITE: **MIDDLE OAKVILLE CREEK**
SAMPLE POINT: **HWY.25 1.8 MILES SOUTH OF SCOTCH BLOCK**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **OAKVILLE CREEK**

STATION ID: **06-0063-003-02**
STORET CODE: **02**
**004**
**4340**

LAT: LONG: U T M: **17 0586000.0 4822350.0 4** REGION: **03** DISTANCE: **42.400**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 23 1130 | | .3 | 1 | 27203 | 8 | 2100C | 41000 | 12 | 156 | 0.0 | 13.6 | 0.068 | 0.108 |
| 80 02 25 1120 | | .3 | 1 | 27218 | 8 | 1400 | 6100 | 56 | 100 | 0.0 | 12.8 | 0.068 | 0.710 |
| 80 03 19 1130 | | .3 | 1 | 27233 | 8 | 200I | 1100 | 10< | 760 | 0.0 | 12.8 | 0.150 | 0.280 |
| 80 04 08 0940 | | .3 | 1 | 27248 | 8 | 1700 | 5900 | 4 | 20I | 3.8 | 12.8 | 0.083 | 0.188 |
| 80 05 27 1150 | | .3 | 1 | 27263 | 8 | 420C | 6000 | 32 | 32 | 12.5 | 11.4 | 0.030 | 0.008 |
| 80 06 24 1315 | | .3 | 1 | 27278 | 8 | 960C | 14000 | 68 | 92 | 22.0 | 9.2 | 0.037 | 0.030 |
| 80 07 24 1430 | | .3 | 1 | 27293 | 8 | | | | | 19.4 | 8.6 | 0.026 | 0.034 |
| 80 08 27 1415 | | .3 | 1 | 27308 | 8 | 2100 | 16000 | 280 | 320 | 23.5 | 7.8 | 0.024 | 0.006 |
| 80 09 24 1050 | | .3 | 1 | 27323 | 8 | 2100C | 34000 | 280 | 520 | 11.5 | 9.3 | 0.022 | 0.048 |
| 80 10 28 1400 | | .3 | 1 | 27338 | 8 | 320 | 2900 | 20I | 10I | 5.0 | 10.4 | 0.023 | 0.044 |
| 80 11 27 1220 | | .3 | 1 | 27353 | 7 | 40I | 880 | 10< | 30I | 1.0 | 16.0 | 0.009 | 0.020 |
| 80 12 22 1350 | | .3 | 1 | 27368 | 8 | 510 | 1120 | 8 | 4 | 0.0 | 13.5 | 0.023 | 0.062 |
| | MAXIMUM | | | | | 2100 | 41000 | 280 | 760 | 23.5 | 16.0 | 0.150 | 0.710 |
| | ARITH MEAN | | | | | 1077 | 11727 | 71L | 188 | 8.2 | 11.5 | 0.047 | 0.128 |
| | GEOM MEAN | | | | | 667 | 5714 | 28L | 68 | 4.2 | 11.3 | 0.036 | 0.053 |
| | MINIMUM | | | | | 40 | 880 | 4< | 4 | 0.0 | 7.8 | 0.009 | 0.006 |
| | STD DEV | | | | | 828 | 13769 | 106L | 248 | 9.2 | 2.5 | 0.040 | 0.201 |
| | NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | COND25 | PH | FWPH |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | PH | PH FIELD |
| 80 01 23 1130 | | .3 | 1 | 495.0 | 8.01 | 7.4 |
| 80 02 25 1120 | | .3 | 1 | 640.0 | 8.15 | 8.0 |
| 80 03 19 1130 | | .3 | 1 | | 8.13 | 7.7 |
| 80 04 08 0940 | | .3 | 1 | 425.0 | 8.02 | 7.3 |
| 80 05 27 1150 | | .3 | 1 | 500.0 | 8.40 | 7.45 |
| 80 06 24 1315 | | .3 | 1 | 500.0 | 8.30 | 7 85 |
| 80 07 24 1430 | | .3 | 1 | 500.0 | 8.41 | 8 2 |
| 80 08 27 1415 | | .3 | 1 | 500 | 8.41 | 7.7 |
| 80 09 24 1050 | | .3 | 1 | | 8.14 | 8.0 |
| 80 10 28 1400 | | .3 | 1 | 520.0 | 8.28 | 7.55 |
| 80 11 27 1220 | | .3 | 1 | 580.0 | 8.26 | 8.3 |
| 80 12 22 1350 | | .3 | 1 | 620.0 | 8.32 | |
| | MAXIMUM | | | 640.0 | 8.41 | 8.3 |
| | ARITH MEAN | | | 528 | 8.23 | 7.7 |
| | GEOM MEAN | | | 524 | 8.23 | 7.7 |
| | MINIMUM | | | 425.0 | 8.01 | 7.3 |
| | STD DEV | | | 66 | 0.14 | 0.3 |
| | NO OF SAMPLES | | | 10 | 12 | 11 |

B.O.W./ SITE: **OAKVILLE CREEK**
SAMPLE POINT: **AT COUNTY ROAD 9 HILTON FALLS**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **OAKVILLE CREEK**

STATION ID: **06-0063-008-02**
STORET CODE: **02**
**006**
**4340**

LAT: LONG: U T M: **17 0584200.0 4817500.0 4** REGION: **03** DISTANCE: **32.500**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 23 1050 | | .3 | 1 | 27200 | 8 | 70I | 900 | 4 | 12 | 1.0 | 13.2 | 0.029 | 0.010 |
| 80 02 25 1035 | | .3 | 1 | 27215 | 8 | 210 | 270 | 8 | 16 | 2.0 | 12.9 | 0.027 | 0.024 |
| 80 03 19 1045 | | .3 | 1 | 27230 | 8 | 370 | 210 | 4 | 16 | 2.0 | 12.8 | 0.018 | 0.020 |
| 80 04 08 0910 | | .3 | 1 | 27245 | 8 | 160 | 1200 | 4< | 4< | 2.2 | 14.8 | 0.031 | 0.031 |
| 80 05 27 1115 | | .3 | 1 | 27260 | 8 | 650C | 4600 | 40 | 28 | 12.0 | 11.4 | 0.038 | 0.036 |
| 80 06 24 1330 | | .3 | 1 | 27275 | 8 | 360C | 28000 | 108 | 92 | 20.5 | 9.2 | 0.026 | 0.022 |
| 80 07 24 1515 | | .3 | 1 | 27290 | 8 | | | | | 17.0 | 8.0 | 0.018 | 0.026 |
| 80 08 27 1440 | | .3 | 1 | 27305 | 8 | 4200C | 28000 | 430 | 400 | 20.5 | 6.4 | 0.021 | 0.002< |
| 80 09 24 1030 | | .3 | 1 | 27320 | 8 | 1300 | 15000 | 30I | 3400 | 9.0 | 10.1 | 0.034 | 0.160 |
| 80 10 29 1215 | | .3 | 1 | 27335 | 8 | 380C | 6500 | 20I | 570 | | | 0.017 | 0.022 |
| 80 11 27 1200 | | .3 | 1 | 27350 | 8 | 300I | 3900 | 50I | 120 | 5.0 | 12.8 | 0.015 | 0.018 |
| 80 12 22 1330 | | .3 | 1 | 27365 | 8 | 440 | 5200 | 8 | 4 | 1.6 | 12.3 | 0.034 | 0.018 |
| | MAXIMUM | | | | | 4200 | 28000 | 430 | 3400 | 20.5 | 14.8 | 0.038 | 0.160 |
| | ARITH MEAN | | | | | 787 | 8626 | 64L | 424L | 8.6 | 11.3 | 0.026 | 0.032L |
| | GEOM MEAN | | | | | 410 | 3256 | 20L | 64L | 6.1 | 11.0 | 0.025 | 0.021L |
| | MINIMUM | | | | | 70 | 210 | 4< | 4< | 1.0 | 6.4 | 0.015 | 0.002< |
| | STD DEV | | | | | 1186 | 10486 | 126L | 1006L | 7.8 | 2.5 | 0.008 | 0.041L |
| | NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 12 | 12 |

(CONTD)

B.O.W./ SITE: **OAKVILLE CREEK**
SAMPLE POINT: **AT COUNTY ROAD 9 MILTON FALLS**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **OAKVILLE CREEK**

STATION ID: **06-0063-008-02**
STORET CODE: **02 006 4340**

LAT:
LONG:
U T M: **17 0584200.0 4817500.0 4**
REGION: **03**
DISTANCE: **32.506**

| TEST-NAME: | | | | | COND25 | PH | FWPH |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | PH | PH FIELD |
| 80 01 23 1050 | | | .3 | 1 | 540.0 | 8.02 | 8.3 |
| 80 02 25 1035 | | | .3 | 1 | 590.0 | 8.03 | 8.4 |
| 80 03 19 1045 | | | .3 | 1 | 590.0 | 8.17 | 8.2 |
| 80 04 08 0910 | | | .3 | 1 | 450.0 | 8.01 | 7.65 |
| 80 05 27 1115 | | | .3 | 1 | 455.0 | 8.36 | 7.75 |
| 80 06 24 1330 | | | .3 | 1 | 475.0 | 8.25 | 7.85 |
| 80 07 24 1515 | | | .3 | 1 | 500.0 | 8.20 | 8.05 |
| 80 08 27 1440 | | | .3 | 1 | 500 | 7.96 | 8.0 |
| 80 09 24 1030 | | | .3 | 1 | 455 | 7.94 | 7.7 |
| 80 10 29 1215 | | | .3 | 1 | 630.0 | 8.23 | 7.5 |
| 80 11 27 1200 | | | .3 | 1 | 600.0 | 8.17 | 8.0 |
| 80 12 22 1330 | | | .3 | 1 | 580.0 | 8.19 | |
| MAXIMUM | | | | | 630.0 | 8.36 | 8.4 |
| ARITH MEAN | | | | | 530 | 8.13 | 7.9 |
| GEOM MEAN | | | | | 526 | 8.13 | 7.9 |
| MINIMUM | | | | | 450.0 | 7.94 | 7.5 |
| STD DEV | | | | | 65 | 0.13 | 0.2 |
| NO OF SAMPLES | | | | | 12 | 12 | 11 |

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B.O.W./ SITE: **OAKVILLE CREEK**
SAMPLE POINT: **AT COUNTY ROAD 28 UPSTREAM OF MILTON**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **OAKVILLE CREEK**

STATION ID: **06-0063-009-02**
STORET CODE **02 006 4340**

LAT:
LONG:
U T M: **17 0586400.0 4818200.0 4**
REGION: **03**
DISTANCE: **33.152**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 23 1100 | | | .3 | 1 | 27202 | 8 | 120 | 160 | 4 | 8 | 0.0 | 14.2 | 0.2 | 0.011 |
| 80 02 25 1045 | | | .3 | 1 | 27217 | 8 | 290 | 370 | 4< | 4< | 1.0 | 13.7 | 0.2 | 0.001 |
| 80 03 19 1100 | | | .3 | 1 | 27232 | 8 | 350 | 90 | 132 | 228 | 1.0 | 13.2 | 1.0 | 0.018 |
| 80 04 08 0915 | | | .3 | 1 | 27247 | 8 | 340 | 1800 | 4< | 4< | 6.0 | 12.8 | 0.2 | 0.017 |
| 80 05 27 1140 | | | .3 | 1 | 27262 | 8 | 390C | 6500 | 68 | 68 | 15.5 | 10.4 | 0.2 | 0.010 |
| 80 06 24 1340 | | | .3 | 1 | 27277 | 8 | 300C | 7000 | 44 | 40 | 22.0 | 9.6 | 0.2 | 0.012 |
| 80 07 24 1520 | | | .3 | 1 | 27292 | 8 | | | | | 22.0 | 8.7 | 0.2 | 0.013 |
| 80 08 27 1450 | | | .3 | 1 | 27307 | 8 | 1000 | 8500 | 40I | 200 | 23.5 | 8.8 | 0.4 | 0.007 |
| 80 09 24 1020 | | | .3 | 1 | 27322 | 8 | 2300 | 14000 | 190 | 120 | 11.5 | 11.1 | 0.6 | 0.009 |
| 80 10 29 1200 | | | .3 | 1 | 27337 | | 400 | 4700 | 10< | 20I | | | 0.2< | 0.006 |
| 80 11 27 1155 | | | .3 | 1 | 27352 | 8 | 20< | 760 | 12 | 16 | 1.0 | 13.6 | 0.2 | 0.004 |
| 80 12 22 1320 | | | .3 | 1 | 27367 | 8 | 140 | 1030 | 4 | 4 | 0.0 | 13.4 | 1.5 | 0.006 |
| MAXIMUM | | | | | | | 2300 | 14000 | 190 | 228 | 23.5 | 14.2 | 1.5 | 0.018 |
| ARITH MEAN | | | | | | | 514L | 4083 | 47L | 66L | 9.4 | 11.8 | 0.4L | 0.009 |
| GEOM MEAN | | | | | | | 291L | 1612 | 19L | 26L | 4.4 | 11.6 | 0.3L | 0.008 |
| MINIMUM | | | | | | | 20< | 90 | 4< | 4< | 0.0 | 8.7 | 0.2< | 0.001 |
| STD DEV | | | | | | | 644L | 4609 | 62L | 82L | 9.8 | 2.1 | 0.4L | 0.005 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 12 | 12 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 23 1100 | | | .3 | 1 | 0.002 | 0.006 | 0.250 | 0.002 | 0.513 | 0.521 | 0.244 | 0.765 | 357.0 | 3.0 |
| 80 02 25 1045 | | | .3 | 1 | 0.001 | 0.002 | 0.190 | 0.003 | 0.672 | 0.677 | 0.188 | 0.865 | 373.0 | 1.0 |
| 80 03 19 1100 | | | .3 | 1 | 0.001 | 0.060 | 0.350 | 0.008 | 0.990 | 1.058 | 0.290 | 1.348 | 344.0 | 3.0 |
| 80 04 08 0915 | | | .3 | 1 | 0.007 | 0.014 | 0.310 | 0.003 | 0.147 | 0.164 | 0.296 | 0.460 | 281.0 | 4.0 |
| 80 05 27 1140 | | | .3 | 1 | 0.001 | 0.008 | 0.310 | 0.003 | 0.222 | 0.233 | 0.302 | 0.535 | 374.0 | 1.0 |
| 80 06 24 1340 | | | .3 | 1 | 0.001 | 0.012 | 0.330 | 0.003 | 0.217 | 0.232 | 0.318 | 0.550 | 317.0 | 3.0 |
| 80 07 24 1520 | | | .3 | 1 | 0.003 | 0.022 | 0.320 | 0.003 | 0.201 | 0.226 | 0.298 | 0.524 | 373.0 | 2.0 |
| 80 08 27 1450 | | | .3 | 1 | 0.001 | 0.002< | 0.23 | 0.001 | 0.089 | 0.092 | 0.228 | 0.320 | 378 | 5 |
| 80 09 24 1020 | | | .3 | 1 | 0.001< | 0.010 | 0.25 | 0.001 | 0.254 | 0.265 | 0.240 | 0.505 | 333 | 2 |
| 80 10 29 1200 | | | .3 | 1 | 0.001< | 0.010 | 0.310 | 0.001 | 0.154 | 0.165 | 0.300 | 0.465 | 353.0 | 8.0 |
| 80 11 27 1155 | | | .3 | 1 | 0.001< | 0.004 | 0.250 | 0.002 | 0.283 | 0.289 | 0.246 | 0.535 | 362.0 | 2.0 |
| 80 12 22 1320 | | | .3 | 1 | 0.002 | 0.008 | 0.380 | 0.001< | 0.525 | 0.534 | 0.372 | 0.906 | 385.0 | 3.0 |
| MAXIMUM | | | | | 0.007 | 0.060 | 0.380 | 0.008 | 0.990 | 1.058 | 0.372 | 1.348 | 385.0 | 8.0 |
| ARITH MEAN | | | | | 0.002L | 0.013L | 0.29 | 0.003L | 0.366 | 0.371 | 0.277 | 0.648 | 352 | 3 |
| GEOM MEAN | | | | | 0.001L | 0.008L | 0.28 | 0.002L | 0.282 | 0.297 | 0.273 | 0.603 | 351 | 2 |
| MINIMUM | | | | | 0.001< | 0.002< | 0.190 | 0.001< | 0.089 | 0.092 | 0.188 | 0.320 | 281.0 | 1.0 |
| STD DEV | | | | | 0.002L | 0.018L | 0.06 | 0.002L | 0.268 | 0.279 | 0.049 | 0.280 | 30 | 1 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 23 1100 | | | .3 | 1 | 354.0 | 560.0 | 26.500 | 8.20 | 8.5 |
| 80 02 25 1045 | | | .3 | 1 | 372.0 | 640.0 | 40.500 | 8.42 | 7.6 |
| 80 03 19 1100 | | | .3 | 1 | 341.0 | 560.0 | 36.500 | 8.31 | 8.3 |
| 80 04 08 0915 | | | .3 | 1 | 277.0 | 450.0 | 17.500 | 8.22 | 7.85 |
| 80 05 27 1140 | | | .3 | 1 | 373.0 | 550.0 | 31.000 | 8.47 | 8.3 |
| 80 06 24 1340 | | | .3 | 1 | 314.0 | 550.0 | 35.500 | 8.50 | 8.1 |
| 80 07 24 1520 | | | .3 | 1 | 371.0 | 600.0 | 45.500 | 8.47 | 8.35 |
| 80 08 27 1450 | | | .3 | 1 | 373 | 600 | 52 | 8.34 | 8.1 |
| 80 09 24 1020 | | | .3 | 1 | 331 | 600 | 45.0 | 8.36 | 7.35 |
| 80 10 29 1200 | | | .3 | 1 | 352.0 | 600.0 | 29.000 | 8.24 | 7.4 |
| 80 11 27 1155 | | | .3 | 1 | 360.0 | 600.0 | 31.500 | 8.31 | 8.15 |
| 80 12 22 1320 | | | .3 | 1 | 382.0 | 640.0 | 31.000 | 8.31 | |

(CONTD)

| TEST-NAME: | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT / STN DIST FEET / STN BRG / SAMP DEPTH MTRS / PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| MAXIMUM | 382.0 | 640.0 | 62 | 8.50 | 8.5 |
| ARITH MEAN | 350 | 579 | 36 | 8.35 | 8.0 |
| GEOM MEAN | 348 | 576 | 33 | 8.36 | 7.9 |
| MINIMUM | 277.0 | 450.0 | 17.500 | 8.20 | 7.35 |
| STD DEV | 30 | 51 | 9 | 0.10 | 0.3 |
| NO OF SAMPLES | 12 | 12 | 12 | 12 | 11 |

B.O.W./ SITE: **OAKVILLE CREEK**
SAMPLE POINT: **AT CONC.8 UPSTR.OF KELSO RESERVOIR**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **OAKVILLE CREEK**

STATION ID: **06-0063-010-02**
STORET CODE: **02**
**006**
**4340**

LAT: LONG: U T M: **17 0584750.0 4816800.0 4** REGION: **03** DISTANCE: **29.933**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 23 1115 | | .3 | 1 | 27201 | 8 | 70I | 1900 | 8 | 28 | 2.0 | 14.8 | 0.012 | 0.006 |
| 80 02 25 1100 | | .3 | 1 | 27216 | 8 | 110 | 290 | 4< | 8 | 3.0 | 13.8 | 0.005 | 0.004 |
| 80 03 19 1115 | | .3 | 1 | 27231 | 8 | 2700 | 3900 | 32 | 560 | 2.0 | 13.0 | 0.037 | 0.620 |
| 80 04 08 0925 | | .3 | 1 | 27246 | 8 | 100I | 400 | 4 | 10< | 4.5 | 12.9 | 0.070 | 0.020 |
| 80 05 27 1130 | | .3 | 1 | 27261 | 8 | 830C | 13000 | 8 | 28 | 13.5 | 11.0 | 0.024 | 0.012 |
| 80 06 24 1130 | | .3 | 1 | 27276 | 8 | 440C | 11200 | 52 | 44 | 19.0 | 9.8 | 0.014 | 0.020 |
| 80 07 24 1500 | | .3 | 1 | 27291 | 8 | | | | | 18.8 | 6.6 | 0.013 | 0.036 |
| 80 08 27 1430 | | .3 | 1 | 27306 | 8 | 600I | 17000 | 140 | 160 | 21.5 | 7.8 | 0.010 | 0.048 |
| 80 09 24 1040 | | .3 | 1 | 27321 | 8 | 100I | 14000 | 30I | 190 | 15.0 | 10.0 | 0.008 | 0.016 |
| 80 10 29 1220 | | .3 | 1 | 27336 | 8 | 100I | 4300 | 10< | 10I | | | 0.010 | 0.030 |
| 80 11 27 1210 | | .3 | 1 | 27351 | 8 | 20< | 940 | 4< | 12 | 3.0 | 14.2 | 0.007 | 0.012 |
| 80 12 22 1345 | | .3 | 1 | 27366 | 8 | 110 | 670 | 4< | 4 | 2.5 | 12.3 | 0.009 | 0.010 |
| MAXIMUM | | | | | | 2700 | 17000 | 140 | 560 | 21.5 | 14.8 | 0.070 | 0.620 |
| ARITH MEAN | | | | | | 471L | 6145 | 27L | 96L | 9.5 | 11.5 | 0.018 | 0.069 |
| GEOM MEAN | | | | | | 187L | 2793 | 12L | 31L | 6.3 | 11.2 | 0.013 | 0.021 |
| MINIMUM | | | | | | 20< | 290 | 4< | 4< | 2.0 | 6.6 | 0.005 | 0.004 |
| STD DEV | | | | | | 784L | 6347 | 41L | 167L | 8.0 | 2.7 | 0.019 | 0.174 |
| NO OF SAMPLES | | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 12 | 12 |

| TEST-NAME: | | | | COND25 | PH | FWPH |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | PH | PH FIELD |
| 80 01 23 1115 | | .3 | 1 | 530.0 | 8.40 | 7.2 |
| 80 02 25 1100 | | .3 | 1 | 640.0 | 8.37 | 7.9 |
| 80 03 19 1115 | | .3 | 1 | 640.0 | 8.27 | 8.4 |
| 80 04 08 0925 | | .3 | 1 | 445.0 | 8.18 | 8.2 |
| 80 05 27 1130 | | .3 | 1 | 550.0 | 8.39 | 8.3 |
| 80 06 24 1130 | | .3 | 1 | 550.0 | 8.35 | 7.8 |
| 80 07 24 1500 | | .3 | 1 | 550.0 | 8.22 | 8.05 |
| 80 08 27 1430 | | .3 | 1 | 550 | 8.19 | 7.95 |
| 80 09 24 1040 | | .3 | 1 | 500 | 8.25 | 7.9 |
| 80 10 29 1220 | | .3 | 1 | 600.0 | 8.01 | 7.55 |
| 80 11 27 1210 | | .3 | 1 | 580.0 | 8.30 | 7.8 |
| 80 12 22 1345 | | .3 | 1 | 600.0 | 8.28 | |
| MAXIMUM | | | | 640.0 | 8.40 | 8.4 |
| ARITH MEAN | | | | 561 | 8.27 | 7.9 |
| GEOM MEAN | | | | 558 | 8.27 | 7.9 |
| MINIMUM | | | | 445.0 | 8.01 | 7.2 |
| STD DEV | | | | 56 | 0.11 | 0.3 |
| NO OF SAMPLES | | | | 12 | 12 | 11 |

B.O.W./ SITE: **EAST OAKVILLE CREEK**
SAMPLE POINT: **AT BASELINE ROAD SIXTEEN VALLEY**
STATION TYPE: **RIVER FLOW GAUGE FED 02HB004**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **OAKVILLE CREEK**

STATION ID: **06-0063-011-02**
STORET CODE: **02**
**006**
**4340**

LAT: LONG: U T M: **17 0598850.0 4816700.0 4** REGION: **03** DISTANCE: **19.633**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST BRG FEET. | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 23 1545 | | .3 | 1 | 27206 | 8 | 0.920 | 1160C | 6000 | 4 | 96 | 0.0 | 14.0 | 0.043 |
| 80 02 25 1450 | | .3 | 1 | 27221 | 4 | 0.145 | 5500C | 36000 | 580 | 630 | 0.0 | 12.6 | 0.238 |
| 80 03 20 0945 | | .3 | 1 | 27236 | 8 | 11.000 | 7100 | 34000 | 1020 | 3000> | 0.0 | 13.4 | 0.485 |
| 80 04 08 1115 | | .3 | 1 | 27251 | 8 | 2.140 | 1700 | 4400 | 20< | 100< | 8.0 | 12.2 | 0.095 |
| 80 05 27 1410 | | .3 | 1 | 27266 | 8 | 0.359 | 50< | 15000 | 10< | 10I | 17.0 | 11.1 | 0.019 |
| 80 06 24 1100 | | .3 | 1 | 27281 | 8 | 0.230 | 300I | 14500 | 10< | 90I | 25.5 | 10.0 | 0.014 |
| 80 07 24 1330 | | .3 | 1 | 27296 | 8 | 0.182 | | | | | 25.2 | 10.2 | 0.031 |
| 80 08 27 1300 | | .3 | 1 | 27311 | 8 | 0.101 | 350 | 13000 | 10< | 450 | 27.0 | 10.5 | 0.025 |
| 80 09 24 1545 | | .3 | 1 | 27326 | 8 | 0.215 | 600I | 14000 | 80I | 180 | 16.5 | 12.3 | 0.020 |
| 80 10 28 1210 | | .3 | 1 | 27341 | 8 | 0.647 | 1320C | 16000 | 150 | 400 | 5.0 | 13.4 | 0.031 |
| 80 11 28 0845 | | .3 | 1 | 27356 | 8 | 0.256 | 20I | 2400 | 20I | 30I | 0.0 | 12.4 | 0.010 |
| 80 12 23 1600 | | .3 | 1 | 27371 | 4 | 0.300 | 210 | 1180 | 8 | 68 | 0.0 | 13.7 | 0.023 |
| MAXIMUM | | | | | | 11.000 | 7100 | 36000 | 1020 | 3000> | 27.0 | 14.0 | 0.485 |
| ARITH MEAN | | | | | | 1.376 | 1665L | 14225 | 174L | 4598 | 10.3 | 12.1 | 0.086 |
| GEOM MEAN | | | | | | 0.439 | 548L | 9518 | 35L | 1638 | 4.9 | 12.1 | 0.039 |
| MINIMUM | | | | | | 0.101 | 20< | 1180 | 4< | 10< | 0.0 | 10.0 | 0.010 |
| STD DEV | | | | | | 3.084 | 2383L | 11596 | 328L | 8688 | 11.2 | 1.4 | 0.141 |
| NO OF SAMPLES | | | | | | 12 | 11 | 11 | 11 | 11 | 12 | 12 | 12 |

(CONTD)

B.O.W./ SITE: **EAST OAKVILLE CREEK**
SAMPLE POINT: **AT BASELINE ROAD SIXTEEN VALLEY**
STATION TYPE: **RIVER FLOW GAUGE FED 02HB004**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **OAKVILLE CREEK**

STATION ID: **06-0063-011-02**
STORET CODE: **02**
**006**
**4340**

LAT: LONG: U T M: **17 0598850.0 4816700.0 4** REGION: **03** DISTANCE: **19.633**

| | | | TEST-NAME: | | NNHTFR | COND25 | PH | FWPH |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NH3-N TOTAL FIL.REAC MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | PH | PH FIELD |
| 80 01 23 1545 | | | .3 | 1 | 0.080 | 540.0 | 8.16 | 7.5 |
| 80 02 25 1450 | | | .3 | 1 | 0.790 | 620.0 | 7.83 | 7.2 |
| 80 03 20 0945 | | | .3 | 1 | 0.870 | 260.0 | 7.84 | 7.1 |
| 80 04 08 1115 | | | .3 | 1 | 0.055 | 530.0 | 8.22 | 7.65 |
| 80 05 27 1410 | | | .3 | 1 | 0.008 | 550.0 | 8.49 | 8.15 |
| 80 06 24 1100 | | | .3 | 1 | 0.016 | 550.0 | 8.35 | 8.0 |
| 80 07 24 1330 | | | .3 | 1 | 0.046 | 485.0 | 8.56 | 8.3 |
| 80 08 27 1300 | | | .3 | 1 | | 800 | 8.46 | 8.2 |
| 80 09 24 1545 | | | .3 | 1 | 0.024 | 465 | 8.52 | 7.9 |
| 80 10 28 1210 | | | .3 | 1 | 0.052 | 680.0 | 8.22 | 6.9 |
| 80 11 28 0845 | | | .3 | 1 | 0.004 | 680.0 | 8.24 | 7.4 |
| 80 12 23 1600 | | | .3 | 1 | 0.020 | 780.0 | 8.08 | |
| MAXIMUM | | | | | **0.870** | **800** | **8.56** | **8.3** |
| ARITH MEAN | | | | | **0.179** | **578** | **8.25** | **7.6** |
| GEOM MEAN | | | | | **0.048** | **557** | **8.24** | **7.6** |
| MINIMUM | | | | | **0.004** | **260.0** | **7.83** | **6.9** |
| STD DEV | | | | | **0.323** | **147** | **0.25** | **0.4** |
| NO OF SAMPLES | | | | | **11** | **12** | **12** | **11** |

B.O.W / SITE: **RATTRAY MARSH**
SAMPLE POINT: **AT MEADOW WOOD ROAD CLARKSON**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **RATTRAY CREEK**

STATION ID: **06-0068-001-02**
STORET CODE: **02**
**004**
**0068**

LAT: LONG: U T M: **17 0611850.0 4818800.0 4** REGION: **03** DISTANCE: **1.448**

| | | | TEST-NAME: | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 14 0958 | | | .3 | 1 | 27000 | 6 4 | 3400 | 22000 | 980 | 3300 | 0 0 | 12.5 | 0.6 | 0.064 |
| 80 02 14 0958 | | | .3 | 1 | 27012 | 4 6 | 2500 | 10500 | 600 | 1700 | 0.0 | 14.0 | 0.2 | 0.023 |
| 80 03 17 0945 | | | .3 | 1 | 27024 | 4 6 | 4400 | 17000 | 720 | 1300 | 0.0 | 10.4 | 2.6 | 0.110 |
| 80 04 14 0932 | | | .3 | 1 | 27036 | 6 | 1000 | 2700 | 260 | 230 | 2 0 | 11.6 | 0.6 | 0.043 |
| 80 05 14 1115 | | | .3 | 1 | 27050 | 6 | 37000 | 127000 | 5100 | 730 | 12.0 | 9 8 | 1.0 | 0.050 |
| 80 06 12 0950 | | | .3 | 1 | 27063 | 6 | | | | | 11.0 | 11 6 | 1.0 | 0.097 |
| 80 07 14 1015 | | | .3 | 1 | 27070 | 7 | 23000 | 70000 | 180 | 460 | 19.8 | 7.0 | 1.0 | 0.250 |
| 80 08 12 0955 | | | .3 | 1 | 27081 | 6 | 43000 | 230000 | 1100 | 14500 | 20.0 | 5.4 | | |
| 80 09 15 0930 | | | .3 | 1 | 27093 | 6 | 3500 | 24000 | 190 | 2100 | 15.0 | 6.2 | 0.5 | 0.045 |
| 80 10 16 1055 | | | .3 | 1 | 27105 | 6 | 100< | 100 | 10< | 10< | 9.0 | 9.8 | | 0.098 |
| 80 11 17 1005 | | | .3 | 1 | 27117 | 6 | 1740 | 240u | 452 | 172 | 0.0 | 14.2 | 0.2< | 0.021 |
| 80 12 15 1445 | | | .3 | 1 | 27129 | 6 | 890C | 6400 | 280 | 96 | 0 0 | 1 6 | 1.1 | 0.031 |
| MAXIMUM | | | | | | | **43000** | **230000** | **5100** | **14500** | **20.0** | **14.2** | **2.6** | **0.250** |
| ARITH MEAN | | | | | | | **10957L** | **46555** | **897L** | **2236L** | **7.4** | **9.5** | **0.9L** | **0.076** |
| GEOM MEAN | | | | | | | **3417L** | **12080** | **384L** | **587L** | **3.9** | **8.4** | **0.7L** | **0.068** |
| MINIMUM | | | | | | | **100<** | **100** | **10<** | **10<** | **0.0** | **1.6** | **0.2<** | **0.021** |
| STD DEV | | | | | | | **15750L** | **71834** | **1436L** | **4195L** | **8.0** | **3.8** | **0.7L** | **0.066** |
| NO OF SAMPLES | | | | | | | **11** | **11** | **11** | **11** | **12** | **12** | **10** | **11** |

| | | | TEST-NAME: | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 14 0958 | | | .3 | 1 | 0.049 | 0.130 | 0.540 | 0.026 | 4.270 | 4.426 | 0.410 | 4.836 | 764.0 | 4.0 |
| 80 02 14 0958 | | | .3 | 1 | 0.012 | 0.062 | 0.250 | 0.011 | 3.740 | 3.813 | 0.188 | 4.001 | 772.0 | 2.0 |
| 80 03 17 0945 | | | .3 | 1 | 0.054 | 0.306 | 1.500 | 0.063 | 2.590 | 2.959 | 1.194 | 4.153 | 2008.0 | 8.0 |
| 80 04 14 0932 | | | .3 | 1 | 0.018 | 0.032 | 0.690 | 0.015 | 2.580 | 2.627 | 0.658 | 3.285 | 781.0 | 2.0 |
| 80 05 14 1115 | | | .3 | 1 | 0.006 | 0.024 | 0.700 | 0.046 | 1.880 | 1.950 | 0.676 | 2.626 | 524.0 | 7.0 |
| 80 06 12 0950 | | | .3 | 1 | 0.056 | 0.147 | 0.760 | 0.160 | 4.490 | 4.797 | 0.613 | 5.410 | 862.0 | 2.0 |
| 80 07 14 1015 | | | .3 | 1 | 0.006 | 0.006 | 2.38 | 0.008 | 2.09 | 2.104 | 2.374 | 4.478 | 868 | 5 |
| 80 09 15 0930 | | | .3 | 1 | 0.031 | 0.020 | 2.380 | 0.006 | 1.640 | 1.666 | 2.360 | 4.026 | 224.0 | 0.1< |
| 80 10 16 1055 | | | .3 | 1 | 0.039 | 0.076 | 0.85 | 0.016 | 2.64 | 2.732 | 0.774 | 3.506 | 543 | 7 |
| 80 11 17 1005 | | | .3 | 1 | 0.008 | 0.006 | 0.300 | 0.008 | 2.790 | 2.804 | 0.294 | 3.098 | 755.0 | 2.0 |
| 80 12 15 1445 | | | .3 | 1 | 0.018 | 0.026 | 0.380 | 0.037 | 4.210 | 4.273 | 0.354 | 4.627 | 2457.0 | 6.0 |
| MAXIMUM | | | | | **0.056** | **0.306** | **2.380** | **0.160** | **4.490** | **4.797** | **2.374** | **5.410** | **2457.0** | **8.0** |
| ARITH MEAN | | | | | **0.027** | **0.076** | **0.97** | **0.038** | **2.99** | **3.105** | **0.900** | **4.004** | **959** | **4 L** |
| GEOM MEAN | | | | | **0.020** | **0.040** | **0.74** | **0.021** | **2.83** | **2.938** | **0.665** | **3.924** | **796** | **2 L** |
| MINIMUM | | | | | **0.006** | **0.006** | **0.250** | **0.006** | **1.640** | **1.666** | **0.188** | **2.626** | **224.0** | **0.1<** |
| STD DEV | | | | | **0.020** | **0.090** | **0.77** | **0.045** | **1.01** | **1.066** | **0.775** | **0.824** | **664** | **2 L** |
| NO OF SAMPLES | | | | | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** |

| | | | TEST-NAME: | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 14 0958 | | | 3 | 1 | | 1220 0 | 6 40 | 190 000 | | |
| 80 02 14 0958 | | | 3 | 1 | | 1220 0 | 2.00 | 200 000 | 7 94 | 7 9 |
| 80 03 17 0945 | | | 3 | 1 | | 3500 0 | 17 00 | 1000.000 | | 7 5 |
| 80 04 14 0932 | | | 3 | 1 | | 1200 0 | 2 30 | 195.000 | | 6 79 |
| 80 05 14 1115 | | | 3 | 1 | 517 0 | 850 0 | 17 00 | 160 000 | 8 58 | 7 7 |
| 80 06 12 0950 | | | .3 | 1 | 860 0 | 1400 0 | 1 70 | | | |
| 80 07 14 1015 | | | 3 | 1 | 863 | 1250 | 1 7 | 228 | | 7 8 |
| 80 08 12 0955 | | | 3 | 1 | | | | | | 7 7 |
| 80 09 15 0930 | | | .3 | 1 | | 1100 0 | 4.00 | 196.000 | | 7.5 |
| 80 10 16 1055 | | | 3 | 1 | | 910 | 2.0 | 14.5 | | 7 4 |
| 80 11 17 1005 | | | .3 | 1 | | 1260 0 | 1.00 | 238.000 | | 7 9 |
| 80 12 15 1445 | | | 3 | 1 | | 4400 0 | 1 50 | 1250 000 | | 8 0 |

(CONTD)

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| MAXIMUM | | | | | 863 | 4400.0 | 17.00 | 1250.000 | 8.58 | 8.0 |
| ARITH MEAN | | | | | 746 | 1664 | 5.1 | 367 | 8.26 | 7.6 |
| GEOM MEAN | | | | | 726 | 1431 | 3.1 | 216 | 8.25 | 7.6 |
| MINIMUM | | | | | 517.0 | 850.0 | 1.00 | 14.5 | 7.94 | 6.79 |
| STD DEV | | | | | 198 | 1158 | 6.0 | 408 | 0.45 | 0.3 |
| NO OF SAMPLES | | | | | 3 | 11 | 11 | 10 | 2 | 10 |

B.O.W./ SITE: **CREDIT RIVER**
SAMPLE POINT: **HIGHWAY 5 ERINDALE**
STATION TYPE: **RIVER FLOW GAUGE FED 02HB002**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **CREDIT RIVER**

STATION ID: **06-0076-002-02**
STORET CODE: **02**
**004**
**4170**

LAT: LONG: U T M: **17 0608390.0 4821825.0 4** REGION: **03** DISTANCE: **7.886**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FCMF | FSMF | FWTEMP | DO | PPUT | PPO4FR | NNTKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | K'DAHL N TOTAL FIL.TOT. MG/L AS N |
| 80 01 11 1510 | | | .3 | 1 | 22024 | 6 | 12 000 | 700I | 7700 | 2.8 | 11.9 | 0.750 | 0.087 | 2.500 |
| 80 02 14 1520 | | | .3 | 1 | 22084 | 6 | 2.850 | | | 0.0 | 10.4 | 0.046 | 0.019 | |
| 80 03 14 0945 | | | .3 | 1 | 21075 | 4 | 3.200 | | | 0.0 | 10.8 | 0.028 | 0.010 | |
| 80 03 21 1610 | | | .3 | 1 | 21091 | 6 3 | 61.000 | | | 2.0 | 10.8 | 1.860 | 0.091 | |
| 80 04 17 1600 | | | .3 | 1 | 21141 | 6 | 18.200 | 10I | 30I | 7.5 | 12.1 | 0.058 | 0.024 | |
| 80 04 25 1310 | | | .3 | 1 | 21203 | 6 | 8.510 | | | 11.0 | 10.7 | 0.031 | 0.005 | |
| 80 04 28 1515 | | | .3 | 1 | 21208 | 6 | 16.500 | | | 8.8 | 9.8 | 0.155 | 0.022 | |
| 80 05 06 1500 | | | .3 | 1 | 21213 | 6 | 7.870 | | | 17.5 | 9.8 | 0.021 | 0.001 | |
| 80 06 19 1545 | | | .3 | 1 | 21275 | 6 | 4.450 | | | 18.0 | 9.6 | 0.020 | 0.004 | |
| 80 07 04 1500 | | | .3 | 1 | 21341 | | 4.850 | | | | | 0.048 | 0.010 | |
| 80 08 11 1400 | | | .3 | 1 | 21403 | 6 | 3.600 | | | 22.1 | 9.8 | 0.011 | 0.003 | 0.330 |
| 80 09 10 1100 | | | .3 | 1 | 21462 | 6 | 3.510 | | | 15.0 | 9.8 | 0.031 | 0.003 | |
| 80 10 02 1430 | | | .3 | 1 | 21528 | 6 | 3.810 | | | 15.0 | 9.9 | 0.020 | | |
| 80 11 07 1200 | | | .3 | 1 | 21588 | 6 | 4.240 | 10< | 10< | 5.0 | 13.2 | 0.048 | 0.001 | |
| MAXIMUM | | | | | | | 61.000 | 700 | 7700 | 22.1 | 13.2 | 1.860 | 0.091 | 2.500 |
| ARITH MEAN | | | | | | | 11.042 | 240L | 2580L | 9.6 | 10.7 | 0.223 | 0.022 | 1.415 |
| GEOM MEAN | | | | | | | 6.932 | 41L | 132L | 6.4 | 10.6 | 0.056 | 0.009 | 0.908 |
| MINIMUM | | | | | | | 2.850 | 10< | 10< | 0.0 | 9.6 | 0.011 | 0.001 | 0.330 |
| STD DEV | | | | | | | 15.230 | 398L | 4434L | 7.4 | 1.1 | 0.509 | 0.031 | 1.534 |
| NO OF SAMPLES | | | | | | | 14 | 3 | 3 | 13 | 13 | 14 | 13 | 2 |

| TEST-NAME: | | | | | NNO2FR | NNO3FR | NNKI | RSP | RSF | COND25 | ALKT | PH | FWPH | ASUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS |
| 80 01 11 1510 | | | .3 | 1 | 0.044 | 1.410 | 3.954 | 480.00 | 301.00 | | 131.0 | 7.67 | 7.5 | 0.005 |
| 80 02 14 1520 | | | .3 | 1 | | | | 11.00 | 395.00 | 660.0 | 234 | 8.17 | 8.0 | 0.001 |
| 80 03 14 0945 | | | .3 | 1 | | | | 4.00 | 464.00 | | 214.0 | 8.08 | 7.5 | 0.001< |
| 80 03 21 1610 | | | .3 | 1 | | | | 1585.00 | | | 187.0 | 7.54 | 7.7 | 0.002 |
| 80 04 17 1600 | | | .3 | 1 | | | | 33.00 | 351.00 | 480.0 | 179.0 | 8.32 | 8.6 | 0.001< |
| 80 04 25 1310 | | | .3 | 1 | | | | 5.00 | 380.00 | 550.0 | 190.0 | 8.68 | 8.6 | 0.001< |
| 80 04 28 1515 | | | .3 | 1 | | | | 138.00 | 328.00 | 550.0 | 191.0 | 8.33 | 8.4 | 0.003 |
| 80 05 06 1500 | | | .3 | 1 | | | | 5.00 | 320.00 | 500.0 | 192.0 | 8.59 | | 0.001< |
| 80 06 19 1545 | | | .3 | 1 | | | | 9.00 | 362.00 | | 193.0 | 8.36 | 8.2 | 0.001< |
| 80 07 04 1500 | | | .3 | 1 | | | | 18.00 | 332.00 | | 188.0 | 8.74 | | 0.001< |
| 80 08 11 1400 | | | .3 | 1 | 0.006 | 0.129 | 0.465 | 4.00 | 286.00 | 440.0 | 140.0 | 8.79 | 8.7 | 0.001< |
| 80 09 10 1100 | | | .3 | 1 | | | | 22.00 | 294.00 | 520.0 | 184.0 | 8.46 | 8.8 | 0.001 |
| 80 10 02 1430 | | | .3 | 1 | | | | 6 | 296 | 540 | 178 | 8.42 | 8.3 | 0.002 |
| 80 11 07 1200 | | | .3 | 1 | | | | 16.00 | 342.00 | 560.0 | 194.0 | 8.56 | 8.7 | 0.001< |
| MAXIMUM | | | | | 0.044 | 1.410 | 3.954 | 1585.00 | 464.00 | 660.0 | 234 | 8.79 | 8.8 | 0.005 |
| ARITH MEAN | | | | | 0.025 | 0.769 | 2.209 | 166 | 342 | 533 | 185 | 8.34 | 8.2 | 0.002L |
| GEOM MEAN | | | | | 0.016 | 0.426 | 1.366 | 21 | 339 | 530 | 183 | 8.33 | 8.2 | 0.001L |
| MINIMUM | | | | | 0.006 | 0.129 | 0.465 | 4.00 | 286.00 | 440.0 | 131.0 | 7.54 | 7.5 | 0.001< |
| STD DEV | | | | | 0.027 | 0.906 | 2.467 | 427 | 49 | 61 | 25 | 0.37 | 0.5 | 0.001L |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 14 | 13 | 9 | 14 | 14 | 12 | 14 |

| TEST-NAME: | | | | | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT | P1PCBT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | PCB TOTAL UG/L |
| 80 01 11 1510 | | | .3 | 1 | 0.070 | 0.030 | 0.040 | 0.030< | 0.010 | 0.100 | 0.020 |
| 80 02 14 1520 | | | .3 | 1 | 0.020< | 0.030 | 0.010 | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 03 14 0945 | | | .3 | 1 | 0.020< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.070 |
| 80 03 21 1610 | | | .3 | 1 | 0.200 | 0.060 | 0.070 | 0.030< | 0.007 | 0.180 | 0.020R |
| 80 04 17 1600 | | | .3 | 1 | 0.050 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.020 | 0.020R |
| 80 04 25 1310 | | | .3 | 1 | 0.020< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.030 |
| 80 04 28 1515 | | | .3 | 1 | 0.030 | 0.020< | 0.020 | 0.030< | 0.005 < | 0.040 | 0.020R |
| 80 05 06 1500 | | | .3 | 1 | 0.030< | 0.020< | 0.020 | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 06 19 1545 | | | .3 | 1 | 0.030< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 07 04 1500 | | | .3 | 1 | 0.030< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 08 11 1400 | | | .3 | 1 | 0.47 | 0.002< | 0.002 | 0.003 | 0.0001< | 0.002 | 0.020R |
| 80 09 10 1100 | | | .3 | 1 | 0.04 < | 0.002 | 0.003 | 0.003< | | 0.004 | 0.020R |
| 80 10 02 1430 | | | .3 | 1 | 0.030 | 0.016 | 0.004 | 0.003< | 0.0002< | 0.004 | 0.020R |
| 80 11 07 1200 | | | .3 | 1 | 0.040< | 0.120 | 0.007 | 0.003< | 0.0002< | 0.008 | 0.020R |
| MAXIMUM | | | | | 0.47 | 0.120 | 0.070 | 0.030 | 0.010 | 0.180 | |
| ARITH MEAN | | | | | 0.07 L | 0.029L | 0.016L | 0.022L | 0.004 L | 0.030L | |
| GEOM MEAN | | | | | 0.04 L | 0.016L | 0.010L | 0.016L | 0.002 L | 0.013L | |
| MINIMUM | | | | | 0.020< | 0.002< | 0.002< | 0.003< | 0.0001< | 0.002< | |
| STD DEV | | | | | 0.12 L | 0.030L | 0.016L | 0.013L | 0.002 L | 0.050L | |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 13 | 14 | |

B.O.W./ SITE: **CREDIT RIVER**
SAMPLE POINT: **HIGHWAY 7 NORVAL**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **CREDIT RIVER**

STATION ID: **06-0076-003-02**
STORET CODE: **02**
**004**
**4170**

LAT: LONG: U T M: **17 0592200.0 4833175.0 4** REGION: **03** DISTANCE: **34.439**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 14 1135 | | | .3 | 1 | 27003 | 6 | 6500 | 22000 | 180I | 1680 | 0.0 | 12.0 | 0.6 | 0.063 |
| 80 02 14 1125 | | | .3 | 1 | 27015 | 6 | 700I | 600 | 40I | 20< | 0.0 | 12.8 | 0.2 | 0.065 |
| 80 03 17 1155 | | | .3 | 1 | 27027 | 6 | 440 | 800 | 10< | 10< | 1.0 | 8.4 | 1.2 | 0.038 |
| 80 04 14 1124 | | | .3 | 1 | 27039 | 6 | 480 | 2000 | 30I | 30I | 4.0 | 9.0 | 0.8 | 0.044 |
| 80 06 12 1220 | | | .3 | 1 | 27066 | 6 | | | | | 19.0 | 10.4 | 0.6 | 0.013 |
| 80 07 14 1130 | | | .3 | 1 | 27072 | 6 | 380C | 12000 | 80I | 800 | 21.0 | 7.6 | 1.0 | 0.046 |
| 80 08 12 1100 | | | .3 | 1 | 27084 | 6 | 7300C | 30000 | 4600 | 450 | 21.0 | 7.2 | | |
| 80 09 15 1145 | | | .3 | 1 | 27096 | 6 | 800I | 17000 | 140 | 130 | 15.0 | 9.0 | 0.7 | 0.047 |
| 80 10 16 1230 | | | .3 | 1 | 27108 | 6 | 1000 | 7900 | 60I | 490 | 8.0 | 12.0 | | 0.151 |
| 80 11 17 1205 | | | .3 | 1 | 27120 | 6 | 380 | 4400 | 30I | 20I | 0.5 | 13.2 | 0.4 | 0.130 |
| 80 12 16 1025 | | | .3 | 1 | 27132 | 6 | 1300 | 7100 | 100 | 40I | 0.0 | 11.8 | 0.8 | 0.040 |
| MAXIMUM | | | | | | | 7300 | 30000 | 4600 | 1680 | 21.0 | 13.2 | 1.2 | 0.151 |
| ARITH MEAN | | | | | | | 1928 | 10380 | 527L | 367L | 8.1 | 10.3 | 0.7 | 0.064 |
| GEOM MEAN | | | | | | | 1006 | 5628 | 85L | 106L | 3.7 | 10.1 | 0.6 | 0.062 |
| MINIMUM | | | | | | | 380 | 600 | 10< | 10< | 0.0 | 7.2 | 0.2 | 0.013 |
| STD DEV | | | | | | | 2644 | 9870 | 1432L | 535L | 9.1 | 2.2 | 0.3 | 0.043 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 11 | 11 | 9 | 10 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 14 1135 | | | .3 | 1 | 0.023 | 0.092 | 0.550 | 0.012 | 1.390 | 1.494 | 0.458 | 1.952 | 322.0 | 23.0 |
| 80 02 14 1125 | | | .3 | 1 | 0.041 | 0.142 | 0.400 | 0.014 | 2.380 | 2.536 | 0.258 | 2.794 | 344.0 | 9.0 |
| 80 03 17 1155 | | | .3 | 1 | 0.016 | 0.520 | 0.990 | 0.022 | 2.530 | 3.072 | 0.470 | 3.542 | 405.0 | 5.0 |
| 80 04 14 1124 | | | .3 | 1 | 0.015 | 0.150 | 0.600 | 0.010 | 1.240 | 1.400 | 0.450 | 1.850 | 347.0 | 13.0 |
| 80 06 12 1220 | | | .3 | 1 | 0.004 | 0.015 | 0.340 | 0.005 | 1.790 | 1.810 | 0.325 | 2.135 | 312.0 | 2.0 |
| 80 07 14 1130 | | | .3 | 1 | 0.016 | 0.020 | 0.44 | 0.011 | 1.04 | 1.071 | 0.420 | 1.491 | 380 | 12 |
| 80 09 15 1145 | | | .3 | 1 | 0.020 | 0.006 | 0.390 | 0.004 | 1.350 | 1.360 | 0.384 | 1.744 | 330.0 | 14.0 |
| 80 10 16 1230 | | | .3 | 1 | 0.10 | 0.036 | 0.42 | 0.003 | 1.6 | 1.639 | 0.384 | 2.023 | 353 | 5 |
| 80 11 17 1205 | | | .3 | 1 | 0.015 | 0.006 | 0.440 | 0.003 | 1.850 | 1.859 | 0.434 | 2.293 | 355.0 | 2.0 |
| 80 12 16 1025 | | | .3 | 1 | 0.018 | 0.034 | 0.460 | 0.008 | 1.890 | 1.932 | 0.426 | 2.358 | 409.0 | 13.0 |
| MAXIMUM | | | | | 0.10 | 0.520 | 0.990 | 0.022 | 2.530 | 3.072 | 0.470 | 3.542 | 409.0 | 23.0 |
| ARITH MEAN | | | | | 0.02 | 0.102 | 0.60 | 0.009 | 1.7 | 1.817 | 0.401 | 2.218 | 355 | 9 |
| GEOM MEAN | | | | | 0.01 | 0.041 | 0.48 | 0.008 | 1.6 | 1.739 | 0.395 | 2.156 | 354 | 7 |
| MINIMUM | | | | | 0.004 | 0.006 | 0.340 | 0.003 | 1.04 | 1.071 | 0.258 | 1.491 | 312.0 | 2.0 |
| STD DEV | | | | | 0.02 | 0.157 | 0.18 | 0.006 | 0.4 | 0.595 | 0.066 | 0.588 | 33 | 6 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH FIELD |
| 80 01 14 1135 | | | .3 | 1 | 23.0 | 460.0 | | 25.000 | |
| 80 02 14 1125 | | | .3 | 1 | 335.0 | 660.0 | | 40.500 | 8.4 |
| 80 03 17 1155 | | | .3 | 1 | 400.0 | 680.0 | | 54.500 | 7.8 |
| 80 04 14 1124 | | | .3 | 1 | 334.0 | 520.0 | | 28.000 | 7.3 |
| 80 06 12 1220 | | | .3 | 1 | 310.0 | 495.0 | 1.10 | | |
| 80 07 14 1130 | | | .3 | 1 | 368 | 550 | 6.3 | 36.0 | 8.2 |
| 80 08 12 1100 | | | .3 | 1 | | | | | 8.0 |
| 80 09 15 1145 | | | .3 | 1 | 316.0 | 560.0 | | 36.500 | 8.9 |
| 80 10 16 1230 | | | .3 | 1 | 348 | 590 | | 37.0 | 7.9 |
| 80 11 17 1205 | | | .3 | 1 | 353.0 | 600.0 | | 36.500 | 7.7 |
| 80 12 16 1025 | | | .3 | 1 | 396.0 | 650.0 | | 40.000 | 7.6 |
| MAXIMUM | | | | | 400.0 | 680.0 | 6.3 | 54.500 | 8.9 |
| ARITH MEAN | | | | | 318 | 576 | 3.7 | 37.1 | 8.0 |
| GEOM MEAN | | | | | 266 | 572 | 2.6 | 36.3 | 8.0 |
| MINIMUM | | | | | 23.0 | 460.0 | 1.10 | 25.000 | 7.3 |
| STD DEV | | | | | 108 | 73 | 3.6 | 8.3 | 0.5 |
| NO OF SAMPLES | | | | | 10 | 10 | 2 | 9 | 9 |

B.O.W./ SITE: **CREDIT RIVER WEST BRANCH**
SAMPLE POINT: **HIGHWAY 7 NORVAL**
STATION TYPE: **RIVER FLOW GAUGE FED 02HB008**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **CREDIT RIVER**

STATION ID: **06-0076-004-02**
STORET CODE: **02**
**004**
**4170**

LAT: LONG: U T M: **17 0591420.0 4833025.0 4** REGION: **03** DISTANCE: **31.922**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 14 1140 | | | .3 | 1 | 27004 | 6 | 2.330 | 600I | 15000 | 60I | 680 | 0.0 | 10.2 | 1.0 |
| 80 02 14 1350 | | | .3 | 1 | 27018 | 6 | 0.470 | 100I | 600 | 10< | 10I | 0.0 | 10.4 | 0.2 |
| 80 03 18 0910 | | | .3 | 1 | 27028 | 3 | 2.110 | 4600C | 29000 | 1400 | 15000> | 0.0 | 11.6 | 14.0 |
| 80 04 14 1240 | | | .3 | 1 | 27041 | 6 | 6.130 | 10< | 10< | 4< | 4< | 4.0 | 13.2 | 1.0 |
| 80 06 12 1250 | | | .3 | 1 | 27067 | 6 | 0.837 | | | | | 15.0 | 11.2 | 0.8 |
| 80 07 14 1140 | | | .3 | 1 | 27073 | 6 | 0.476 | 520C | 10000 | 192 | 180 | 21.0 | 6.7 | 1.0 |
| 80 08 12 1120 | | | .3 | 1 | 27085 | 6 8 | 0.531 | 21000 | 69000 | 620 | 1160 | 20.5 | 7.6 | |
| 80 09 15 1200 | | | .3 | 1 | 27097 | 6 | 0.481 | 1800 | 23000 | 220 | 420 | 15.0 | 10.0 | 0.3 |
| 80 10 16 1240 | | | .3 | 1 | 27109 | 6 | 0.480 | 6000I | 230000 | 1560 | 340 | 9.0 | 10.2 | |
| 80 11 17 1245 | | | .3 | 1 | 27121 | 6 | 0.518 | 200 | 1080 | 40I | 20I | 0.5 | 13.8 | 0.4 |
| 80 12 16 1045 | | | .3 | 1 | 27133 | 6 | 0.600 | 900I | 4900 | 60I | 120I | 0.0 | 12.0 | 1.0 |
| MAXIMUM | | | | | | | 6.130 | 21000 | 230000 | 1560 | 15000> | 21.0 | 13.8 | 14.0 |
| ARITH MEAN | | | | | | | 1.360 | 3573L | 38259L | 417L | 1793B | 7.7 | 10.6 | 2.2 |
| GEOM MEAN | | | | | | | 0.870 | 753L | 5892L | 113L | 176B | 3.7 | 10.4 | 0.9 |
| MINIMUM | | | | | | | 0.470 | 10< | 10< | 4< | 4< | 0.0 | 6.7 | 0.2 |
| STD DEV | | | | | | | 1.721 | 6467L | 70509L | 590L | 4865B | 8.7 | 2.1 | 4.4 |
| NO OF SAMPLES | | | | | | | 11 | 10 | 10 | 10 | 10 | 11 | 11 | 9 |

(CONTD)

| TEST-NAME: | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 14 1140 | | .3 | 1 | 0.101 | 0.034 | 0.284 | 1.010 | 0.016 | 2.480 | 2.780 | 0.726 | 3.506 | 438.0 |
| 80 02 14 1350 | | .3 | 1 | 0.232 | 0.195 | 0.640 | 1.010 | 0.031 | 5.970 | 6.641 | 0.370 | 7.011 | 613.0 |
| 80 03 18 0910 | | .3 | 1 | 0.485 | 0.105 | 2.100 | 5.200 | 0.048 | 2.700 | 4.848 | 3.100 | 7.948 | 443.0 |
| 80 04 14 1240 | | .3 | 1 | 0.085 | 0.043 | 0.680 | 1.320 | 0.026 | 1.770 | 2.476 | 0.640 | 3.116 | 422.0 |
| 80 06 12 1250 | | .3 | 1 | 0.051 | 0.030 | 0.034 | 0.460 | 0.011 | 0.669 | 0.714 | 0.426 | 1.140 | 299.0 |
| 80 07 14 1140 | | .3 | 1 | 0.180 | 0.140 | 0.024 | 0.88 | 0.026 | 4.97 | 5.020 | 0.856 | 5.876 | 584 |
| 80 09 15 1200 | | .3 | 1 | 0.159 | 0.150 | 0.022 | 0.560 | 0.009 | 5.740 | 5.771 | 0.538 | 6.309 | 587.0 |
| 80 10 16 1240 | | .3 | 1 | 0.902 | 0.83 | 0.060 | 0.74 | 0.012 | 6.79 | 6.862 | 0.680 | 7.542 | 595 |
| 80 11 17 1245 | | .3 | 1 | 0.132 | 0.125 | 0.012 | 0.420 | 0.004 | 5.750 | 5.766 | 0.408 | 6.174 | 577.0 |
| 80 12 16 1045 | | .3 | 1 | 0.124 | 0.100 | 0.056 | 0.550 | 0.012 | 5.240 | 5.308 | 0.494 | 5.802 | 587.0 |
| | | MAXIMUM | | 0.902 | 0.83 | 2.100 | 5.200 | 0.048 | 6.79 | 6.862 | 3.100 | 7.948 | 613.0 |
| | | ARITH MEAN | | 0.246 | 0.17 | 0.391 | 1.21 | 0.019 | 4.20 | 4.619 | 0.824 | 5.442 | 514 |
| | | GEOM MEAN | | 0.171 | 0.10 | 0.107 | 0.87 | 0.016 | 3.50 | 3.966 | 0.654 | 4.833 | 503 |
| | | MINIMUM | | 0.051 | 0.030 | 0.012 | 0.420 | 0.004 | 0.669 | 0.714 | 0.370 | 1.140 | 299.0 |
| | | STD DEV | | 0.261 | 0.23 | 0.653 | 1.42 | 0.013 | 2.10 | 1.991 | 0.816 | 2.171 | 106 |
| | | NO OF SAMPLES | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | RSP | RSF | COND25 | TURB | CLIDUR | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH FIELD |
| 80 01 14 1140 | | .3 | 1 | 38.0 | 38.0 | 620.0 | | 52.000 | |
| 80 02 14 1350 | | .3 | 1 | 5.0 | 608.0 | 1065.0 | | 140.000 | 7.9 |
| 80 03 18 0910 | | .3 | 1 | 51.0 | 392.0 | 620.0 | | 93.000 | 7.2 |
| 80 04 14 1240 | | .3 | 1 | 8.0 | 414.0 | 670.0 | | 60.000 | 7.6 |
| 80 06 12 1250 | | .3 | 1 | 3.0 | 296.0 | 485.0 | 1.60 | | |
| 80 07 14 1140 | | .3 | 1 | 8 | 576 | 900 | 4.3 | 109 | 7.4 |
| 80 08 12 1120 | | .3 | 1 | | | | | | 7.6 |
| 80 09 15 1200 | | .3 | 1 | 4.0 | 583.0 | 960.0 | | 126.000 | 7.5 |
| 80 10 16 1240 | | .3 | 1 | 4 | 591 | 1000 | | 122 | 7.7 |
| 80 11 17 1245 | | .3 | 1 | 2.0 | 575.0 | 980.0 | | 124.000 | 7.9 |
| 80 12 16 1045 | | .3 | 1 | 7.0 | 580.0 | 980.0 | | 113.000 | 7.9 |
| | | MAXIMUM | | 51.0 | 608.0 | 1065.0 | 4.3 | 140.000 | 7.9 |
| | | ARITH MEAN | | 13 | 465 | 828 | 2.9 | 104 | 7.6 |
| | | GEOM MEAN | | 7 | 386 | 802 | 2.6 | 99 | 7.6 |
| | | MINIMUM | | 2.0 | 38.0 | 485.0 | 1.60 | 52.000 | 7.2 |
| | | STD DEV | | 17 | 184 | 206 | 1.9 | 30 | 0.2 |
| | | NO OF SAMPLES | | 10 | 10 | 10 | 2 | 9 | 9 |

B.O.W./ SITE: **CREDIT RIVER**
SAMPLE POINT: **HIGHWAY 10 DNSTR.FROM ORANGEVILLE STP**
STATION TYPE: **RIVER FLOW GAUGE FED 02HB013**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **CREDIT RIVER**

STATION ID: **06-0076-006-02**
STORET CODE: **02**
**004**
**4170**

LAT: LONG: U T M: **17 0575210.0 4862025.0 4** REGION: **03** DISTANCE: **83.684**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 31 1210 | | .3 | 1 | 28315 | 4 | 0.550 | 460 | 1180 | 10< | 10< | 1.2 | 5.9 | 0.6 |
| 80 02 15 0915 | | .3 | 1 | 27021 | 4 | 0.490 | 560 | 540 | 4< | 8 | 0.0 | 5.2 | 1.0 |
| 80 03 12 1140 | | .3 | 1 | 28381 | 4 | 0.216 | 2800 | 8200 | 4 | 12 | 1.1 | 10.2 | 2.6 |
| 80 03 18 1355 | | .3 | 1 | 27035 | 3 | 2.060 | 2800C | 31000 | 110 | 260 | 1.0 | 9.0 | 5.0 |
| 80 03 27 1035 | | .3 | 1 | 28438 | 6 | 0.682 | 1300 | 3400 | 20I | 10I | 4.5 | 8.1 | 0.6 |
| 80 04 15 1155 | | .3 | 1 | 27047 | 3 | 2.660 | 1400 | 8200 | 50I | 160 | 2.0 | 9.8 | 1.0 |
| 80 04 22 1155 | | .3 | 1 | 28465 | 6 | 0.729 | 1300 | 2500 | 4< | 4< | 10.5 | 8.8 | 0.6 |
| 80 05 08 1130 | | .3 | 1 | 28513 | 6 | 0.448 | 1140 | 48000> | 20 | 48 | 9.5 | 9.1 | 0.6 |
| 80 05 15 1310 | | .3 | 1 | 27056 | 6 | 0.689 | 1380C | 16000 | 50I | 20 | 11.0 | 10.0 | 0.4 |
| 80 06 05 1130 | | .3 | 1 | 28552 | 6 | 0.639 | 5000C | 72000 | 232 | 248 | 16.0 | 7.8 | 0.8 |
| 80 06 13 1135 | | .3 | 1 | 27061 | 6 | 0.406 | | | | | 15.5 | 8.4 | 0.8 |
| 80 07 08 1215 | | .3 | 1 | 80079 | 7 | 0.489 | | | | | 21.0 | 5.5 | |
| 80 07 09 0005 | | .3 | 1 | 80078 | 7 | 0.556 | | | | | 21.0 | 1.4 | |
| 80 07 16 1155 | | .3 | 1 | 27080 | 7 9 | 1.010 | | | | | 21.5 | 3.6 | 1.2 |
| 80 07 17 1130 | | .3 | 1 | 28607 | 6 9 | 1.520 | 2100C | 63500 | 164 | 600> | 22.0 | 4.3 | 1.0 |
| 80 08 12 1145 | | .3 | 1 | 28661 | 6 | 0.493 | 700C | 59000 | 20I | 660 | 20.0 | 3.5 | 0.8 |
| 80 08 13 1205 | | .3 | 1 | 27092 | 7 9 | 0.504 | 180I | 10800 | 10I | 420 | 19.5 | 4.6 | 0.6 |
| 80 09 16 1145 | | .3 | 1 | 27104 | 7 9 | 0.417 | 180C | 16000 | 20I | 290 | 14.0 | 2.4 | 2.7 |
| 80 09 29 1115 | | .3 | 1 | 28701 | 8 | 0.390 | 100I | 18000 | 20< | 60I | 9.5 | 5.8 | 1.1 |
| 80 10 17 1125 | | .3 | 1 | 27116 | 8 | 0.494 | 150C | 7500 | 10< | 90I | 9.0 | 5.2 | 0.2 |
| 80 10 21 1200 | | .3 | 1 | 28762 | 8 | 0.512 | 260C | 6300 | 20I | 60I | 7.5 | 5.8 | 0.8 |
| 80 11 18 1155 | | .3 | 1 | 27128 | 8 | 0.459 | 640 | 4400 | 10I | 10I | 1.0 | 7.2 | 0.8 |
| 80 11 25 1120 | | .3 | 1 | 28804 | 6 | 0.444 | 1240C | 7600 | 30I | 20I | 4.0 | 6.6 | 0.8 |
| 80 12 16 1350 | | .3 | 1 | 27140 | 4 5 | 0.494 | 1600 | 17000 | 20< | 20I | 0.0 | 7.0 | 1.9 |
| 80 12 18 1030 | | .3 | 1 | 28850 | 4 | 0.455 | 840 | 3400 | 12 | 8 | 1.8 | 5.8 | 1.2 |
| | | MAXIMUM | | | | 2.660 | 5000 | 72000> | 232 | 660> | 22.0 | 10.2 | 5.0 |
| | | ARITH MEAN | | | | 0.712 | 1244 | 19263G | 40L | 144B | 9.8 | 6.4 | 1.2 |
| | | GEOM MEAN | | | | 0.597 | 792 | 9807G | 20L | 48B | 5.9 | 5.9 | 0.9 |
| | | MINIMUM | | | | 0.216 | 100 | 540 | 4< | 4< | 0.0 | 1.4 | 0.2 |
| | | STD DEV | | | | 0.560 | 1173 | 22080G | 59L | 200B | 7.9 | 2.4 | 1.0 |
| | | NO OF SAMPLES | | | | 25 | 21 | 21 | 21 | 21 | 25 | 25 | 23 |

(CONTD)

B.O.W./ SITE: **CREDIT RIVER**
SAMPLE POINT: **HIGHWAY 10 DNSTR.FROM ORANGEVILLE STP**
STATION TYPE: **RIVER FLOW GAUGE FED 02HB013**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **CREDIT RIVER**

STATION ID: **06-0076-008-02**
STORET CODE: **02**
**004**
**4170**

LAT: LONG: U T M: **17 0575210.0 4862025.0 4** REGION: **03** DISTANCE: **83.684**

| TEST-NAME: | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 31 1210 | | .3 | 1 | 0.148 | 0.128 | 0.660 | 1.130 | 0.018 | 2.780 | 3.458 | 0.470 | 3.928 | 412.0 |
| 80 02 15 0915 | | .3 | 1 | 0.143 | 0.110 | 1.000 | 1.500 | 0.021 | 2.830 | 3.851 | 0.500 | 4.351 | 416.0 |
| 80 03 12 1140 | | .3 | 1 | 0.425 | 0.295 | 6.050 | 7.700 | 0.039 | 2.960 | 9.049 | 1.650 | 10.699 | 1142.0 |
| 80 03 18 1355 | | .3 | 1 | 0.270 | 0.150 | 1.880 | 3.250 | 0.026 | 1.920 | 3.826 | 1.370 | 5.196 | 362.0 |
| 80 03 27 1035 | | .3 | 1 | 0.147 | 0.125 | 3.350 | 3.900 | 0.022 | 1.980 | 5.352 | 0.550 | 5.902 | 570.0 |
| 80 04 15 1155 | | .3 | 1 | 0.071 | 0.038 | 0.122 | 0.640 | 0.017 | 1.330 | 1.469 | 0.518 | 1.987 | 283.0 |
| 80 04 22 1155 | | .3 | 1 | 0.082 | 0.055 | 0.336 | 0.870 | 0.031 | 1.420 | 1.787 | 0.534 | 2.321 | 397.0 |
| 80 05 08 1130 | | .3 | 1 | 0.089 | 0.061 | 0.248 | 0.720 | 0.040 | 2.710 | 2.998 | 0.472 | 3.470 | 464.0 |
| 80 05 15 1310 | | .3 | 1 | 0.087 | 0.062 | 0.050 | 0.580 | 0.017 | 1.230 | 1.297 | 0.530 | 1.827 | 374.0 |
| 80 06 05 1130 | | .3 | 1 | 0.171 | 0.020 | 0.060 | 0.630 | 0.033 | 0.510 | 0.603 | 0.570 | 1.173 | 372.0 |
| 80 06 13 1135 | | .3 | 1 | 0.101 | 0.068 | 0.052 | 0.570 | 0.058 | 3.840 | 3.950 | 0.518 | 4.468 | 525.0 |
| 80 07 08 1215 | | .3 | 1 | 0.240 | 0.196 | 0.110 | 0.730 | 0.024 | 0.176 | 0.310 | 0.620 | 0.930 | |
| 80 07 09 0005 | | .3 | 1 | 0.253 | 0.195 | 0.048 | 0.640 | 0.013 | 0.042 | 0.103 | 0.592 | 0.695 | |
| 80 07 16 1155 | | .3 | 1 | 0.338 | 0.285 | 0.126 | 0.710 | 0.009 | 0.051 | 0.186 | 0.584 | 0.770 | 297.0 |
| 80 07 17 1130 | | .3 | 1 | 0.205 | 0.200 | 0.090 | 0.630 | 0.018 | 0.112 | 0.220 | 0.540 | 0.760 | 286.00 |
| 80 08 12 1145 | | .3 | 1 | 0.294 | 0.270 | 0.013 | 0.460 | 0.002 | 0.019 | 0.034 | 0.447 | 0.481 | 358.0 |
| 80 08 13 1205 | | .3 | 1 | 0.293 | 0.245 | 0.004 | 0.43 | 0.004 | 0.021 | 0.029 | 0.426 | 0.455 | 336.0 |
| 80 09 16 1145 | | .3 | 1 | 0.230 | 0.160 | 1.25 | 1.89 | 0.029 | 0.135 | 1.414 | 0.640 | 2.054 | 411 |
| 80 09 29 1115 | | .3 | 1 | 0.069 | 0.051 | 0.240 | 0.71 | 0.079 | 0.880 | 1.199 | 0.470 | 1.669 | 367 |
| 80 10 17 1125 | | .3 | 1 | 0.066 | 0.049 | 0.036 | 0.49 | 0.029 | 1.87 | 1.935 | 0.454 | 2.389 | 365 |
| 80 10 21 1200 | | .3 | 1 | 0.071 | 0.046 | 0.082 | 0.570 | 0.043 | 2.010 | 2.135 | 0.488 | 2.623 | 378.0 |
| 80 11 18 1155 | | .3 | 1 | 0.057 | 0.032 | 0.430 | 0.910 | 0.032 | 1.820 | 2.282 | 0.480 | 2.762 | 415.0 |
| 80 11 25 1120 | | .3 | 1 | 0.064 | 0.032 | 0.176 | 0.650 | 0.025 | 3.680 | 3.881 | 0.474 | 4.355 | 405.0 |
| 80 12 16 1350 | | .3 | 1 | 0.390 | 0.047 | 0.500 | 2.280 | 0.036 | 3.510 | 4.046 | 1.780 | 5.826 | 488.0 |
| 80 12 18 1030 | | .3 | 1 | 0.064 | 0.043 | 0.460 | 0.890 | 0.003 | 3.600 | 4.063 | 0.430 | 4.493 | 441.0 |
| MAXIMUM | | | | **0.425** | **0.295** | **6.050** | **7.700** | **0.079** | **3.840** | **9.049** | **1.780** | **10.699** | **1142.0** |
| ARITH MEAN | | | | **0.175** | **0.119** | **0.69** | **1.33** | **0.027** | **1.65** | **2.379** | **0.644** | **3.023** | **428** |
| GEOM MEAN | | | | **0.142** | **0.088** | **0.19** | **0.94** | **0.020** | **0.74** | **1.191** | **0.585** | **2.225** | **409** |
| MINIMUM | | | | **0.057** | **0.020** | **0.004** | **0.43** | **0.002** | **0.019** | **0.029** | **0.426** | **0.455** | **283.0** |
| STD DEV | | | | **0.112** | **0.089** | **1.34** | **1.58** | **0.017** | **1.31** | **2.117** | **0.370** | **2.340** | **170** |
| NO OF SAMPLES | | | | **25** | **25** | **25** | **25** | **25** | **25** | **25** | **25** | **25** | **23** |

| TEST-NAME: | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 31 1210 | | .3 | 1 | 5.0 | 407.0 | 650.0 | 1.85 | 55.000 | 7.72 | |
| 80 02 15 0915 | | .3 | 1 | 3.0 | 413.0 | 710.0 | | 70.000 | 7.46 | 7.0 |
| 80 03 12 1140 | | .3 | 1 | 10.0 | 1132.0 | 620.0 | 6.70 | 405.000 | 7.66 | |
| 80 03 18 1355 | | .3 | 1 | 12.0 | 350.0 | 550.0 | | 100.000 | 7.66 | 7.0 |
| 80 03 27 1035 | | .3 | 1 | 3.0 | 567.0 | 910.0 | 1.70 | 125.000 | 7.68 | |
| 80 04 15 1155 | | .3 | 1 | 12.0 | 271.0 | 415.0 | | 30.500 | 7.72 | 7.1 |
| 80 04 22 1155 | | .3 | 1 | 3.0 | 394.0 | 620.0 | 1.30 | 57.000 | 7.65 | |
| 80 05 08 1130 | | .3 | 1 | 1.0 | 463.0 | 750.0 | 0.90 | 84.000 | | |
| 80 05 15 1310 | | .3 | 1 | 1.0 | 373.0 | 650.0 | | 61.000 | 7.95 | 7.4 |
| 80 06 05 1130 | | .3 | 1 | 2.0 | 370.0 | 600.0 | 1.30 | 56.000 | 7.91 | |
| 80 06 13 1135 | | .3 | 1 | 4.0 | 521.0 | 750.0 | | 94.000 | 8.42 | |
| 80 07 08 1215 | | .3 | 1 | | | 600.0 | | | 7.67 | 7.60 |
| 80 07 09 0005 | | .3 | 1 | | | 550.0 | | | 7.57 | 7.25 |
| 80 07 16 1155 | | .3 | 1 | 1.0 | 296.0 | 475.0 | | 39.000 | 7.53 | 7.2 |
| 80 07 17 1130 | | .3 | 1 | 3.00 | | 435.0 | 2.00 | 33.000 | 7.65 | 7.4 |
| 80 08 12 1145 | | .3 | 1 | 2.0 | 356.0 | 550.0 | 0.70 | 52.500 | 7.52 | 7.5 |
| 80 08 13 1205 | | .3 | 1 | 1.0 | 335.0 | 550.0 | 0.60 | 51.0 | 7.49 | 6.5 |
| 80 09 16 1145 | | .3 | 1 | 10 | 401 | 620 | | 62.0 | 7.86 | 6.9 |
| 80 09 29 1115 | | .3 | 1 | 2 | 367 | 630 | 0.55 | 64.5 | 7.92 | 7.5 |
| 80 10 17 1125 | | .3 | 1 | 0.5 | 365 | 620 | 0.35 | 52.0 | 7.59 | 7.0 |
| 80 10 21 1200 | | .3 | 1 | 4.0 | 374.0 | 620.0 | 1.00 | 65.000 | 7.68 | 6.8 |
| 80 11 18 1155 | | .3 | 1 | 2.0 | 413.0 | 690.0 | | 72.000 | 7.62 | 6.9 |
| 80 11 25 1120 | | .3 | 1 | 5.0 | 400.0 | 680.0 | 1.50 | 68.000 | 7.58 | 7.25 |
| 80 12 16 1350 | | .3 | 1 | 58.0 | 430.0 | 740.0 | | 64.000 | 7.61 | 7.1 |
| 80 12 18 1030 | | .3 | 1 | 1.0 | 440.0 | 740.0 | 1.40 | 70.000 | 8.01 | 7.1 |
| MAXIMUM | | | | **58.0** | **1132.0** | **910.0** | **6.70** | **405.000** | **8.42** | **7.60** |
| ARITH MEAN | | | | **6** | **429** | **629** | **1.56** | **79.5** | **7.71** | **7.1** |
| GEOM MEAN | | | | **3** | **409** | **619** | **1.19** | **66.8** | **7.71** | **7.1** |
| MINIMUM | | | | **0.5** | **271.0** | **415.0** | **0.35** | **30.500** | **7.46** | **6.5** |
| STD DEV | | | | **11** | **170** | **108** | **1.56** | **74.0** | **0.21** | **0.2** |
| NO OF SAMPLES | | | | **23** | **22** | **25** | **14** | **23** | **24** | **18** |

B.O.W./ SITE: **BLACK CREEK**
SAMPLE POINT: **FIRST CONCESSION UPSTREAM FROM LIMEHOUSE**
STATION TYPE: **RIVER FLOW GAUGE FED 02HB106**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **CREDIT RIVER**

STATION ID: **06-0076-006-02**
STORET CODE: **02**
**004**
**4170**

LAT: LONG: U T M: **17 0579750.0 4830925.0 4** REGION: **03** DISTANCE: **50.854**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 14 1255 | | .3 | 1 | 27006 | 6 | 310 | 2400 | 8 | 32 | 0.0 | 9.2 | 6.6 | 0.133 |
| 80 02 14 1325 | | .3 | 1 | 27017 | 6 | 100< | 1100 | 10< | 60I | 0.0 | 8.8 | 6.8 | 0.300 |
| 80 03 18 1005 | | .3 | 1 | 27030 | 6 | 2500 | 18000 | 270 | 1500> | 2.0 | 8.0 | 16.0 | 0.605 |
| 80 04 14 1308 | | .3 | 1 | 27042 | 6 | 630C | 3400 | 10< | 30I | 14.0 | 10.0 | 3.8 | 0.263 |
| 80 05 15 1130 | | .3 | 1 | 27051 | 6 | 400I | 21000 | 10< | 10< | 10.0 | 10.8 | 1.0 | 0.095 |
| 80 06 12 1315 | | .3 | 1 | 27068 | 6 | | | | | 15.0 | 11.8 | 1.4 | 0.120 |
| 80 07 16 0930 | | .3 | 1 | 27075 | 6 7 | 1800C | 55000 | 290 | 350 | 19.0 | 5.4 | 0.8 | 0.560 |
| 80 08 13 0935 | | .3 | 1 | 27087 | 7 5 | 1800C | 34000 | 60I | 420 | 16.5 | 6.6 | 0.6 | 0.141 |
| 80 09 15 1325 | | .3 | 1 | 27099 | 5 7 | 1400 | 16000 | 50I | 130 | 16.0 | 9.2 | 0.9 | 2.390 |
| 80 10 17 0920 | | .3 | 1 | 27112 | 5 7 | 1100 | 7300 | 310 | 350 | 10.0 | 6.4 | 4.4 | 0.165 |
| 80 11 18 0925 | | .3 | 1 | 27123 | 6 | 360 | 5200 | 40I | 50I | 0.5 | 10.8 | 2.5 | 0.245 |
| 80 12 16 1150 | | .3 | 1 | 27135 | 6 | 560 | 4600 | 10< | 10I | 0.0 | 9.6 | 3.2 | 0.190 |

(CONTD)

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| MAXIMUM | | | | | | | 2500 | 56000 | 310 | 1600> | 19.0 | 11.8 | 16.0 | 2.390 |
| ARITH MEAN | | | | | | | 996L | 15273 | 97L | 2678 | 8.6 | 8.9 | 4.0 | 0.434 |
| GEOM MEAN | | | | | | | 700L | 8546 | 38L | 898 | 4.7 | 8.7 | 2.5 | 0.282 |
| MINIMUM | | | | | | | 100< | 1100 | 8< | 10< | 0.0 | 5.4 | 0.6 | 0.096 |
| STD DEV | | | | | | | 780L | 16602 | 126L | 4378 | 7.8 | 2.0 | 4.4 | 0.636 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 14 1255 | | | .3 | 1 | 0.033 | 2.100 | 3.130 | 0.076 | 3.320 | 5.496 | 1.030 | 6.526 | 678.0 | 8.0 |
| 80 02 14 1325 | | | .3 | 1 | 0.079 | 4.800 | 3.400 | | 5.750 | | 1.400 | | 1067.0 | 10.0 |
| 80 03 18 1005 | | | .3 | 1 | 0.130 | 9.900 | 14.500 | 0.200 | 3.050 | 13.150 | 4.600 | 17.750 | 970.0 | 24.0 |
| 80 04 14 1308 | | | .3 | 1 | 0.125 | 2.950 | 4.300 | 0.081 | 3.020 | 6.051 | 1.350 | 7.401 | 650.0 | 5.0 |
| 80 05 15 1130 | | | .3 | 1 | 0.047 | 0.082 | 0.670 | 0.080 | 4.320 | 4.482 | 0.588 | 5.070 | 670.0 | 3.0 |
| 80 06 12 1315 | | | .3 | 1 | 0.078 | 0.012 | 0.660 | 0.026 | 1.120 | 1.158 | 0.648 | 1.806 | 377.0 | 2.0 |
| 80 07 16 0930 | | | .3 | 1 | 0.086 | 0.048 | 0.108 | 0.051 | 4.950 | 5.049 | 0.060 | 5.109 | 873.0 | 1.0 |
| 80 08 13 0935 | | | .3 | 1 | 0.120 | 0.026 | 0.46 | 0.014 | 7.24 | 7.280 | 0.434 | 7.714 | 935 | 1 |
| 80 09 15 1325 | | | .3 | 1 | 0.200 | 0.090 | 0.600 | 0.097 | 8.890 | 9.077 | 0.510 | 9.587 | 1100.0 | 2.0 |
| 80 10 17 0920 | | | .3 | 1 | 0.095 | 0.142 | 1.75 | 0.003 | 9.3 | 9.445 | 1.608 | 11.053 | 1109 | 3 |
| 80 11 18 0925 | | | .3 | 1 | 0.140 | 0.680 | 1.220 | 0.220 | 7.730 | 8.630 | 0.540 | 9.170 | 1086.0 | 27.0 |
| 80 12 16 1150 | | | .3 | 1 | 0.120 | 1.330 | 1.800 | 0.093 | 5.910 | 7.333 | 0.470 | 7.803 | 908.0 | 5.0 |
| MAXIMUM | | | | | 0.200 | 9.900 | 14.800 | 0.220 | 9.3 | 13.150 | 4.600 | 17.750 | 1109 | 27.0 |
| ARITH MEAN | | | | | 0.104 | 1.847 | 2.71 | 0.086 | 5.3 | 7.014 | 1.103 | 8.090 | 868 | 7 |
| GEOM MEAN | | | | | 0.095 | 0.366 | 1.34 | 0.064 | 4.6 | 6.122 | 0.717 | 7.110 | 833 | 4 |
| MINIMUM | | | | | 0.033 | 0.012 | 0.108 | 0.003 | 1.120 | 1.158 | 0.060 | 1.806 | 377.0 | 1.0 |
| STD DEV | | | | | 0.046 | 2.947 | 3.94 | 0.069 | 2.5 | 3.137 | 1.196 | 4.076 | 229 | 8 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 11 | 12 | 11 | 12 | 11 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 14 1255 | | | .3 | 1 | 8.0 | 1100.0 | | 155.000 | | |
| 80 02 14 1325 | | | .3 | 1 | 1057.0 | 1700.0 | | 310.000 | 7.79 | 7.4 |
| 80 03 18 1005 | | | .3 | 1 | 946.0 | 1650.0 | | 313.000 | | 7.2 |
| 80 04 14 1308 | | | .3 | 1 | 645.0 | 1070.0 | | 150.000 | | 7.4 |
| 80 05 15 1130 | | | .3 | 1 | 667.0 | 1100.0 | | 170.000 | 8.14 | 7.4 |
| 80 06 12 1315 | | | .3 | 1 | 375.0 | 650.0 | 1.00 | | | |
| 80 07 16 0930 | | | .3 | 1 | 872.0 | 1350.0 | | 215.000 | 8.04 | 7.2 |
| 80 08 13 0935 | | | .3 | 1 | 934 | 1550 | 0.85 | 305 | 8.05 | 7.4 |
| 80 09 15 1325 | | | .3 | 1 | 1098.0 | 1850.0 | | 338.000 | | 7.3 |
| 80 10 17 0920 | | | .3 | 1 | 1106 | 1900 | 1.5 | 318 | 7.73 | 7.2 |
| 80 11 18 0925 | | | .3 | 1 | 1059.0 | 1800.0 | 2.20 | 320.000 | 7.86 | 6.9 |
| 80 12 16 1150 | | | .3 | 1 | 903.0 | 1520.0 | | 240.000 | | 7.7 |
| MAXIMUM | | | | | 1106 | 1900 | 2.20 | 338.000 | 8.14 | 7.7 |
| ARITH MEAN | | | | | 806 | 1436 | 1.3 | 257 | 7.93 | 7.3 |
| GEOM MEAN | | | | | 571 | 1379 | 1.2 | 246 | 7.93 | 7.3 |
| MINIMUM | | | | | 8.0 | 650.0 | 0.85 | 150.000 | 7.73 | 6.9 |
| STD DEV | | | | | 333 | 386 | 0.6 | 73 | 0.16 | 0.2 |
| NO OF SAMPLES | | | | | 12 | 12 | 4 | 11 | 6 | 10 |

B.O.W./ SITE: **CREDIT RIVER**
SAMPLE POINT: **AT COUNTY ROAD 9 TERRA COTTA**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **CREDIT RIVER**

STATION ID: **06-0076-010-02**
STORET CODE: **02**
**004**
**4170**

LAT:
LONG:
U T M: **17 0586100.0 4841500.0 4**
REGION: **03**
DISTANCE: **50.210**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT | PPO4FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P |
| 80 01 15 0930 | | | .3 | 1 | 27009 | 6 | 770C | 7000 | 56 | 252 | 0.0 | 13.6 | 0.035 | |
| 80 02 15 1030 | | | .3 | 1 | 27022 | 6 | 2020 | 700 | 4< | 44 | 0.0 | 11.6 | 0.028 | |
| 80 03 18 1110 | | | .3 | 1 | 27032 | 3 | 12200 | 15000 | 310 | 670 | 0.0 | 10.0 | 0.148 | 0.028 |
| 80 04 15 1015 | | | .3 | 1 | 27044 | 3 | 2900 | 9200 | 360 | 1260 | 2.0 | 13.2 | 0.188 | 0.017 |
| 80 05 15 1220 | | | .3 | 1 | 27053 | 6 | 600I | 5000 | 20I | 60I | 10.0 | 12.8 | 0.020 | 0.001 |
| 80 06 13 1005 | | | .3 | 1 | 27058 | 6 | | | | | 15.0 | 11.4 | 0.019 | 0.001 |
| 80 07 16 1020 | | | .3 | 1 | 27077 | 6 | | | | | 20.5 | 5.2 | 0.103 | 0.019 |
| 80 08 13 1020 | | | .3 | 1 | 27089 | 6 9 | 800 | 25000 | 60I | 800 | 20.0 | 7.6 | 0.022 | 0.005 |
| 80 09 16 1020 | | | .3 | 1 | 27101 | 6 9 | 750 | 14000 | 80I | 320 | 14.0 | 7.6 | 0.023 | 0.012 |
| 80 10 17 0955 | | | .3 | 1 | 27113 | 6 9 | 100I | 3500 | 40I | 120 | 8.0 | 10.8 | 0.019 | 0.004 |
| 80 11 18 1015 | | | .3 | 1 | 27125 | 6 | 120I | 780 | 30I | 10I | 0.5 | 13.2 | 0.010 | 0.001 |
| 80 12 16 1230 | | | .3 | 1 | 27137 | 6 | 430C | 2900 | 12 | 8 | 0.0 | 13.2 | 0.021 | 0.006 |
| MAXIMUM | | | | | | | 12200 | 25000 | 360 | 1260 | 20.5 | 13.6 | 0.188 | 0.028 |
| ARITH MEAN | | | | | | | 2089 | 8308 | 97L | 364 | 7.5 | 10.8 | 0.063 | 0.009 |
| GEOM MEAN | | | | | | | 796 | 4979 | 45L | 130 | 3.7 | 10.5 | 0.034 | 0.006 |
| MINIMUM | | | | | | | 100 | 700 | 4< | 8 | 0.0 | 5.2 | 0.010 | 0.001 |
| STD DEV | | | | | | | 3665 | 7718 | 128L | 422 | 8.2 | 2.7 | 0.059 | 0.009 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 12 | 12 | 12 | 10 |

(CONTD)

B.O.W./ SITE: **CREDIT RIVER**
SAMPLE POINT: **AT COUNTY ROAD 9 TERRA COTTA**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **CREDIT RIVER**

STATION ID: **06-0076-010-02**
STORET CODE: **02**
**004**
**4170**

LAT: LONG: U T M: **17 0586100.0 4841500.0 4** REGION: **03** DISTANCE: **50.210**

| TEST-NAME: | | | | NNHTFR | NNO2FR | COND25 | PH | FWPH |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NH3-N TOTAL FIL.REAC MG/L AS N | NO2-N FIL.REAC MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | PH | PH FIELD |
| 80 01 15 0930 | | .3 | 1 | 0.070 | | 470.0 | 7.96 | 7.8 |
| 80 02 15 1030 | | .3 | 1 | 0.092 | | 560.0 | 7.94 | 7.6 |
| 80 03 18 1110 | | .3 | 1 | 0.450 | 0.029 | 485.0 | 7.69 | 7.6 |
| 80 04 15 1015 | | .3 | 1 | 0.040 | 0.013 | 390.0 | 8.07 | 7.5 |
| 80 05 15 1220 | | .3 | 1 | 0.016 | 0.005 | 490.0 | 8.46 | 8.0 |
| 80 06 13 1005 | | .3 | 1 | 0.006 | 0.028 | 550.0 | 8.45 | |
| 80 07 16 1020 | | .3 | 1 | 0.064 | 0.014 | 455.0 | 8.20 | 7.8 |
| 80 08 13 1020 | | .3 | 1 | 0.010 | 0.006 | 470 | 8.42 | 7.8 |
| 80 09 16 1020 | | .3 | 1 | 0.042 | 0.008 | 500 | 8.32 | 7.8 |
| 80 10 17 0955 | | .3 | 1 | 0.030 | 0.004 | 520 | 8.35 | 7.4 |
| 80 11 18 1015 | | .3 | 1 | 0.006 | 0.002 | 550.0 | 8.41 | 7.7 |
| 80 12 16 1230 | | .3 | 1 | 0.036 | 0.006 | 550.0 | 8.29 | 7.5 |
| **MAXIMUM** | | | | **0.450** | **0.029** | **560.0** | **8.46** | **8.0** |
| **ARITH MEAN** | | | | **0.072** | **0.011** | **499** | **8.21** | **7.7** |
| **GEOM MEAN** | | | | **0.033** | **0.008** | **496** | **8.21** | **7.7** |
| **MINIMUM** | | | | **0.006** | **0.002** | **390.0** | **7.69** | **7.4** |
| **STD DEV** | | | | **0.122** | **0.010** | **60** | **0.25** | **0.2** |
| **NO OF SAMPLES** | | | | **12** | **10** | **12** | **12** | **11** |

B.O.W./ SITE: **CREDIT RIVER**
SAMPLE POINT: **AT 22ND SIDE ROAD GLEN WILLIAMS**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **CREDIT RIVER**

STATION ID: **06-0076-013-02**
STORET CODE: **02**
**004**
**4170**

LAT: LONG: U T M: **17 0586500.0 4835400.0 4** REGION: **03** DISTANCE: **40.233**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 14 1340 | | .3 | 1 | 27008 | 4 | 1900C | 14000 | 130 | 1340 | 0.0 | 8.2 | 0.051 | 0.054 |
| 80 02 15 1100 | | .3 | 1 | 27023 | 4 | 400I | 300 | 10< | 70I | 0.0 | 10.0 | 0.020 | 0.080 |
| 80 03 18 1045 | | .3 | 1 | 27031 | 3 | 10400 | 17000 | 200 | 480 | 0.0 | 12.4 | 0.165 | 0.366 |
| 80 04 14 1330 | | .3 | 1 | 27043 | 6 | 570 | 1350 | 20I | 30I | 3.0 | 10.4 | 0.031 | 0.018 |
| 80 05 15 1145 | | .3 | 1 | 27052 | 6 | 240C | 4800 | 40I | 30I | 10.0 | 11.2 | 0.018 | 0.020 |
| 80 06 13 0925 | | .3 | 1 | 27057 | 6 8 | | | | | 13.0 | 11.0 | 0.028 | 0.010 |
| 80 07 16 0955 | | .3 | 1 | 27076 | 6 | | | | | 21.0 | 5.4 | 0.108 | 0.062 |
| 80 08 13 0950 | | .3 | 1 | 27088 | 6 | 800I | 33000 | 40I | 1500 | 20.0 | 8.0 | 0.023 | 0.012 |
| 80 09 16 1005 | | .3 | 1 | 27100 | 6 | 650 | 8000 | 50I | 60I | 14.0 | 7.6 | 0.013 | 0.026 |
| 80 10 17 0900 | | .3 | 1 | 27111 | 6 | 450I | 7500 | 100 | 1500> | 8.0 | 10.0 | 0.022 | 0.030 |
| 80 11 18 0955 | | .3 | 1 | 27124 | 6 | 520 | 1160 | 10< | 20I | 0.5 | 13.4 | 0.012 | 0.006 |
| 80 12 16 1215 | | .3 | 1 | 27136 | 6 | 300 | 1940 | 4< | 16 | 0.0 | 14.4 | 0.015 | 0.012 |
| **MAXIMUM** | | | | | | **10400** | **33000** | **200** | **1500>** | **21.0** | **14.4** | **0.165** | **0.366** |
| **ARITH MEAN** | | | | | | **1623** | **8906** | **60L** | **505G** | **7.5** | **10.2** | **0.042** | **0.058** |
| **GEOM MEAN** | | | | | | **724** | **4280** | **33L** | **133G** | **3.8** | **9.8** | **0.029** | **0.028** |
| **MINIMUM** | | | | | | **240** | **300** | **4<** | **16** | **0.0** | **5.4** | **0.012** | **0.006** |
| **STD DEV** | | | | | | **3120** | **10173** | **64L** | **660G** | **8.0** | **2.6** | **0.047** | **0.100** |
| **NO OF SAMPLES** | | | | | | **10** | **10** | **10** | **10** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | NNO3FR | COND25 | PH | FWPH |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | PH | PH FIELD |
| 80 01 14 1340 | | .3 | 1 | | 440.0 | 7.94 | |
| 80 02 15 1100 | | .3 | 1 | | 540.0 | 7.92 | 7.7 |
| 80 03 18 1045 | | .3 | 1 | | 470.0 | 7.65 | 7.4 |
| 80 04 14 1330 | | .3 | 1 | 0.095 | 465.0 | 8.31 | 8.0 |
| 80 05 15 1145 | | .3 | 1 | | 490.0 | 8.49 | 7.9 |
| 80 06 13 0925 | | .3 | 1 | | 1150.0 | 8.21 | |
| 80 07 16 0955 | | .3 | 1 | | 4[illegible].0 | 8.21 | 8.1 |
| 80 08 13 0950 | | .3 | 1 | | 460 | 8.53 | 8.0 |
| 80 09 16 1005 | | .3 | 1 | | 495 | 8.34 | 7.9 |
| 80 10 17 0900 | | .3 | 1 | 0.805 | 520 | 8.38 | 7.5 |
| 80 11 18 0955 | | .3 | 1 | 1.000 | 530.0 | 8.40 | 7.1 |
| 80 12 16 1215 | | .3 | 1 | 1.300 | 560.0 | 8.42 | 7.55 |
| **MAXIMUM** | | | | **1.300** | **1150.0** | **8.53** | **8.1** |
| **ARITH MEAN** | | | | **0.800** | **548** | **8.23** | **7.7** |
| **GEOM MEAN** | | | | **0.562** | **528** | **8.23** | **7.7** |
| **MINIMUM** | | | | **0.095** | **440.0** | **7.65** | **7.1** |
| **STD DEV** | | | | **0.512** | **193** | **0.27** | **0.3** |
| **NO OF SAMPLES** | | | | **4** | **12** | **12** | **10** |

B.O.W./ SITE: **CREDIT RIVER ERIN BRANCH**
SAMPLE POINT: **AT WELLINGTON AND PEEL COUNTY BOUNDRY**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **CREDIT RIVER**

STATION ID: **06-0078-015-02**
STORET CODE: **02**
**004**
**4170**

LAT: LONG: U T M: **17 0577600.0 4848100.0 4** REGION: **03** DISTANCE: **08.044**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 15 1045 | | | .3 | 1 | 27010 | 6 | 580C | 5600 | 48 | 368 | 0.0 | 12.0 | | 0.018 |
| 80 02 15 0830 | | | .3 | 1 | 27019 | 6 | 2100 | 1600 | 24 | 76 | 0.0 | 12.8 | | 0.009 |
| 80 03 18 1305 | | | .3 | 1 | 27033 | 6 | 15900C | 19000 | 850 | 610 | 1.0 | 9.6 | 3.2 | 0.083 |
| 80 04 15 1055 | | | .3 | 1 | 27045 | 3 | 121000 | 24000 | 780 | 3000> | 2.0 | 10.6 | 1.0 | 0.055 |
| 80 05 15 1245 | | | .3 | 1 | 27054 | 6 | 800I | 4100 | 20I | 100< | 10.0 | 12.0 | 1.2 | 0.012 |
| 80 06 13 1035 | | | .3 | 1 | 27059 | 6 | | | | | 15.0 | 10.1 | 0.8 | 0.030 |
| 80 07 16 1055 | | | .3 | 1 | 27078 | 6 | | | | | 19.0 | 6.6 | 0.8 | 0.028 |
| 80 08 13 1050 | | | .3 | 1 | 27090 | 6 8 | 500C | 1550 | 50I | 680 | 16.5 | 6.6 | 0.6 | 0.012 |
| 80 09 16 1040 | | | .3 | 1 | 27102 | 6 8 | 750 | 8500 | 20I | 280 | 13.0 | 7.0 | 0.8 | 0.014 |
| 80 10 17 1035 | | | .3 | 1 | 27114 | 6 8 | 150I | 2950 | 10I | 60I | 8.0 | 9.8 | 0.2 | 0.011 |
| 80 11 18 1110 | | | .3 | 1 | 27126 | 6 | 160I | 700 | 10I | 10< | 1.0 | 12.2 | 0.2< | 0.004 |
| 80 12 16 1305 | | | .3 | 1 | 27138 | 6 | 476C | 2800 | 28 | 10 | 0.0 | 11.8 | 0.6 | 0.013 |
| MAXIMUM | | | | | | | 121000 | 24000 | 850 | 3000> | 19.0 | 12.8 | 3.2 | 0.083 |
| ARITH MEAN | | | | | | | 14242 | 7080 | 184 | 5198 | 7.1 | 10.1 | 0.9L | 0.024 |
| GEOM MEAN | | | | | | | 1232 | 4079 | 46 | 1509 | 3.8 | 9.8 | 0.7L | 0.017 |
| MINIMUM | | | | | | | 150 | 700 | 10 | 10< | 0.0 | 6.6 | 0.2< | 0.004 |
| STD DEV | | | | | | | 37818 | 8016 | 333 | 9068 | 7.3 | 2.3 | 0.9L | 0.023 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 12 | 12 | 10 | 12 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 15 1045 | | | .3 | 1 | | 0.046 | | | | | | | | |
| 80 02 15 0830 | | | .3 | 1 | | 0.020 | | | | | | | | |
| 80 03 18 1305 | | | .3 | 1 | 0.033 | 0.346 | 1.080 | 0.022 | 2.280 | 2.648 | 0.734 | 3.382 | 269.0 | 9.0 |
| 80 04 15 1055 | | | .3 | 1 | 0.007 | 0.028 | 0.600 | 0.007 | 0.703 | 0.738 | 0.572 | 1.310 | 240.0 | 19.0 |
| 80 05 15 1245 | | | .3 | 1 | 0.001< | 0.024 | 0.420 | 0.003 | 1.200 | 1.227 | 0.396 | 1.623 | 302.0 | 3.0 |
| 80 06 13 1035 | | | .3 | 1 | 0.001 | 0.010 | 0.570 | 0.012 | 0.343 | 0.365 | 0.560 | 0.925 | 482.0 | 3.0 |
| 80 07 16 1055 | | | .3 | 1 | 0.003 | 0.020 | 0.540 | 0.008 | 1.140 | 1.168 | 0.520 | 1.688 | 318.0 | 6.0 |
| 80 08 13 1050 | | | .3 | 1 | 0.001 | 0.006 | 0.31 | 0.008 | 1.55 | 1.564 | 0.304 | 1.868 | 329 | 3 |
| 80 09 16 1040 | | | .3 | 1 | 0.005 | 0.020 | 0.31 | 0.004 | 1.65 | 1.674 | 0.290 | 1.964 | 317 | 0.1 |
| 80 10 17 1035 | | | .3 | 1 | 0.002 | 0.078 | 0.35 | 0.008 | 1.79 | 1.876 | 0.272 | 2.148 | 322 | 1 |
| 80 11 18 1110 | | | .3 | 1 | 0.001 | 0.008 | 0.280 | 0.003 | 1.950 | 1.961 | 0.272 | 2.233 | 335.0 | 1.0 |
| 80 12 16 1305 | | | .3 | 1 | 0.004 | 0.040 | 0.380 | 0.008 | 1.940 | 1.988 | 0.340 | 2.328 | 344.0 | 2.0 |
| MAXIMUM | | | | | 0.033 | 0.346 | 1.080 | 0.022 | 2.280 | 2.648 | 0.734 | 3.382 | 482.0 | 19.0 |
| ARITH MEAN | | | | | 0.006L | 0.054 | 0.48 | 0.008 | 1.45 | 1.521 | 0.426 | 1.947 | 325 | 4 |
| GEOM MEAN | | | | | 0.003L | 0.027 | 0.44 | 0.007 | 1.29 | 1.348 | 0.401 | 1.846 | 320 | 2 |
| MINIMUM | | | | | 0.001< | 0.006 | 0.280 | 0.003 | 0.343 | 0.365 | 0.272 | 0.925 | 240.0 | 0.1 |
| STD DEV | | | | | 0.010L | 0.094 | 0.23 | 0.006 | 0.60 | 0.666 | 0.161 | 0.663 | 63 | 5 |
| NO OF SAMPLES | | | | | 10 | 12 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 15 1045 | | | .3 | 1 | | 450.0 | | | 7.95 | 7.6 |
| 80 02 15 0830 | | | .3 | 1 | | 550.0 | | | 7.82 | 7.8 |
| 80 03 18 1305 | | | .3 | 1 | | 400.0 | | 22.500 | 7.72 | 7.5 |
| 80 04 15 1055 | | | .3 | 1 | 221.0 | 340.0 | | 10.000 | 7.88 | 7.6 |
| 80 05 15 1245 | | | .3 | 1 | 299.0 | 470.0 | | 16.500 | 8.34 | 7.8 |
| 80 06 13 1035 | | | .3 | 1 | 479.0 | 750.0 | | 85.000 | 8.40 | |
| 80 07 16 1055 | | | .3 | 1 | 312.0 | 475.0 | | 16.500 | 8.17 | 7.7 |
| 80 08 13 1050 | | | .3 | 1 | 326 | 500 | 0.85 | 19.0 | 8.26 | 7.4 |
| 80 09 16 1040 | | | .3 | 1 | 317 | 520 | | 19.5 | 8.33 | 7.3 |
| 80 10 17 1035 | | | .3 | 1 | 321 | 540 | 0.45 | 18.5 | 8.21 | 7.6 |
| 80 11 18 1110 | | | .3 | 1 | 334.0 | 540.0 | | 18.500 | 8.23 | 7.6 |
| 80 12 16 1305 | | | .3 | 1 | 342.0 | 550.0 | | 19.500 | 8.20 | 7.6 |
| MAXIMUM | | | | | 479.0 | 750.0 | 0.85 | 85.000 | 8.40 | 7.8 |
| ARITH MEAN | | | | | 327 | 507 | 0.65 | 24.5 | 8.13 | 7.6 |
| GEOM MEAN | | | | | 322 | 498 | 0.62 | 20.4 | 8.12 | 7.6 |
| MINIMUM | | | | | 221.0 | 340.0 | 0.45 | 10.000 | 7.72 | 7.3 |
| STD DEV | | | | | 66 | 100 | 0.28 | 21.4 | 0.22 | 0.2 |
| NO OF SAMPLES | | | | | 9 | 12 | 2 | 10 | 12 | 11 |

B.O.W./ SITE: **FLETCHER'S CREEK**
SAMPLE POINT: **AT STEELS AVE,BRAMPTON**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **CREDIT RIVER**

STATION ID: **06-0076-016-02**
STORET CODE: **02**
**004**
**4170**

LAT: LONG: U T M: **17 0601450.0 4834500.0 4** REGION: **03** DISTANCE: **26.232**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 14 1105 | | | .3 | 1 | 27002 | 6 4 | 15000C | 310000 | 1180 | 3000> | 0.0 | 10.3 | 1.4 | 0.168 |
| 80 02 14 1100 | | | .3 | 1 | 27014 | 4 | 4000I | 6000 | 900I | 3700 | 0.0 | 14.0 | 2.0 | 0.016 |
| 80 03 17 1120 | | | .3 | 1 | 27026 | 4 | 3700 | 16500 | 280 | 2300 | 0.0 | 10.4 | 3.4 | 0.090 |
| 80 04 14 1052 | | | .3 | 1 | 27038 | 6 | 150 | 1000 | 10I | 80I | 4.0 | 12.0 | 1.0 | 0.068 |
| 80 05 14 1030 | | | .3 | 1 | 27048 | 6 | 23000C | 490000 | 1040 | 740 | 11.5 | 10.0 | 2.0 | 0.072 |
| 80 06 12 1130 | | | .3 | 1 | 27065 | 6 | | | | | 16.0 | 12.4 | 1.0 | 0.020 |
| 80 07 14 1045 | | | .3 | 1 | 27071 | 9 6 0 | 10000 | 110000 | 140I | 460 | 23.0 | 6.6 | 1.4 | 0.060 |
| 80 08 12 1035 | | | .3 | 1 | 27083 | 6 0 | 64000 | 270000 | 4800 | 8700 | 22.0 | 6.4 | | |
| 80 09 15 1050 | | | .3 | 1 | 27095 | 6 0 | 18000 | 110000 | 370 | 260 | 15.0 | 9.0 | 3.8 | 0.052 |
| 80 10 16 1200 | | | .3 | 1 | 27107 | 6 0 | 11000 | 49000 | 690 | 920 | 10.0 | 10.0 | | 0.025 |
| 80 11 17 1135 | | | .3 | 1 | 27119 | 6 | 200I | 13000 | 60I | 50I | 0.5 | 14.2 | 1.0 | 0.032 |
| 80 12 16 1000 | | | .3 | 1 | 27131 | 4 | 2400 | 14000 | 180I | 120I | 0.0 | 10.4 | 1.0 | 0.042 |
| MAXIMUM | | | | | | | 64000 | 490000 | 4800 | 8700> | 23.0 | 14.2 | 3.8 | 0.168 |
| ARITH MEAN | | | | | | | 13768 | 126318 | 877 | 1848> | 8.5 | 10.5 | 1.8 | 0.059 |
| GEOM MEAN | | | | | | | 4979 | 40159 | 334 | 660> | 4.2 | 10.2 | 1.6 | 0.047 |
| MINIMUM | | | | | | | 150 | 1000 | 10 | 50 | 0.0 | 6.4 | 1.0 | 0.016 |
| STD DEV | | | | | | | 18290 | 161610 | 1364 | 2604> | 8.9 | 2.5 | 1.0 | 0.043 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 12 | 12 | 10 | 11 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 14 1105 | | | .3 | 1 | 0.072 | 0.290 | 1.430 | 0.055 | 2.890 | 3.235 | 1.140 | 4.375 | 467.0 | 15.0 |
| 80 02 14 1100 | | | .3 | 1 | 0.001 | 0.008 | 0.360 | 0.017 | 1.080 | 1.105 | 0.352 | 1.457 | 857.0 | 6.0 |
| 80 03 17 1120 | | | .3 | 1 | 0.022 | 0.530 | 2.030 | 0.073 | 1.330 | 1.933 | 1.500 | 3.433 | 1008.0 | 9.0 |
| 80 04 14 1052 | | | .3 | 1 | 0.012 | 0.044 | 0.900 | 0.030 | 2.370 | 2.444 | 0.856 | 3.300 | 586.0 | 22.0 |
| 80 05 14 1030 | | | .3 | 1 | 0.006 | 0.016 | 0.650 | 0.041 | 0.810 | 0.867 | 0.634 | 1.501 | 372.0 | 24.0 |
| 80 06 12 1130 | | | .3 | 1 | 0.005 | 0.010 | 0.380 | 0.008 | 0.592 | 0.610 | 0.370 | 0.980 | 302.0 | 4.0 |
| 80 07 14 1045 | | | .3 | 1 | 0.003 | 0.042 | 0.60 | 0.006 | 0.224 | 0.272 | 0.558 | 0.830 | 466 | 23 |
| 80 09 15 1050 | | | .3 | 1 | 0.007 | 0.020 | 0.750 | 0.012 | 0.268 | 0.300 | 0.730 | 1.030 | 297.0 | 26.0 |
| 80 10 16 1200 | | | .3 | 1 | 0.002 | 0.046 | 0.32 | 0.022 | 0.313 | 0.381 | 0.274 | 0.655 | 354 | 17 |
| 80 11 17 1135 | | | .3 | 1 | 0.003 | 0.006 | 0.350 | 0.008 | 0.242 | 0.256 | 0.344 | 0.600 | 437.0 | 8.0 |
| 80 12 16 1000 | | | .3 | 1 | 0.013 | 0.066 | 0.580 | 0.028 | 2.870 | 2.964 | 0.514 | 3.478 | 778.0 | 9.0 |
| MAXIMUM | | | | | 0.072 | 0.530 | 2.030 | 0.073 | 2.890 | 3.235 | 1.500 | 4.375 | 1008.0 | 26.0 |
| ARITH MEAN | | | | | 0.013 | 0.098 | 0.76 | 0.027 | 1.181 | 1.306 | 0.661 | 1.967 | 538 | 14 |
| GEOM MEAN | | | | | 0.007 | 0.036 | 0.63 | 0.020 | 0.776 | 0.868 | 0.578 | 1.550 | 496 | 12 |
| MINIMUM | | | | | 0.001 | 0.006 | 0.32 | 0.006 | 0.224 | 0.256 | 0.274 | 0.600 | 297.0 | 4.0 |
| STD DEV | | | | | 0.020 | 0.164 | 0.53 | 0.021 | 1.053 | 1.136 | 0.379 | 1.386 | 240 | 8 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 14 1105 | | | .3 | 1 | 15.0 | 660.0 | | 60.000 | | |
| 80 02 14 1100 | | | .3 | 1 | 851.0 | 1320.0 | | 270.000 | 7.85 | 8.0 |
| 80 03 17 1120 | | | .3 | 1 | 999.0 | 1750.0 | | 430.000 | | 7.4 |
| 80 04 14 1052 | | | .3 | 1 | 564.0 | 810.0 | | 88.000 | | 7.4 |
| 80 05 14 1030 | | | .3 | 1 | 348.0 | 550.0 | 28.00 | 72.000 | 7.91 | 6.7 |
| 80 06 12 1130 | | | .3 | 1 | 298.0 | 480.0 | 2.00 | | | |
| 80 07 14 1045 | | | .3 | 1 | 443 | 650 | 19.0 | 79.0 | | 7.8 |
| 80 08 12 1035 | | | .3 | 1 | | | | | | 7.4 |
| 80 09 15 1050 | | | .3 | 1 | 271.0 | 415.0 | | 35.500 | | 7.2 |
| 80 10 16 1200 | | | .3 | 1 | 337 | 570 | | 64.5 | | 7.6 |
| 80 11 17 1135 | | | .3 | 1 | 429.0 | 700.0 | | 82.000 | | 7.4 |
| 80 12 16 1000 | | | .3 | 1 | 769.0 | 1300.0 | | 188.000 | | 7.5 |
| MAXIMUM | | | | | 999.0 | 1750.0 | 28.00 | 430.000 | 7.91 | 8.0 |
| ARITH MEAN | | | | | 484 | 836 | 16.3 | 136.9 | 7.88 | 7.4 |
| GEOM MEAN | | | | | 351 | 756 | 10.2 | 102.0 | 7.88 | 7.4 |
| MINIMUM | | | | | 15.0 | 415.0 | 2.00 | 35.500 | 7.85 | 6.7 |
| STD DEV | | | | | 288 | 427 | 13.2 | 126.0 | 0.04 | 0.3 |
| NO OF SAMPLES | | | | | 11 | 11 | 3 | 10 | 2 | 10 |

B.O.W./ SITE: **CREDIT RIVER**
SAMPLE POINT: **AT DERRY ROAD WEST OF HIGHWAY NO 10**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **CREDIT RIVER**

STATION ID: **06-0076-017-02**
STORET CODE: **02**
**004**
**4170**

LAT: LONG: U T M: **17 0602200.0 4830500.0 4** REGION: **03** DISTANCE: **21.586**

| | | | TEST-NAME: | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT MG/L AS P |
| 80 01 14 1025 | | | .3 | 1 | 27001 | 6 | 10400C | 28000 | 220 | 1480 | 0.0 | 11.0 | 0.8 | 0.070 |
| 80 02 14 1045 | | | .3 | 1 | 27013 | 4 | 400I | 200 | 80I | 80I | 0.0 | 12.8 | 0.6 | 0.031 |
| 80 03 17 1030 | | | .3 | 1 | 27025 | 4 | 280 | 1400 | 10< | 80I | 0.0 | 12.0 | 0.8 | 0.036 |
| 80 04 14 1030 | | | .3 | 1 | 27037 | 6 | 360 | 1320 | 20I | 250 | 3.0 | 12.0 | 0.6 | 0.054 |
| 80 05 14 1050 | | | .3 | 1 | 27049 | 6 | 14200C | 26000 | 680 | 340 | 11.0 | 11.4 | 1.0 | 0.043 |
| 80 06 12 1055 | | | .3 | 1 | 27064 | 6 | | | | | 14.0 | 11.7 | 1.0 | 0.022 |
| 80 07 14 0925 | | | .3 | 1 | 27069 | 6 9 | 600I | 24000 | 50I | 40I | 21.5 | 7.2 | 0.8 | 0.027 |
| 80 08 12 0845 | | | .3 | 1 | 27082 | 6 0 | 400I | 24000 | 150 | 270 | 21.0 | 5.8 | | |
| 80 09 15 1015 | | | .3 | 1 | 27094 | 6 0 | 600I | 11000 | 100I | 110 | 15.0 | 6.4 | 0.6 | 0.020 |
| 80 10 16 1125 | | | .3 | 1 | 27106 | 6 0 | 280 | 4800 | 10< | 50I | 8.0 | 12.2 | | 0.037 |
| 80 11 17 1055 | | | .3 | 1 | 27118 | 6 | 480 | 3800 | 12 | 4 | 0.5 | 13.2 | 0.2< | 0.026 |
| 80 12 15 1530 | | | .3 | 1 | 27130 | 4 | 860C | 5200 | 10I | 50I | 0.0 | 14.6 | 1.0 | 0.045 |
| MAXIMUM | | | | | | | **14200** | **28000** | **680** | **1480** | **21.5** | **14.6** | **1.0** | **0.070** |
| ARITH MEAN | | | | | | | **2624** | **11793** | **122L** | **250** | **7.8** | **10.9** | **0.7L** | **0.037** |
| GEOM MEAN | | | | | | | **810** | **5675** | **46L** | **100** | **3.9** | **10.5** | **0.7L** | **0.035** |
| MINIMUM | | | | | | | **280** | **200** | **10<** | **4** | **0.0** | **5.8** | **0.2<** | **0.020** |
| STD DEV | | | | | | | **4862** | **11276** | **197L** | **422** | **8.4** | **2.8** | **0.3L** | **0.016** |
| NO OF SAMPLES | | | | | | | **11** | **11** | **11** | **11** | **12** | **12** | **10** | **11** |

| | | | TEST-NAME: | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 14 1025 | | | .3 | 1 | 0.025 | 0.094 | 0.800 | 0.013 | 1.340 | 1.447 | 0.706 | 2.153 | 315.0 | 30.0 |
| 80 02 14 1045 | | | .3 | 1 | 0.019 | 0.092 | 0.400 | 0.016 | 2.480 | 2.588 | 0.308 | 2.896 | 392.0 | 3.0 |
| 80 03 17 1030 | | | .3 | 1 | 0.011 | 0.510 | 0.980 | 0.027 | 2.220 | 2.757 | 0.470 | 3.227 | 417.0 | 6.0 |
| 80 04 14 1030 | | | .3 | 1 | 0.010 | 0.104 | 0.590 | 0.011 | 1.190 | 1.305 | 0.486 | 1.791 | 533.0 | 16.0 |
| 80 05 14 1050 | | | .3 | 1 | 0.002 | 0.020 | 0.510 | 0.012 | 1.110 | 1.142 | 0.490 | 1.632 | 345.0 | 14.0 |
| 80 06 12 1055 | | | .3 | 1 | 0.005 | 0.012 | 0.510 | 0.008 | 0.552 | 0.572 | 0.498 | 1.070 | 305.0 | 7.0 |
| 80 07 14 0925 | | | .3 | 1 | 0.003 | 0.016 | 0.40 | 0.010 | 0.510 | 0.536 | 0.384 | 0.920 | 336 | 7 |
| 80 09 15 1015 | | | .3 | 1 | 0.004 | 0.012 | 0.380 | 0.004 | 1.010 | 1.026 | 0.368 | 1.394 | 377.0 | 5.0 |
| 80 10 16 1125 | | | .3 | 1 | 0.003 | 0.046 | 0.46 | 0.005 | 1.35 | 1.401 | 0.414 | 1.815 | 353 | 7 |
| 80 11 17 1055 | | | .3 | 1 | 0.004 | 0.004 | 0.420 | 0.005 | 1.550 | 1.559 | 0.416 | 1.975 | 360.0 | 10.0 |
| 80 12 15 1530 | | | .3 | 1 | 0.014 | 0.030 | 0 580 | 0.010 | 1.840 | 1.880 | 0.550 | 2.430 | 452.0 | 17.0 |
| MAXIMUM | | | | | **0.025** | **0.510** | **0.980** | **0.027** | **2.480** | **2.757** | **0.706** | **3.227** | **533.0** | **30.0** |
| ARITH MEAN | | | | | **0.009** | **0.085** | **0.54** | **0.011** | **1.37** | **1.474** | **0.463** | **1.937** | **380** | **11** |
| GEOM MEAN | | | | | **0.007** | **0.038** | **0.52** | **0.010** | **1.24** | **1.312** | **0.452** | **1.816** | **375** | **9** |
| MINIMUM | | | | | **0.002** | **0.004** | **0.380** | **0.004** | **0.510** | **0.536** | **0.308** | **0.920** | **305.0** | **3.0** |
| STD DEV | | | | | **0.008** | **0.146** | **0.18** | **0.006** | **0.62** | **0.714** | **0.106** | **0.713** | **68** | **7** |
| NO OF SAMPLES | | | | | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** |

| | | | TEST-NAME: | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 14 1025 | | | .3 | 1 | 30.0 | 450.0 | | 25.500 | | |
| 80 02 14 1045 | | | .3 | 1 | 389.0 | 650.0 | | 40.500 | 8.10 | 7.9 |
| 80 03 17 1030 | | | .3 | 1 | 411.0 | 590.0 | | 65.000 | | 7.8 |
| 80 04 14 1030 | | | .3 | 1 | 517.0 | 520.0 | | 27.000 | | 7.6 |
| 80 05 14 1050 | | | .3 | 1 | 331.0 | 550.0 | 8.90 | 33.000 | 8.32 | 7.3 |
| 80 06 12 1055 | | | .3 | 1 | 298.0 | 470.0 | 2.00 | | | |
| 80 07 14 0925 | | | .3 | 1 | 329 | 500 | 4.6 | 34.5 | | 7.6 |
| 80 08 12 0845 | | | .3 | 1 | | | | | | 7.6 |
| 80 09 15 1015 | | | .3 | 1 | 372.0 | 560.0 | | 36.500 | | 6.9 |
| 80 10 16 1125 | | | .3 | 1 | 346 | 590 | | 38.0 | | 7.7 |
| 80 11 17 1055 | | | .3 | 1 | 350.0 | 600.0 | | 35.500 | | 8.0 |
| 80 12 15 1530 | | | .3 | 1 | 435.0 | 670.0 | | 47.000 | | 8.0 |
| MAXIMUM | | | | | **517.0** | **670.0** | **8.90** | **65.000** | **8.32** | **8.0** |
| ARITH MEAN | | | | | **346** | **559** | **5.1** | **38.2** | **8.21** | **7.6** |
| GEOM MEAN | | | | | **296** | **555** | **4.3** | **36.9** | **8.21** | **7.6** |
| MINIMUM | | | | | **30.0** | **450.0** | **2.00** | **25.500** | **8.10** | **6.9** |
| STD DEV | | | | | **121** | **70** | **3.4** | **11.2** | **0.16** | **0.3** |
| NO OF SAMPLES | | | | | **11** | **11** | **3** | **10** | **2** | **10** |

SAMPLE INFORMATION SYSTEM　　1980 WATER QUALITY DATA　　DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **CREDIT RIVER**
SAMPLE POINT: **AT 20 SIDE ROAD CALEDON TOWNSHIP**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **CREDIT RIVER**

STATION ID: **06-0076-018-02**
STORET CODE: **02**
**004**
**4170**

LAT:　　LONG:　　U T M: **17 0576400.0 4856150.0 4**　　REGION: **03**　　DISTANCE: **75.315**

| | | | | TEST-NAME: | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 15 1110 | | | .3 | 1 | 27011 | 6 | 640C | 2400 | 16 | 124 | 0.0 | 11.6 | 0.4 | 0.051 |
| 80 02 15 0855 | | | .3 | 1 | 27020 | 6 4 | 360 | 560 | 16 | 32 | 0.0 | 11.6 | 1.2 | 0.069 |
| 80 03 18 1335 | | | .3 | 1 | 27034 | 6 | 6400C | 33000 | 140 | 1500> | 0.5 | 10.2 | 5.6 | 0.258 |
| 80 04 15 1130 | | | .3 | 1 | 27046 | 3 | 2500 | 8000 | 220 | 100I | 2.0 | 11.4 | 1.0 | 0.068 |
| 80 05 15 1305 | | | .3 | 1 | 27055 | 6 | 780 | 4400 | 100I | 20I | 10.0 | 10.0 | 0.4 | 0.040 |
| 80 06 13 1110 | | | .3 | 1 | 27060 | 6 | | | | | 14.0 | 8.4 | 0.8 | 0.029 |
| 80 07 16 1125 | | | .3 | 1 | 27079 | 6 | | | | | 20.5 | 6.0 | 1.2 | 0.173 |
| 80 08 13 1125 | | | .3 | 1 | 27091 | 6 | 800 | 24000 | 120I | 740 | 18.5 | 4.6 | 0.6 | 0.122 |
| 80 09 16 1105 | | | .3 | 1 | 27103 | 6 | 600 | 14000 | 60I | 180I | 13.0 | 7.8 | 0.7 | 0.074 |
| 80 10 17 1110 | | | .3 | 1 | 27115 | 6 | 50< | 2700 | 10< | 20I | 8.0 | 12.0 | 0.2 | 0.027 |
| 80 11 18 1140 | | | .3 | 1 | 27127 | 6 | 180I | 1780 | 10< | 20I | 1.0 | 14.0 | 0.2< | 0.016 |
| 80 12 16 1325 | | | .3 | 1 | 27139 | 6 | 420 | 2400 | 12 | 4< | 0.0 | 12.4 | 0.7 | 0.029 |
| **MAXIMUM** | | | | | | | **6400** | **33000** | **220** | **1500>** | **20.5** | **14.0** | **5.6** | **0.258** |
| **ARITH MEAN** | | | | | | | **1273L** | **9324** | **70L** | **274B** | **7.3** | **10.0** | **1.1L** | **0.080** |
| **GEOM MEAN** | | | | | | | **591L** | **4786** | **38L** | **69B** | **3.6** | **9.6** | **0.7L** | **0.058** |
| **MINIMUM** | | | | | | | **50<** | **560** | **10<** | **4<** | **0.0** | **4.6** | **0.2<** | **0.016** |
| **STD DEV** | | | | | | | **1925L** | **11042** | **72L** | **484B** | **7.7** | **2.8** | **1.5L** | **0.072** |
| **NO OF SAMPLES** | | | | | | | **10** | **10** | **10** | **10** | **12** | **12** | **12** | **12** |

| | | | | TEST-NAME: | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 15 1110 | | | .3 | 1 | 0.029 | 0.080 | | 0.012 | 1.490 | 1.582 | | | 323.0 | 7.0 |
| 80 02 15 0855 | | | .3 | 1 | 0.042 | 0.294 | 0.690 | 0.016 | 1.780 | 2.090 | 0.396 | 2.486 | 340.0 | 6.0 |
| 80 03 18 1335 | | | .3 | 1 | 0.083 | 1.380 | 3.030 | 0.028 | 1.770 | 3.178 | 1.650 | 4.828 | 371.0 | 58.0 |
| 80 04 15 1130 | | | .3 | 1 | 0.022 | 0.184 | 0.790 | 0.014 | 0.986 | 1.184 | 0.606 | 1.790 | 351.0 | 104.0 |
| 80 05 15 1305 | | | .3 | 1 | 0.012 | 0.036 | 0.560 | 0.011 | 0.669 | 0.716 | 0.524 | 1.240 | 308.0 | 4.0 |
| 80 06 13 1110 | | | .3 | 1 | 0.006 | 0.002 | 0.420 | 0.025 | 1.170 | 1.197 | 0.418 | 1.615 | 348.0 | 5.0 |
| 80 07 16 1125 | | | .3 | 1 | 0.106 | 0.024 | 0.700 | 0.012 | 0.238 | 0.274 | 0.676 | 0.950 | 310.0 | 18.0 |
| 80 08 13 1125 | | | .3 | 1 | 0.098 | 0.022 | 0.40 | 0.006 | 0.214 | 0.242 | 0.378 | 0.620 | 299 | 3 |
| 80 09 16 1105 | | | .3 | 1 | 0.055 | 0.024 | 0.39 | 0.035 | 0.520 | 0.579 | 0.366 | 0.945 | 335 | 0.4 |
| 80 10 17 1110 | | | .3 | 1 | 0.017 | 0.010 | 0.36 | 0.006 | 1.15 | 1.166 | 0.350 | 1.516 | 324 | 2 |
| 80 11 18 1140 | | | .3 | 1 | 0.010 | 0.056 | 0.430 | 0.009 | 1.560 | 1.625 | 0.374 | 1.999 | 338.0 | 2.0 |
| 80 12 16 1325 | | | .3 | 1 | 0.016 | 0.108 | 0.540 | 0.008 | 1.640 | 1.756 | 0.432 | 2.188 | 331.0 | 3.0 |
| **MAXIMUM** | | | | | **0.106** | **1.380** | **3.030** | **0.035** | **1.780** | **3.178** | **1.650** | **4.828** | **371.0** | **104.0** |
| **ARITH MEAN** | | | | | **0.041** | **0.185** | **0.75** | **0.015** | **1.09** | **1.299** | **0.561** | **1.834** | **331** | **17** |
| **GEOM MEAN** | | | | | **0.028** | **0.051** | **0.69** | **0.013** | **0.90** | **1.026** | **0.497** | **1.686** | **330** | **5** |
| **MINIMUM** | | | | | **0.006** | **0.002** | **0.36** | **0.006** | **0.214** | **0.242** | **0.350** | **0.620** | **299** | **0.4** |
| **STD DEV** | | | | | **0.036** | **0.386** | **0.78** | **0.009** | **0.57** | **0.832** | **0.377** | **1.144** | **20** | **31** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **11** | **12** | **12** | **12** | **11** | **11** | **12** | **12** |

| | | | | TEST-NAME: | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 15 1110 | | | .3 | 1 | 316.0 | 485.0 | | 21.500 | 8.05 | 8.2 |
| 80 02 15 0855 | | | .3 | 1 | 334.0 | 580.0 | | 30.000 | 7.89 | 7.5 |
| 80 03 18 1335 | | | .3 | 1 | 313.0 | 500.0 | | 75.000 | 7.50 | 7.3 |
| 80 04 15 1130 | | | .3 | 1 | 247.0 | 380.0 | | 19.000 | 7.91 | 7.5 |
| 80 05 15 1305 | | | .3 | 1 | 304.0 | 490.0 | | 26.000 | 8.35 | 7.6 |
| 80 06 13 1110 | | | .3 | 1 | 343.0 | 550.0 | | 33.000 | 8.49 | |
| 80 07 16 1125 | | | .3 | 1 | 292.0 | 455.0 | | 25.000 | 8.01 | 7.6 |
| 80 08 13 1125 | | | .3 | 1 | 296 | 485 | 1.0 | 26.0 | 8.28 | 7.4 |
| 80 09 16 1105 | | | .3 | 1 | 335 | 510 | | 27.5 | 8.34 | 7.7 |
| 80 10 17 1110 | | | .3 | 1 | 322 | 540 | 0.45 | 30.0 | 8.29 | 7.2 |
| 80 11 18 1140 | | | .3 | 1 | 336.0 | 540.0 | | 26.500 | 8.22 | 7.7 |
| 80 12 16 1325 | | | .3 | 1 | 328.0 | 550.0 | | 26.000 | 8.13 | 7.5 |
| **MAXIMUM** | | | | | **343.0** | **580.0** | **1.0** | **75.000** | **8.49** | **8.2** |
| **ARITH MEAN** | | | | | **313** | **505** | **0.7** | **30.4** | **8.12** | **7.6** |
| **GEOM MEAN** | | | | | **312** | **502** | **0.6** | **28.5** | **8.12** | **7.6** |
| **MINIMUM** | | | | | **247.0** | **380.0** | **0.45** | **19.000** | **7.50** | **7.2** |
| **STD DEV** | | | | | **26** | **53** | **0.3** | **14.5** | **0.27** | **0.3** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **2** | **12** | **12** | **11** |

B.O.W./ SITE: **CREDIT RIVER**
SAMPLE POINT: **SOUTHERN DAM OF ORANGEVILLE RESERVOIR**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **CREDIT RIVER**

STATION ID: **06-0076-019-02**
STORET CODE: **02**
**004**
**4170**

LAT: LONG: U T M: **17 0573500.0 4863975.0 4** REGION: **02** DISTANCE: **07.000**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 31 1220 | | | .3 | 1 | 28316 | 6 | 60I | 120 | 4< | 4< | 2.5 | 12.0 | 1.4 | 0.024 |
| 80 03 12 1200 | | | .3 | 1 | 28382 | 6 | 100 | 70 | 4< | 4< | 3.0 | 8.4 | 0.6 | 0.021 |
| 80 03 27 1045 | | | .3 | 1 | 28439 | 6 | 440C | 2800 | 4 | 36 | 4.8 | 8.2 | 1.0 | 0.041 |
| 80 04 22 1205 | | | .3 | 1 | 28466 | 6 | 110 | 1500 | 10< | 10I | 10.0 | 10.5 | 2.2 | 0.057 |
| 80 05 08 1140 | | | .3 | 1 | 28514 | 6 | 340 | 700 | 10< | 30I | 12.0 | 9.6 | 0.6 | 0.047 |
| 80 06 05 1140 | | | .3 | 1 | 28553 | 6 | 370C | 2800 | 4 | 20 | 17.5 | 8.0 | 1.2 | 0.059 |
| 80 07 08 1225 | | | .3 | 1 | 80081 | 6 | | | | | 23.0 | 8.6 | | 0.068 |
| 80 07 09 0015 | | | .3 | 1 | 80080 | 6 | | | | | 22.5 | 7.9 | | 0.068 |
| 80 07 17 1200 | | | .3 | 1 | 28608 | 6 | 20 | 9400 | 8 | 64 | 24.9 | 9.6 | 1.8 | 0.061 |
| 80 08 12 1245 | | | .3 | 1 | 28662 | 6 | 1000 | 12000 | 20< | 180I | 23.0 | 8.5 | 1.6 | 0.055 |
| 80 09 29 1125 | | | .3 | 1 | 28702 | 6 | 80I | 2400 | 10< | 10< | 10.8 | 12.1 | 1.0 | 0.026 |
| 80 10 21 1210 | | | .3 | 1 | 28763 | 6 | 20I | 780 | 10< | 10< | 7.5 | 10.0 | 0.6 | 0.018 |
| 80 11 25 1130 | | | .3 | 1 | 28805 | 6 | 30I | 1000 | 4< | 4< | 4.0 | 12.4 | 0.2 | 0.012 |
| 80 12 18 1045 | | | .3 | 1 | 28851 | 6 | 120 | 2000 | 20 | 16 | 3.0 | 12.8 | 1.5 | 0.010 |
| | | | MAXIMUM | | | | 1000 | 12000 | 20 | 180 | 24.9 | 12.8 | 2.2 | 0.068 |
| | | | ARITH MEAN | | | | 224 | 2964 | 9L | 32L | 12.0 | 9.9 | 1.1 | 0.040 |
| | | | GEOM MEAN | | | | 113 | 1326 | 8L | 16L | 9.0 | 9.8 | 1.0 | 0.034 |
| | | | MINIMUM | | | | 20 | 70 | 4< | 4< | 2.5 | 7.9 | 0.2 | 0.010 |
| | | | STD DEV | | | | 286 | 3776 | 6L | 50L | 8.5 | 1.8 | 0.6 | 0.021 |
| | | | NO OF SAMPLES | | | | 12 | 12 | 12 | 12 | 14 | 14 | 12 | 14 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PART'C. MG/L |
| 80 01 31 1220 | | | .3 | 1 | 0.002 | 0.026 | 0.490 | 0.006 | 0.294 | 0.326 | 0.464 | 0.790 | 269.0 | 3.0 |
| 80 03 12 1200 | | | .3 | 1 | 0.001 | 0.180 | 0.680 | 0.008 | 0.942 | 1.130 | 0.500 | 1.630 | 348.0 | 2.0 |
| 80 03 27 1045 | | | .3 | 1 | 0.006 | 0.112 | 0.650 | 0.008 | 0.442 | 0.562 | 0.538 | 1.100 | 344.0 | 8.0 |
| 80 04 22 1205 | | | .3 | 1 | 0.001 | 0.034 | 0.720 | 0.007 | 0.073 | 0.114 | 0.686 | 0.800 | 217.0 | 9.0 |
| 80 05 08 1140 | | | .3 | 1 | 0.001 | 0.012 | 0.580 | 0.002 | 0.633 | 0.647 | 0.568 | 1.215 | 236.0 | 8.0 |
| 80 06 05 1140 | | | .3 | 1 | 0.004 | 0.018 | 0.780 | 0.003 | 0.164 | 0.185 | 0.762 | 0.947 | 239.0 | 11.0 |
| 80 07 08 1225 | | | .3 | 1 | 0.006 | 0.002< | 0.880 | 0.003 | 0.002 | 0.007 | 0.878 | 0.885 | | |
| 80 07 09 0015 | | | .3 | 1 | 0.002 | 0.018 | 0.900 | 0.001 | 0.005< | 0.024 | 0.882 | 0.906 | | |
| 80 07 17 1200 | | | .3 | 1 | 0.002 | 0.006 | 0.770 | 0.003 | 0.122 | 0.131 | 0.764 | 0.895 | 177.00 | 11.00 |
| 80 08 12 1245 | | | .3 | 1 | 0.002 | 0.023 | 0.900 | 0.003 | 0.007 | 0.033 | 0.877 | 0.910 | 155.0 | 12.0 |
| 80 09 29 1125 | | | .3 | 1 | 0.002 | 0.022 | 0.58 | 0.002 | 0.038 | 0.062 | 0.558 | 0.620 | 167 | 4 |
| 80 10 21 1210 | | | .3 | 1 | 0.001 | 0.022 | 0.450 | 0.001 | 0.029 | 0.052 | 0.428 | 0.480 | 181.0 | 2.0 |
| 80 11 25 1130 | | | .3 | 1 | 0.003 | 0.010 | 0.380 | 0.001 | 0.044 | 0.055 | 0.370 | 0.425 | 216.0 | 1.0 |
| 80 12 18 1045 | | | .3 | 1 | 0.003 | 0.032 | 0.420 | 0.004 | 0.176 | 0.212 | 0.388 | 0.600 | 263.0 | 3.0 |
| | | | MAXIMUM | | 0.006 | 0.180 | 0.900 | 0.008 | 0.942 | 1.130 | 0.882 | 1.630 | 348.0 | 12.0 |
| | | | ARITH MEAN | | 0.003 | 0.037L | 0.66 | 0.004 | 0.212L | 0.263 | 0.619 | 0.872 | 234 | 6 |
| | | | GEOM MEAN | | 0.002 | 0.021L | 0.63 | 0.003 | 0.070L | 0.116 | 0.593 | 0.822 | 226 | 4 |
| | | | MINIMUM | | 0.001 | 0.002< | 0.380 | 0.001 | 0.002< | 0.007 | 0.370 | 0.425 | 155.0 | 1.0 |
| | | | STD DEV | | 0.002 | 0.049L | 0.17 | 0.003 | 0.280L | 0.321 | 0.186 | 0.311 | 63 | 4 |
| | | | NO OF SAMPLES | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 31 1220 | | | .3 | 1 | 266.0 | 463.0 | 1.80 | 17.000 | 7.92 | |
| 80 03 12 1200 | | | .3 | 1 | 346.0 | 550.0 | 2.00 | 20.500 | 7.65 | |
| 80 03 27 1045 | | | .3 | 1 | 336.0 | 540.0 | 3.90 | 23.000 | 7.73 | |
| 80 04 22 1205 | | | .3 | 1 | 208.000 | 320.0 | 3.60 | 14.000 | 8.37 | |
| 80 05 08 1140 | | | .3 | 1 | 228.000 | 350.0 | 3.70 | 14.000 | | |
| 80 06 05 1140 | | | .3 | 1 | 228.000 | 350.0 | 7.20 | 13.500 | 8.52 | |
| 80 07 08 1225 | | | .3 | 1 | | 265.0 | | | 8.70 | 8.75 |
| 80 07 09 0015 | | | .3 | 1 | | 265.0 | | | 8.79 | 9.20 |
| 80 07 17 1200 | | | .3 | 1 | 166.000 | 255.0 | 7.30 | 13.500 | 8.86 | 9.1 |
| 80 08 12 1245 | | | .3 | 1 | 143.000 | 220.0 | 7.90 | 12.500 | 9.24 | 9.5 |
| 80 09 29 1125 | | | .3 | 1 | 163 | 250 | 2.9 | 12.5 | 8.66 | 9.1 |
| 80 10 21 1210 | | | .3 | 1 | 179.000 | 275.0 | 1.00 | 12.000 | 8.64 | 7.9 |
| 80 11 25 1130 | | | .3 | 1 | 215.000 | 330.0 | 0.80 | 12.000 | 8.45 | 8.3 |
| 80 12 18 1045 | | | .3 | 1 | 260.000 | 400.0 | 1.30 | 14.500 | 8.19 | 7.9 |
| | | | MAXIMUM | | 346.0 | 550.0 | 7.90 | 23.000 | 9.24 | 9.5 |
| | | | ARITH MEAN | | 228 | 345 | 3.6 | 14.9 | 8.44 | 8.7 |
| | | | GEOM MEAN | | 220 | 331 | 2.8 | 14.5 | 8.43 | 8.7 |
| | | | MINIMUM | | 143.000 | 220.0 | 0.80 | 12.000 | 7.65 | 7.9 |
| | | | STD DEV | | 64 | 108 | 2.6 | 3.5 | 0.46 | 0.6 |
| | | | NO OF SAMPLES | | 12 | 14 | 12 | 12 | 13 | 8 |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **CREDIT RIVER**
SAMPLE POINT: **SOUTH OF HWY.136 BELOW ORANGEVILLE STP**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **CREDIT RIVER**

STATION ID: **06-0076-020-02**
STORET CODE: **02**
**004**
**4170**

LAT: LONG: U T M: **17 0573550.0 4862750.0 4** REGION: **03** DISTANCE: **00.000**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 31 1230 | | | .3 | 1 | 28317 | 6 | 4< | 8 | 4< | 4< | 4.0 | 8.9 | 0.6 | 0.555 |
| 80 03 12 1220 | | | .3 | 1 | 28383 | 6 0 | 4< | 4 | 4< | 4< | 4.2 | 9.4 | 0.4 | 1.440 |
| 80 03 27 1100 | | | .3 | 1 | 28440 | 6 | 401 | 120 | 10< | 10< | 7.0 | 8.9 | 0.8 | 0.760 |
| 80 04 22 1215 | | | .3 | 1 | 28467 | 6 | 96 | 480 | 4< | 24 | 10.0 | 7.2 | 0.8 | 0.410 |
| 80 05 08 1205 | | | .3 | 1 | 28515 | 6 | 76 | 320 | 10 | 28 | 11.0 | 7.2 | 0.2 | 0.278 |
| 80 06 05 1230 | | | .3 | 1 | 28554 | 6 | 240C | 3680 | 20 | 124 | 15.0 | 12.8 | 0.6 | 0.555 |
| 80 07 08 1245 | | | .3 | 1 | 80083 | 7 | | | | | 20.0 | 4.5 | | 0.368 |
| 80 07 09 0025 | | | .3 | 1 | 80082 | 7 | | | | | 17.0 | 4.2 | | 0.473 |
| 80 07 17 1145 | | | .3 | 1 | 28609 | 7 | 1500> | 1500> | 436 | 400 | 21.0 | 5.8 | 1.8 | 0.165 |
| 80 08 12 1200 | | | .3 | 1 | 28663 | 7 | 3600 | 15000 | 650 | 50< | 20.5 | 4.6 | 6.4 | 0.334 |
| 80 09 29 1140 | | | .3 | 1 | 28703 | 7 0 | 500I | 3300 | 60I | 20< | 15.2 | 5.9 | 16 | 0.422 |
| 80 10 21 1220 | | | .3 | 1 | 28764 | 7 | 60I | 380 | 10< | 10< | 11.0 | 5.9 | 0.8 | 0.255 |
| 80 11 25 1150 | | | .3 | 1 | 28806 | 7 | 430 | 2200 | 20 | 4 | 8.0 | 7.0 | 4.8 | 0.215 |
| 80 12 18 1045 | | | .3 | 1 | 28852 | 7 0 | 10< | 60 | 4< | 4< | 5.0 | 7.7 | 0.5 | 0.310 |
| MAXIMUM | | | | | | | **3600>** | **15000>** | **650** | **400** | **21.0** | **12.8** | **16** | **1.440** |
| ARITH MEAN | | | | | | | **5478** | **22540** | **103L** | **57L** | **12.1** | **7.1** | **2** | **0.467** |
| GEOM MEAN | | | | | | | **988** | **3760** | **19L** | **18L** | **10.5** | **6.8** | **1** | **0.400** |
| MINIMUM | | | | | | | **4<** | **4** | **4<** | **4<** | **4.0** | **4.2** | **0.2** | **0.165** |
| STD DEV | | | | | | | **10508** | **42220** | **211L** | **113L** | **6.1** | **2.3** | **4** | **0.321** |
| NO OF SAMPLES | | | | | | | **12** | **12** | **12** | **12** | **14** | **14** | **12** | **14** |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 31 1230 | | | .3 | 1 | 0.355 | 3.350 | 4.550 | 0.160 | 5.540 | 9.050 | 1.200 | 10.250 | 533.0 | 4.0 |
| 80 03 12 1220 | | | .3 | 1 | 1.300 | 10.900 | 12.900 | 0.038 | 2.110 | 13.048 | 2.000 | 15.048 | 761.0 | 4.0 |
| 80 03 27 1100 | | | .3 | 1 | 0.570 | 9.300 | 12.200 | 0.079 | 2.270 | 11.649 | 2.900 | 14.549 | 713.0 | 8.0 |
| 80 04 22 1215 | | | .3 | 1 | 0.205 | 9.100 | 12.900 | 0.155 | 4.300 | 13.555 | 3.800 | 17.355 | 768.0 | 4.0 |
| 80 05 08 1205 | | | .3 | 1 | 0.120 | 4.160 | 5.500 | 0.245 | 9.010 | 13.415 | 1.340 | 14.755 | 779.0 | 3.0 |
| 80 06 05 1230 | | | .3 | 1 | 0.020 | 0.140 | 6.650 | 0.210 | 0.240 | 0.590 | 6.510 | 7.100 | 689.0 | 3.0 |
| 80 07 08 1245 | | | .3 | 1 | 0.227 | 5.000 | 6.230 | 0.145 | 2.500 | 7.645 | 1.230 | 8.875 | | |
| 80 07 09 0025 | | | .3 | 1 | 0.305 | 8.600 | 9.870 | 0.150 | 1.200 | 9.950 | 1.270 | 11.220 | | |
| 80 07 17 1145 | | | .3 | 1 | 0.140 | 0.126 | 0.820 | 0.026 | 4.330 | 4.482 | 0.694 | 5.176 | 508.00 | 8.00 |
| 80 08 12 1200 | | | .3 | 1 | 0.265 | 3.400 | 4.130 | 0.270 | 0.760 | 4.430 | 0.730 | 5.160 | 518.0 | 2.0 |
| 80 09 29 1140 | | | .3 | 1 | 0.220 | 16.5 | | | | | | | 733 | 5 |
| 80 10 21 1220 | | | .3 | 1 | 0.160 | 7.600 | 9.100 | 0.370 | 6.490 | 14.460 | 1.500 | 15.960 | 695.0 | 1.0 |
| 80 11 25 1150 | | | .3 | 1 | 0.076 | 6.800 | 6.850 | 0.550 | 9.000 | 16.350 | 0.050 | 16.400 | 654.0 | 4.0 |
| 80 12 18 1045 | | | .3 | 1 | 0.071 | 3.180 | 4.380 | 0.140 | 7.760 | 11.080 | 1.200 | 12.280 | 636.0 | 6.0 |
| MAXIMUM | | | | | **1.300** | **16.5** | **12.900** | **0.550** | **9.010** | **16.350** | **6.510** | **17.355** | **779.0** | **8.0** |
| ARITH MEAN | | | | | **0.268** | **6.2** | **7.391** | **0.195** | **4.270** | **9.977** | **1.879** | **11.856** | **665** | **4** |
| GEOM MEAN | | | | | **0.187** | **3.6** | **6.181** | **0.148** | **2.916** | **8.037** | **1.240** | **11.009** | **658** | **3** |
| MINIMUM | | | | | **0.020** | **0.126** | **0.820** | **0.026** | **0.240** | **0.590** | **0.050** | **5.160** | **508.00** | **1.0** |
| STD DEV | | | | | **0.323** | **4.4** | **3.759** | **0.142** | **3.073** | **4.802** | **1.693** | **4.259** | **98** | **2** |
| NO OF SAMPLES | | | | | **14** | **14** | **13** | **13** | **13** | **13** | **13** | **13** | **12** | **12** |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 31 1230 | | | .3 | 1 | 529.0 | 870.0 | 2.20 | 108.000 | 7.62 | |
| 80 03 12 1220 | | | .3 | 1 | 757.0 | 1350.0 | 4.30 | 213.000 | 7.78 | |
| 80 03 27 1100 | | | .3 | 1 | 705.0 | 1110.0 | 4.75 | 145.000 | 7.76 | |
| 80 04 22 1215 | | | .3 | 1 | 764.0 | 1350.0 | 2.10 | 206.000 | 7.55 | |
| 80 05 08 1205 | | | .3 | 1 | 776.0 | 1250.0 | 2.40 | 173.000 | | |
| 80 06 05 1230 | | | .3 | 1 | 686.0 | 1100.0 | 2.20 | 164.000 | 7.65 | |
| 80 07 08 1245 | | | .3 | 1 | | 950.0 | | | 7.55 | 7.30 |
| 80 07 09 0025 | | | .3 | 1 | | 1050.0 | | | 7.72 | 7.40 |
| 80 07 17 1145 | | | .3 | 1 | 500.00 | 750.0 | 5.10 | 92.500 | 7.55 | 7.4 |
| 80 08 12 1200 | | | .3 | 1 | 516.0 | 900.0 | 1.90 | 107.000 | 7.58 | 7.5 |
| 80 09 29 1140 | | | .3 | 1 | 728 | 1280 | 1.7 | 172 | 7.15 | 7.7 |
| 80 10 21 1220 | | | .3 | 1 | 694.0 | 1240.0 | 1.00 | 155.000 | 7.67 | 7.1 |
| 80 11 25 1150 | | | .3 | 1 | 650.0 | 1120.0 | 1.20 | 141.000 | 7.58 | 7.3 |
| 80 12 18 1045 | | | .3 | 1 | 630.0 | 1080.0 | 3.20 | 126.000 | 7.58 | 7.2 |
| MAXIMUM | | | | | **776.0** | **1350.0** | **5.10** | **213.000** | **7.78** | **7.7** |
| ARITH MEAN | | | | | **661** | **1100** | **2.6** | **150** | **7.60** | **7.3** |
| GEOM MEAN | | | | | **654** | **1084** | **2.3** | **145** | **7.59** | **7.3** |
| MINIMUM | | | | | **500.00** | **750.0** | **1.00** | **92.500** | **7.15** | **7.1** |
| STD DEV | | | | | **98** | **184** | **1.3** | **38** | **0.18** | **0.1** |
| NO OF SAMPLES | | | | | **12** | **14** | **12** | **12** | **13** | **8** |

B.O.W./ SITE: **CREDIT RIVER WEST BRANCH**
SAMPLE POINT: **AT COUNTY ROAD NO. 13 GEORGETOWN**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **CREDIT RIVER**

STATION ID: **06-0076-022-02**
STORET CODE: **02**
**004**
**4170**

LAT: LONG: U T M: **17 0589800.0 4831950.0 4** REGION: **03** DISTANCE: **37.175**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 14 1230 | | | .3 | 1 | 27005 | 6 | 4100 | 15000 | 80I | 1280 | 0.0 | 10.4 | | 0.148 |
| 80 02 14 1250 | | | .3 | 1 | 27016 | 6 4 | 200I | 3200 | 20I | 40I | 0.0 | 12.2 | | 0.031 |
| 80 03 18 0931 | | | .3 | 1 | 27029 | 3 | 10700C | 50000 | 1000 | 150000> | 0.0 | 11.2 | 14.0 | 0.485 |
| 80 04 14 1144 | | | .3 | 1 | 27040 | 6 | 540 | 1300 | 30I | 10< | 3.5 | 10.8 | 1.0 | 0.042 |
| 80 06 13 1230 | | | .3 | 1 | 27062 | 7 5 | | | | | 18.0 | 13.6 | 0.8 | 0.008 |
| 80 07 14 1220 | | | .3 | 1 | 27074 | 6 | 690C | 9000 | 180 | 252 | 21.0 | 11.0 | 0.8 | 0.027 |
| 80 08 12 1145 | | | .3 | 1 | 27086 | 6 | 17000 | 62000 | 1470 | 1500> | 20.0 | 8.0 | | |
| 80 09 15 1300 | | | .3 | 1 | 27098 | 6 | 1000 | 16000 | 152 | 256 | 16.0 | 8.8 | 0.6 | 0.018 |
| 80 10 16 1400 | | | .3 | 1 | 27110 | 6 | 420 | 3800 | 50I | 110 | 8.0 | 10.6 | | 0.021 |
| 80 11 17 1310 | | | .3 | 1 | 27122 | 6 | 300 | 3000 | 70I | 30I | 0.5 | 12.8 | 0.4 | 0.013 |
| 80 12 16 1110 | | | .3 | 1 | 27134 | 6 | 1040 | 3400 | 70I | 40I | 0.0 | 12.4 | 0.5 | 0.035 |
| MAXIMUM | | | | | | | 17000 | 62000 | 1470 | 150000> | 21.0 | 13.6 | 14.0 | 0.486 |
| ARITH MEAN | | | | | | | 3599 | 16670 | 312 | 153528 | 7.9 | 11.1 | 2.8 | 0.083 |
| GEOM MEAN | | | | | | | 1220 | 8004 | 117 | 2518 | 3.7 | 11.0 | 1.0 | 0.036 |
| MINIMUM | | | | | | | 200 | 1300 | 20 | 10< | 0.0 | 8.0 | 0.4 | 0.008 |
| STD DEV | | | | | | | 5715 | 21536 | 501 | 473148 | 9.0 | 1.7 | 5.0 | 0.147 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 11 | 11 | 7 | 10 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 14 1230 | | | .3 | 1 | | 0.302 | | | | | | | | |
| 80 02 14 1250 | | | .3 | 1 | | 0.830 | | | | | | | | |
| 80 03 18 0931 | | | .3 | 1 | 0.105 | 2.050 | 5.250 | 0.041 | 2.060 | 4.151 | 3.200 | 7.351 | 431.0 | 64.0 |
| 80 04 14 1144 | | | .3 | 1 | 0.020 | 0.328 | 0.390 | 0.019 | 1.480 | 1.827 | 0.062 | 1.889 | 394.0 | 8.0 |
| 80 06 13 1230 | | | .3 | 1 | 0.008 | 0.012 | 0.140 | 0.009 | 1.790 | 1.811 | 0.128 | 1.939 | 436.0 | 3.0 |
| 80 07 14 1220 | | | .3 | 1 | 0.006 | 0.010 | 0.40 | 0.015 | 1.98 | 2.005 | 0.390 | 2.395 | 533 | 4 |
| 80 09 15 1300 | | | .3 | 1 | 0.009 | 0.012 | 0.440 | 0.006 | 2.390 | 2.408 | 0.428 | 2.836 | 522.0 | 2.0 |
| 80 10 16 1400 | | | .3 | 1 | 0.004 | 0.018 | 0.39 | 0.004 | 3.1 | 3.122 | 0.372 | 3.494 | 548 | 5 |
| 80 11 17 1310 | | | .3 | 1 | 0.002 | 0.008 | 0.360 | 0.002 | 3.000 | 3.010 | 0.352 | 3.362 | 516.0 | 5.0 |
| 80 12 16 1110 | | | .3 | 1 | 0.015 | 0.072 | 0.480 | 0.011 | 2.540 | 2.623 | 0.408 | 3.031 | 517.0 | 11.0 |
| MAXIMUM | | | | | 0.105 | 2.050 | 5.250 | 0.041 | 3.1 | 4.151 | 3.200 | 7.351 | 548 | 64.0 |
| ARITH MEAN | | | | | 0.021 | 0.364 | 0.98 | 0.013 | 2.2 | 2.620 | 0.667 | 3.287 | 487 | 12 |
| GEOM MEAN | | | | | 0.010 | 0.069 | 0.49 | 0.009 | 2.2 | 2.522 | 0.350 | 2.997 | 484 | 6 |
| MINIMUM | | | | | 0.002 | 0.008 | 0.140 | 0.002 | 1.480 | 1.811 | 0.062 | 1.889 | 394.0 | 2.0 |
| STD DEV | | | | | 0.034 | 0.647 | 1.72 | 0.013 | 0.5 | 0.798 | 1.032 | 1.748 | 57 | 20 |
| NO OF SAMPLES | | | | | 8 | 10 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 14 1230 | | | .3 | 1 | | 580.0 | | 8.01 | |
| 80 02 14 1250 | | | .3 | 1 | | 1020.0 | | 8.08 | 8.0 |
| 80 03 18 0931 | | | .3 | 1 | 367.0 | 545.0 | 85.000 | 7.27 | 7.5 |
| 80 04 14 1144 | | | .3 | 1 | 386.0 | 610.0 | 46.000 | 8.29 | 7.5 |
| 80 06 13 1230 | | | .3 | 1 | 433.0 | 700.0 | 66.500 | 8.51 | |
| 80 07 14 1220 | | | .3 | 1 | 529 | 800 | 84.0 | | 7.6 |
| 80 08 12 1145 | | | .3 | 1 | | | | | 7.5 |
| 80 09 15 1300. | | | .3 | 1 | 520.0 | 870.0 | 105.000 | 8.35 | 7.9 |
| 80 10 16 1400 | | | .3 | 1 | 543 | 900 | 122 | | 7.7 |
| 80 11 17 1310 | | | .3 | 1 | 511.0 | 880.0 | 98.000 | | 7.5 |
| 80 12 16 1110 | | | .3 | 1 | 506.0 | 850.0 | 85.000 | 8.25 | 7.8 |
| MAXIMUM | | | | | 543 | 1020.0 | 122 | 8.51 | 8.0 |
| ARITH MEAN | | | | | 474 | 775 | 86 | 8.11 | 7.7 |
| GEOM MEAN | | | | | 469 | 760 | 83 | 8.10 | 7.7 |
| MINIMUM | | | | | 367.0 | 545.0 | 46.000 | 7.27 | 7.5 |
| STD DEV | | | | | 68 | 158 | 23 | 0.41 | 0.2 |
| NO OF SAMPLES | | | | | 8 | 10 | 8 | 7 | 9 |

B.O.W./ SITE: **CREDIT RIVER**
SAMPLE POINT: **AT MELVILLE**
STATION TYPE: **RIVER FLOW GUAGE FED 02HB013**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **CREDIT RIVER**

STATION ID: **06-0076-023-02**
STORET CODE: **02**
**004**
**4170**

LAT: LONG: U T M: **17 0575200.0 4859700.0 4** REGION: **03** DISTANCE: **78.880**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 31 1200 | | | .3 | 1 | 28314 | 6 | 0.550 | 520 | 1040 | 10< | 10< | 5.0 | 9.9 | 0.4 |
| 80 03 12 1125 | | | .3 | 1 | 28380 | 6 | 0.216 | 980 | 3600 | 44 | 4 | 2.4 | 9.8 | 1.0 |
| 80 03 27 1025 | | | .3 | 1 | 28437 | 6 | 0.682 | 960C | 6400 | 30I | 60I | 5.0 | 11.1 | 0.8 |
| 80 04 22 1140 | | | .3 | 1 | 28464 | 6 | 0.729 | 720 | 4800 | 4 | 12 | 9.0 | 10.2 | 0.4 |
| 80 05 08 1110 | | | .3 | 1 | 28512 | 6 | 0.448 | 240 | 1150 | 4 | 12 | 11.0 | 11.0 | 0.8 |
| 80 06 05 1115 | | | .3 | 1 | 28551 | 6 | 0.639 | 1800 | 18000 | 104 | 60 | 17.0 | 7.4 | 1.0 |
| 80 07 08 1200 | | | .3 | 1 | 80077 | 6 | 0.489 | | | | | 22.0 | 7.1 | |
| 80 07 09 | | | .3 | 1 | 80076 | 6 | 0.556 | | | | | 22.0 | 6.7 | |
| 80 07 17 1115 | | | .3 | 1 | 28606 | 6 9 | 1.520 | 960C | 23400 | 388 | 600> | 22.0 | 7.7 | 1.4 |
| 80 08 12 1130 | | | .3 | 1 | 28660 | 6 | 0.493 | 1000 | 22000 | 360 | 140I | 20.0 | 8.1 | 0.8 |
| 80 09 29 1100 | | | .3 | 1 | 28700 | 6 | 0.390 | 100I | 6300 | 40I | 10I | 10.5 | 13.6 | 0.6 |
| 80 10 21 1145 | | | .3 | 1 | 28761 | 6 | 0.512 | 110 | 650 | 10I | 10I | 8.0 | 9.8 | 0.4 |
| 80 11 25 1105 | | | .3 | 1 | 28803 | 6 | 0.444 | 510 | 13000 | 24 | 4< | 4.5 | 10.4 | 0.2 |
| 80 12 18 1015 | | | .3 | 1 | 28849 | 6 | 0.455 | 880C | 3100 | 224 | 20 | 3.0 | 10.6 | 1.4 |

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B O W / SITE: **CREDIT RIVER**
SAMPLE POINT: **AT MELVILLE**
STATION TYPE: **RIVER FLOW GUAGE FED 02HB013**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **CREDIT RIVER**

STATION ID: **06-0076-023-02**
STORET CODE: **02**
**004**
**4170**

LAT
LONG
U T M **17 0575200.0 4859700.0 4**
REGION: **03**
DISTANCE **79.660**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| MAXIMUM | | | | | | | 1.520 | 1800 | 23400 | 388 | 600> | 22.0 | 13.6 | 1.4 |
| ARITH MEAN | | | | | | | 0.580 | 732 | 8620 | 103L | 788 | 11.5 | 9.5 | 0.8 |
| GEOM MEAN | | | | | | | 0.530 | 547 | 4922 | 37L | 228 | 9.0 | 9.3 | 0.7 |
| MINIMUM | | | | | | | 0.218 | 100 | 660 | 4< | 4< | 2.4 | 6.7 | 0.2 |
| STD DEV | | | | | | | 0.299 | 479 | 8323 | 141L | 1698 | 7.8 | 1.9 | 0.4 |
| NO OF SAMPLES | | | | | | | 14 | 12 | 12 | 12 | 12 | 14 | 14 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 31 1200 | | | .3 | 1 | 0.127 | 0.088 | 0.390 | 0.890 | 0.020 | 2.580 | 2.990 | 0.500 | 3.490 | 384.00 |
| 80 03 12 1125 | | | .3 | 1 | 0.263 | 0.210 | 3.700 | 4.620 | 0.017 | 2.280 | 5.997 | 0.920 | 6.917 | 781.00 |
| 80 03 27 1025 | | | .3 | 1 | 0.109 | 0.062 | 1.160 | 2.930 | 0.021 | 1.580 | 2.761 | 1.770 | 4.531 | 467.00 |
| 80 04 22 1140 | | | .3 | 1 | 0.055 | 0.029 | 0.038 | 0.530 | 0.021 | 1.780 | 1.839 | 0.492 | 2.331 | 377.00 |
| 80 05 08 1110 | | | .3 | 1 | 0.076 | 0.042 | 0.020 | 0.520 | 0.018 | 0.932 | 0.970 | 0.500 | 1.470 | 381.00 |
| 80 06 05 1115 | | | .3 | 1 | 0.157 | 0.084 | 0.214 | 0.870 | 0.005 | 1.080 | 1.299 | 0.656 | 1.955 | 419.00 |
| 80 07 08 1200 | | | .3 | 1 | 0.211 | 0.165 | 0.106 | 0.680 | 0.020 | 0.175 | 0.301 | 0.574 | 0.875 | |
| 80 07 09 | | | .3 | 1 | 0.194 | 0.145 | 0.100 | 0.720 | 0.016 | 0.209 | 0.325 | 0.620 | 0.945 | |
| 80 07 17 1115 | | | .3 | 1 | 0.238 | 0.225 | 0.112 | 0.680 | 0.014 | 0.226 | 0.352 | 0.568 | 0.920 | 304.00 |
| 80 08 12 1130 | | | .3 | 1 | 0.272 | 0.180 | 0.056 | 0.50 | 0.006 | 0.123 | 0.185 | 0.444 | 0.629 | 348 |
| 80 09 29 1100 | | | .3 | 1 | 0.066 | 0.051 | 0.028 | 0.46 | 0.022 | 0.888 | 0.938 | 0.432 | 1.370 | 372.0 |
| 80 10 21 1145 | | | .3 | 1 | 0.061 | 0.041 | 0.058 | 0.440 | 0.018 | 1.180 | 1.256 | 0.382 | 1.638 | 334.00 |
| 80 11 25 1105 | | | .3 | 1 | 0.044 | 0.026 | 0.090 | 0.550 | 0.023 | 2.730 | 2.843 | 0.460 | 3.303 | 380.00 |
| 80 12 18 1015 | | | .3 | 1 | 0.048 | 0.033 | 0.350 | 0.800 | 0.010 | 2.940 | 3.300 | 0.450 | 3.750 | 412.00 |
| MAXIMUM | | | | | 0.272 | 0.225 | 3.700 | 4.620 | 0.023 | 2.940 | 5.997 | 1.770 | 6.917 | 781.00 |
| ARITH MEAN | | | | | 0.137 | 0.099 | 0.489 | 1.08 | 0.016 | 1.336 | 1.811 | 0.626 | 2.437 | 413 |
| GEOM MEAN | | | | | 0.113 | 0.076 | 0.138 | 0.79 | 0.015 | 0.870 | 1.161 | 0.572 | 1.927 | 401 |
| MINIMUM | | | | | 0.044 | 0.026 | 0.020 | 0.440 | 0.005 | 0.123 | 0.185 | 0.382 | 0.629 | 304.00 |
| STD DEV | | | | | 0.084 | 0.071 | 0.979 | 1.19 | 0.006 | 0.999 | 1.627 | 0.355 | 1.781 | 123 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | ALKT | PH | FWPH | PHNOL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL |
| 80 01 31 1200 | | | .3 | 1 | 4.00 | 380.00 | 610.0 | 2.80 | 46.000 | 39.500 | 217 | 7.65 | | 1.000< |
| 80 03 12 1125 | | | .3 | 1 | 12.00 | 769.00 | 1320.0 | 4.20 | 255.000 | 52.500 | 234.0 | 7.79 | | 1.000< |
| 80 03 27 1025 | | | .3 | 1 | 8.00 | 459.00 | 730.0 | 4.00 | 88.000 | 41.000 | 198.0 | 7.94 | | 1.000< |
| 80 04 22 1140 | | | .3 | 1 | 5.00 | 372.00 | 600.0 | 1.60 | 46.500 | 34.500 | 203.0 | 7.87 | | 1.000< |
| 80 05 08 1110 | | | .3 | 1 | 3.00 | 378.00 | 600.0 | 1.40 | 47.000 | 36.000 | 215.0 | 8.20 | | 1.000< |
| 80 06 05 1115 | | | .3 | 1 | 12.00 | 407.00 | 650.0 | 3.10 | 61.000 | 33.500 | 233.0 | 8.12 | | 1.000< |
| 80 07 08 1200 | | | .3 | 1 | | | 600.0 | | | | | 8.02 | 8.10 | |
| 80 07 09 | | | .3 | 1 | | | 600.0 | | | | | 8.01 | 7.90 | |
| 80 07 17 1115 | | | .3 | 1 | 8.00 | 296.00 | 460.0 | 3.70 | 31.500 | 22.500 | 172.0 | 7.97 | 7.6 | 1.000< |
| 80 08 12 1130 | | | .3 | 1 | 3 | 345 | 550 | 1.1 | 44.0 | 19.0 | 211 | 8.01 | 8.0 | 1 < |
| 80 09 29 1100 | | | .3 | 1 | 2.0 | 370.0 | 580 | 0.65 | 45.5 | 44.0 | 191 | 8.05 | 7.8 | 1 < |
| 80 10 21 1145 | | | .3 | 1 | 2.00 | 332.00 | 580.0 | 0.60 | 41.500 | 40.000 | 197.0 | 8.16 | 6.9 | 1.000< |
| 80 11 25 1105 | | | .3 | 1 | 6.00 | 374.00 | 600.0 | 1.30 | 45.000 | 45.500 | 200.0 | 8.02 | 7.8 | 1.000 |
| 80 12 18 1015 | | | .3 | 1 | 2.00 | 410.00 | 700.0 | 1.60 | 52.000 | 45.000 | 160.0 | 7.62 | 7.4 | 1.000< |
| MAXIMUM | | | | | 12.00 | 769.00 | 1320.0 | 4.20 | 255.000 | 52.500 | 234.0 | 8.20 | 8.10 | 1.000 |
| ARITH MEAN | | | | | 5 | 407 | 655 | 2.1 | 66.9 | 37.7 | 202 | 7.96 | 7.6 | 1 L |
| GEOM MEAN | | | | | 4 | 395 | 638 | 1.7 | 56.4 | 36.4 | 201 | 7.96 | 7.6 | 1 L |
| MINIMUM | | | | | 2.0 | 296.00 | 460.0 | 0.60 | 31.500 | 19.0 | 160.0 | 7.62 | 6.9 | 1.000< |
| STD DEV | | | | | 3 | 120 | 201 | 1.3 | 60.8 | 9.5 | 21 | 0.17 | 0.3 | 0 L |
| NO OF SAMPLES | | | | | 12 | 12 | 14 | 12 | 12 | 12 | 12 | 14 | 8 | 12 |

| TEST-NAME: | | | | | FEUT | COLAP | COD | ASUT | HGUT | ALUT | CRUT | CUUT | PBUT | CDUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | IRON UNF.TOT. MG/L AS FE | COLOUR APPARENT HZU | CHEM. OX DEMAND MG/L AS O | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. ~~UG/L~~ AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD |
| 80 01 31 1200 | | | .3 | 1 | 0.180 | 18.000 | 22 | 0.001< | 0.030< | 0.110 | 0.030 | 0.010< | 0.030< | 0.005 < |
| 80 03 12 1125 | | | .3 | 1 | 0.350 | 23.000 | 10 < | 0.001< | 0.020< | 0.220 | 0.020< | 0.010< | 0.030< | 0.005 < |
| 80 03 27 1025 | | | .3 | 1 | 0.300 | 35.000 | 16 | 0.001 | 0.020< | 0.250 | 0.020< | 0.010< | 0.030< | 0.005 < |
| 80 04 22 1140 | | | .3 | 1 | 0.120 | 27.000 | 40 | 0.001< | 0.02 | 0.04 | 0.02 < | 0.01 < | 0.03 < | 0.005 < |
| 80 05 08 1110 | | | .3 | 1 | 0.120 | 20.000 | 30 | 0.002 | 0.080 | 0.020 | 0.020< | 0.010< | 0.030< | 0.005 < |
| 80 06 05 1115 | | | .3 | 1 | 0.430 | 42.000 | 26 | 0.001< | 0.050< | 0.290 | 0.020< | 0.010< | 0.030< | 0.005 < |
| 80 07 17 1115 | | | .3 | 1 | | 48.000 | 42 | 0.001< | 0.04 < | 0.28 | 0.03 | 0.01 < | 0.03 < | 0.005 < |
| 80 08 12 1130 | | | .3 | 1 | 0.14 | 27 | 2.6 | 0.001< | 0.04 < | 0.097 | 0.002< | 0.001< | 0.002 | 0.0001< |
| 80 09 29 1100 | | | .3 | 1 | 0.10 | 15 | 14 | 0.001< | 0.03 < | 0.031 | 0.002< | 0.001< | 0.003< | 0.0040 |
| 80 10 21 1145 | | | .3 | 1 | 0.070 | 26.000 | 15 | 0.001< | 0.040< | 0.033 | 0.002< | 0.002 | 0.003< | 0.0002< |
| 80 11 25 1105 | | | .3 | 1 | 0.110 | 17.000 | 37 | 0.002 | 0.040< | 0.034 | 0.001< | 0.001 | 0.003< | 0.0003 |
| 80 12 18 1015 | | | .3 | 1 | 0.100 | 9.000 | 24 | | | | | | | |
| MAXIMUM | | | | | 0.430 | 48.000 | 42 | 0.002 | 0.080 | 0.290 | 0.03 | 0.01 | 0.03 | 0.005 |
| ARITH MEAN | | | | | 0.18 | 25 | 23 L | 0.001L | 0.03 L | 0.12 | 0.01 L | 0.00 L | 0.02 L | 0.003 L |
| GEOM MEAN | | | | | 0.16 | 23 | 19 L | 0.001L | 0.03 L | 0.08 | 0.00 L | 0.00 L | 0.01 L | 0.002 L |
| MINIMUM | | | | | 0.070 | 9.000 | 2.6< | 0.001< | 0.020< | 0.020 | 0.001< | 0.001< | 0.002< | 0.0001< |
| STD DEV | | | | | 0.12 | 11 | 12 L | 0.000L | 0.01 L | 0.11 | 0.01 L | 0.00 L | 0.01 L | 0.002 L |
| NO OF SAMPLES | | | | | 11 | 12 | 12 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

(CONTD)

| TEST-NAME: | | | | | ZNUT | MNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 01 31 1200 | | | .3 | 1 | 0.040 | 0.082 | 0.020< | 0.020 < | 0.010< |
| 80 03 12 1125 | | | .3 | 1 | 0.010< | 0.118 | 0.070 | 0.020 < | 0.010< |
| 80 03 27 1025 | | | .3 | 1 | 0.050 | 0.116 | 0.040 | 0.020 < | 0.010< |
| 80 04 22 1140 | | | .3 | 1 | 0.01 < | 0.110 | 0.02 < | 0.06 | 0.01 < |
| 80 05 08 1110 | | | .3 | 1 | 0.010< | 0.127 | 0.040 | 0.020 < | 0.010< |
| 80 06 05 1115 | | | .3 | 1 | 0.020 | 0.240 | 0.030 | 0.020 < | 0.010< |
| 80 07 17 1115 | | | .3 | 1 | 0.01 < | | 0.02 < | 0.02 < | 0.01 < |
| 80 08 12 1130 | | | .3 | 1 | 0.010 | 0.071 | 0.004 | 0.002 < | 0.01 < |
| 80 09 29 1100 | | | .3 | 1 | 0.003 | 0.065 | 0.010 | 0.003 | 0.01 < |
| 80 10 21 1145 | | | .3 | 1 | 0.003 | 0.057 | 0.004 | 0.002 < | 0.010< |
| 80 11 25 1105 | | | .3 | 1 | 0.016 | 0.103 | 0.009 | 0.0005< | |
| 80 12 18 1015 | | | .3 | 1 | | 0.119 | | | |
| MAXIMUM | | | | | 0.050 | 0.240 | 0.070 | 0.06 | 0.010 |
| ARITH MEAN | | | | | 0.01 L | 0.110 | 0.02 L | 0.01 L | 0.01 L |
| GEOM MEAN | | | | | 0.01 L | 0.102 | 0.01 L | 0.00 L | 0.01 L |
| MINIMUM | | | | | 0.003< | 0.057 | 0.004< | 0.0005< | 0.010< |
| STD DEV | | | | | 0.01 L | 0.050 | 0.02 L | 0.01 L | 0.00 L |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 10 |

B.O.W./SITE: **ETOBICOKE CREEK**
SAMPLE POINT: **HIGHWAY 2 LONG BRANCH**
STATION TYPE: **RIVER FLOW GAUGE FED 02HC030**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **ETOBICOKE CREEK**

STATION ID: **06-0080-001-02**
STORET CODE: **02**
**004**
**4110**

LAT: LONG: U.T.M.: **17 0617340.0 4827025.0 4** REGION: **03** DISTANCE: **0.483**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FCMF | FSMF | FWTEMP | DO | PPUT | PPO4FR | NNTKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | K'DAHL N TOTAL FIL.TOT. MG/L AS N |
| 80 01 11 1440 | | | .3 | 1 | 22023 | 6 9 | 21.000 | 1000< | 6700 | 1.6 | 12.2 | 1.640 | 0.086 | 6.550 |
| 80 02 14 1510 | | | .3 | 1 | 22083 | 4 | 0.241 | | | 1.0 | 12.4 | 0.175 | 0.146 | |
| 80 03 14 1045 | | | .3 | 1 | 21076 | 4 | 0.430 | | | 0.0 | 10.7 | 0.140 | 0.046 | |
| 80 03 21 1545 | | | .3 | 1 | 21090 | 6 3 | 51.700 | | | 2.5 | 11.6 | 2.610 | 0.130 | |
| 80 04 17 1515 | | | .3 | 1 | 21140 | 6 | 2.460 | 60I | 160 | 8.5 | 11.8 | 0.100 | 0.055 | |
| 80 04 25 1245 | | | .3 | 1 | 21202 | 6 | 1.730 | | | 10.5 | 9.5 | 0.108 | 0.013 | |
| 80 04 28 1445 | | | .3 | 1 | 21207 | 6 | 11.200 | | | 9.2 | 9.6 | 0.230 | 0.033 | |
| 80 05 06 1410 | | | .3 | 1 | 21212 | 6 | 0.888 | | | 18.8 | 10.2 | 0.040 | 0.002 | |
| 80 06 19 1510 | | | .3 | 1 | 21274 | 6 | 1.810 | | | 20.5 | 10.0 | 0.110 | 0.008 | |
| 80 07 04 1410 | | | .3 | 1 | 21340 | | 0.488 | | | | | 0.035 | 0.003 | |
| 80 08 11 1300 | | | .3 | 1 | 21402 | 6 | 0.459 | | | 22.0 | 13.6 | 0.038 | 0.005 | 0.600 |
| 80 09 10 1210 | | | .3 | 1 | 21463 | 6 | 0.350 | | | 18.5 | 10.6 | 0.043 | 0.003 | |
| 80 10 02 1400 | | | .3 | 1 | 21527 | 6 | 1.410 | | | 15.5 | 9.1 | 0.038 | 0.006 | |
| 80 11 07 1300 | | | .3 | 1 | 21589 | 6 | 1.010 | 110 | 70I | 5.2 | 12.0 | 0.022 | 0.007 | |
| MAXIMUM | | | | | | | 51.700 | 1000 | 6700 | 22.0 | 13.6 | 2.610 | 0.146 | 6.550 |
| ARITH MEAN | | | | | | | 6.798 | 390L | 2310 | 10.3 | 11.0 | 0.381 | 0.039 | 3.575 |
| GEOM MEAN | | | | | | | 1.633 | 188L | 422 | 6.6 | 10.9 | 0.113 | 0.016 | 1.982 |
| MINIMUM | | | | | | | 0.241 | 60< | 70 | 0.0 | 9.1 | 0.022 | 0.002 | 0.600 |
| STD DEV | | | | | | | 14.167 | 529L | 3802 | 8.0 | 1.3 | 0.766 | 0.049 | 4.207 |
| NO OF SAMPLES | | | | | | | 14 | 3 | 3 | 13 | 13 | 14 | 14 | 2 |

| TEST-NAME: | | | | | NNO2FR | NNO3FR | NNKI | RSP | RSF | COND25 | ALKT. | PH | FWPH | ASUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS |
| 80 01 11 1440 | | | .3 | 1 | 0.085 | 0.700 | 7.335 | 125.00 | 418.00 | | 119.0 | 7.68 | 7.4 | 0.008 |
| 80 02 14 1510 | | | .3 | 1 | | | | 1.00 | 823.00 | 1240.0 | 253 | 8.06 | 7.9 | 0.001 |
| 80 03 14 1045 | | | .3 | 1 | | | | 12.00 | 1836.00 | | 146.0 | 7.85 | 7.6 | 0.001 |
| 80 03 21 1545 | | | .3 | 1 | | | | 2469.00 | | | 212.0 | 7.52 | 7.6 | 0.002 |
| 80 04 17 1515 | | | .3 | 1 | | | | 32.00 | 582.00 | 800.0 | 182.0 | 8.23 | 8.1 | 0.001< |
| 80 04 25 1245 | | | .3 | 1 | | | | 34.00 | 500.00 | 740.0 | 119.0 | 8.13 | 8.1 | 0.001< |
| 80 04 28 1445 | | | .3 | 1 | | | | 101.00 | 445.00 | 600.0 | 135.0 | 7.81 | 8.1 | 0.004 |
| 80 05 06 1410 | | | .3 | 1 | | | | 2.00 | 635.00 | 1050.0 | 163.0 | 8.46 | 8.5 | 0.002 |
| 80 06 19 1510 | | | .3 | 1 | | | | 5.00 | 648.00 | | 146.0 | 8.45 | 8.1 | 0.001< |
| 80 07 04 1410 | | | .3 | 1 | | | | 2.00 | 555.00 | | 100.0 | 8.91 | | 0.001< |
| 80 08 11 1300 | | | .3 | 1 | 0.005 | 0.020 | 0.625 | 6.00 | 652.00 | 950.0 | 122.0 | 8.64 | 8.6 | 0.001< |
| 80 09 10 1210 | | | .3 | 1 | | | | 4.00 | 515.00 | 840.0 | 136.0 | 8.41 | 8.6 | 0.001 |
| 80 10 02 1400 | | | .3 | 1 | | | | 12 | 350 | 580 | 93 | 8.08 | 8.6 | 0.002 |
| 80 11 07 1300 | | | .3 | 1 | | | | 6.00 | 577.00 | 940.0 | 168.0 | 8.33 | 8.7 | 0.001< |
| MAXIMUM | | | | | 0.085 | 0.700 | 7.335 | 2469.00 | 1836.00 | 1240.0 | 253 | 8.91 | 8.7 | 0.008 |
| ARITH MEAN | | | | | 0.045 | 0.360 | 3.980 | 200 | 656 | 860 | 149 | 8.18 | 8.1 | 0.002L |
| GEOM MEAN | | | | | 0.021 | 0.118 | 2.141 | 14 | 598 | 836 | 144 | 8.17 | 8.1 | 0.001L |
| MINIMUM | | | | | 0.005 | 0.020 | 0.625 | 1.00 | 350 | 580 | 93 | 7.52 | 7.4 | 0.001< |
| STD DEV | | | | | 0.057 | 0.481 | 4.745 | 653 | 374 | 212 | 43 | 0.39 | 0.4 | 0.002L |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 14 | 13 | 9 | 14 | 14 | 13 | 14 |

| TEST-NAME: | | | | | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT | P1PCBT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | PCB TOTAL UG/L |
| 80 01 11 1440 | | | .3 | 1 | 0.140 | 0.140 | 0.170 | 0.180 | 0.010 | 0.280 | 0.170 |
| 80 02 14 1510 | | | .3 | 1 | 0.020 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.035 |
| 80 03 14 1045 | | | .3 | 1 | 0.020< | 0.020< | 0.020 | 0.030< | 0.005 < | 0.030 | 0.020R |
| 80 03 21 1545 | | | .3 | 1 | 0.160 | 0.090 | 0.090 | 0.030< | 0.005 < | 0.280 | 0.020R |
| 80 04 17 1515 | | | .3 | 1 | 0.040 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.020 | 0.020R |
| 80 04 25 1245 | | | .3 | 1 | 0.030 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.070 | 0.330 |
| 80 04 28 1445 | | | .3 | 1 | 0.100 | 0.020< | 0.030 | 0.100 | 0.005 < | 0.120 | 0.840 |
| 80 05 06 1410 | | | .3 | 1 | 0.030< | 0.020< | 0.030 | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 06 19 1510 | | | .3 | 1 | 0.030 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 07 04 1410 | | | .3 | 1 | 0.030< | 0.020< | 0.020 | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 08 11 1300 | | | .3 | 1 | 0.04 < | 0.011 | 0.002 | 0.003 | 0.0001 | 0.006 | 0.020R |
| 80 09 10 1210 | | | .3 | 1 | 0.04 < | 0.009 | 0.006 | 0.003< | 0.0002< | 0.009 | 0.020R |
| 80 10 02 1400 | | | .3 | 1 | 0.004 | 0.008 | 0.009 | 0.020 | 0.0002< | 0.031 | 0.020R |
| 80 11 07 1300 | | | .3 | 1 | 0.040< | 0.280 | 0.009 | 0.004 | 0.0003 | 0.022 | 0.020R |

(CONT'D)

B.O.W./ SITE: **ETOBICOKE CREEK**
SAMPLE POINT: **HIGHWAY 2 LONG BRANCH**
STATION TYPE: **RIVER FLOW GAUGE FED 02HC030**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **ETOBICOKE CREEK**

STATION ID: **06-0080-001-02**
STORET CODE: **02 004 4110**

LAT: LONG: U T M: **17 0617340.0 4827025.0 4** REGION: **03** DISTANCE: **0.483**

| TEST-NAME: | | | | | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT | P1PCBT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | PCB TOTAL UG/L |
| MAXIMUM | | | | | 0.180 | 0.280 | 0.170 | 0.180 | 0.010 | 0.280 | |
| ARITH MEAN | | | | | 0.05 L | 0.050L | 0.030L | 0.039L | 0.004 L | 0.065L | |
| GEOM MEAN | | | | | 0.03 L | 0.026L | 0.016L | 0.022L | 0.002 L | 0.028L | |
| MINIMUM | | | | | 0.004< | 0.008< | 0.002< | 0.003< | 0.0001< | 0.006< | |
| STD DEV | | | | | 0.04 L | 0.076L | 0.046L | 0.047L | 0.002 L | 0.086L | |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | |

B.O.W / SITE: **ETOBICOKE CREEK WEST**
SAMPLE POINT: **DERRY ROAD EAST MISSISSAUGA**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **ETOBICOKE CREEK**

STATION ID: **06-0080-002-02**
STORET CODE: **02 004 4110**

LAT: LONG: U T M: **17 0606925.0 4836550.0 4** REGION: **03** DISTANCE: **20.438**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 30 1445 | | | .3 | 1 | 27511 | 4 | 140I | 860 | 20I | 10< | 0 5 | 12 4 | 0 6 | 0 062 |
| 80 03 19 1400 | | | .3 | 1 | 27527 | 4 | 210000 | 2000000 | 940 | 3000> | 1 8 | 11 8 | 11 2 | 0 580 |
| 80 05 07 1405 | | | .3 | 1 | 27543 | 6 | 220 | 2900 | 10< | 750 | 14.2 | 9 5 | 1 2 | 0 059 |
| 80 06 17 1510 | | | .3 | 1 | 27559 | 5 8 | 200 | 880 | 30I | 10I | 22 0 | 12.5 | 0 8 | 0.025 |
| 80 08 08 1345 | | | .3 | 1 | 27575 | 5 8 | 400I | 4600 | 10I | 90I | 23 0 | 9 6 | 0 4 | 0 081 |
| 80 10 03 1440 | | | .3 | 1 | 27591 | 3 5 8 | 28000 | 17000 | 1760 | 2440 | 13.0 | 7 9 | 1.2 | 0 155 |
| 80 11 04 1505 | | | .3 | 1 | 27607 | 5 | 2000 | 9000 | 210 | 60I | 8.0 | 10 8 | 0 2 | 0 025 |
| MAXIMUM | | | | | | | 210000 | 2000000 | 1760 | 3000> | 23.0 | 12.5 | 11.2 | 0.580 |
| ARITH MEAN | | | | | | | 34423 | 290746 | 426L | 909B | 11.8 | 10.6 | 2.2 | 0.141 |
| GEOM MEAN | | | | | | | 1618 | 8455 | 80L | 162B | 6.8 | 10.5 | 0.9 | 0.077 |
| MINIMUM | | | | | | | 140 | 860 | 10< | 10< | 0.5 | 7.9 | 0.2 | 0.025 |
| STD DEV | | | | | | | 78096 | 753730 | 678L | 1275B | 8.9 | 1.7 | 4.0 | 0.198 |
| NO OF SAMPLES | | | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 30 1445 | | | .3 | 1 | 0.025 | 0.124 | 0.580 | 0.017 | 1.000 | 1.141 | 0 456 | 1.597 | 827.0 | 12.0 |
| 80 03 19 1400 | | | .3 | 1 | 0.210 | 1.480 | 4.600 | 0.084 | 1.970 | 3 534 | 3.120 | 6.654 | 391 0 | 79.0 |
| 80 05 07 1405 | | | .3 | 1 | 0.010 | 0.004 | 0.670 | 0.014 | 0.141 | 0.159 | 0 666 | 0.825 | 638 0 | 6.0 |
| 80 06 17 1510 | | | .3 | 1 | 0.007 | 0.006 | 0.460 | 0.002 | 0.008 | 0.016 | 0.454 | 0.470 | 558.0 | 6.0 |
| 80 08 08 1345 | | | .3 | 1 | 0.001 | 0.004 | 0.530 | 0.002 | 0.003 | 0.009 | 0.526 | 0.535 | 701.0 | 6.0 |
| 80 10 03 1440 | | | .3 | 1 | 0.022 | 0.066 | 0.70 | 0.053 | 0.217 | 0 336 | 0.634 | 0.970 | 484 | 116 |
| 80 11 04 1505 | | | .3 | 1 | 0.025 | 0.002< | 0.380 | 0.014 | 0.086 | 0.102 | 0.378 | 0.480 | 690.0 | 46.0 |
| MAXIMUM | | | | | 0.210 | 1.480 | 4.600 | 0.084 | 1.970 | 3.534 | 3.120 | 6.654 | 827.0 | 116 |
| ARITH MEAN | | | | | 0.043 | 0.241L | 1.13 | 0.027 | 0.489 | 0.757 | 0.881 | 1.647 | 612 | 38 |
| GEOM MEAN | | | | | 0.015 | 0.022L | 0.73 | 0.013 | 0.103 | 0.164 | 0.659 | 1.004 | 596 | 19 |
| MINIMUM | | | | | 0.001 | 0.002< | 0.380 | 0.002 | 0.003 | 0.009 | 0.378 | 0.470 | 391.0 | 6.0 |
| STD DEV | | | | | 0.074 | 0.548L | 1.53 | 0.031 | 0.739 | 1.287 | 0.988 | 2.243 | 146 | 43 |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 30 1445 | | | .3 | 1 | 815.0 | 1120 0 | 83.000 | 8.12 | 7.7 |
| 80 03 19 1400 | | | .3 | 1 | 312.0 | 405 0 | 48.000 | 7.53 | 6.8 |
| 80 05 07 1405 | | | .3 | 1 | 632 0 | 850.0 | 70.000 | 8.25 | 7 4 |
| 80 06 17 1510 | | | .3 | 1 | 552.0 | 750.0 | 76.000 | 8.47 | 7.3 |
| 80 08 08 1345 | | | .3 | 1 | | 900.0 | 79.500 | 8.38 | 7.2 |
| 80 10 03 1440 | | | .3 | 1 | 368 | 550 | 47.5 | 7.79 | 5.8 |
| 80 11 04 1505 | | | .3 | 1 | 644.0 | 960.0 | 66.500 | 8.15 | 7.2 |
| MAXIMUM | | | | | 815.0 | 1120.0 | 83.000 | 8.47 | 7.7 |
| ARITH MEAN | | | | | 553 | 790 | 67.2 | 8.10 | 7.1 |
| GEOM MEAN | | | | | 525 | 753 | 65.7 | 8.09 | 7.0 |
| MINIMUM | | | | | 312.0 | 405.0 | 47.5 | 7.53 | 5.8 |
| STD DEV | | | | | 187 | 245 | 14.3 | 0.33 | 0.6 |
| NO OF SAMPLES | | | | | 6 | 7 | 7 | 7 | 7 |

B.O.W./ SITE: **ETOBICOKE CREEK**
SAMPLE POINT: **BURNHAMTHORPE ROAD MISSISSAUGA**
STATION TYPE: **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ONTARIO**
TERM STREAM: **ETOBICOKE CREEK**

STATION ID **06-0080-003-02**
STORET CODE **02**
**004**
**4110**

LAT:
LONG:
U T M: **17 0614050.0 4832400.0 4**
REGION: **03**
DISTANCE. **8.890**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 30 1500 | | | .3 | 1 | 27512 | 4 | 6300 | 7000 | 330 | 30I | 0.5 | 11.0 | 0.6 | 0.074 |
| 80 03 19 1415 | | | .3 | 1 | 27528 | 6 | 42000C | 370000 | 680 | 3000> | 2.0 | 12.2 | 12.0 | 0.715 |
| 80 05 07 1430 | | | .3 | 1 | 27544 | 6 | 560 | 2700 | 40I | 50I | 15.0 | 10.4 | 1.4 | 0.029 |
| 80 06 17 1530 | | | .3 | 1 | 27560 | 6 | 1800C | 38000 | 140 | 190 | 21.0 | 9.9 | 0.8 | 0.340 |
| 80 08 08 1410 | | | .3 | 1 | 27576 | 5 | 11500 | 18000 | 150 | 580 | 24.5 | 9.2 | 0.4 | 0.023 |
| 80 10 03 1500 | | | .3 | 1 | 27592 | 3 | 31000C | 510000 | 3000 | 8600 | 13.0 | 7.7 | 2.8 | 0.650 |
| 80 11 04 1525 | | | .3 | 1 | 27608 | 5 9 | 6000I | 32000 | 140 | 130 | 9.0 | 10.8 | 0.6 | 0.038 |
| MAXIMUM | | | | | | | 42000 | 510000 | 3000 | 8600> | 24.5 | 12.2 | 12.0 | 0.715 |
| ARITH MEAN | | | | | | | 14166 | 139671 | 640 | 1797G | 12.1 | 10.2 | 2.7 | 0.267 |
| GEOM MEAN | | | | | | | 6642 | 35980 | 259 | 343G | 7.1 | 10.1 | 1.3 | 0.117 |
| MINIMUM | | | | | | | 560 | 2700 | 40 | 30 | 0.5 | 7.7 | 0.4 | 0.023 |
| STD DEV | | | | | | | 15978 | 209480 | 1062 | 3182G | 9.0 | 1.4 | 4.2 | 0.305 |
| NO OF SAMPLES | | | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 30 1500 | | | .3 | 1 | 0.044 | 0.348 | 0.730 | 0.020 | 1.250 | 1.618 | 0.382 | 2.000 | 792.0 | 5.0 |
| 80 03 19 1415 | | | .3 | 1 | 0.075 | 1.440 | 4.950 | 0.170 | 1.630 | 3.240 | 3.510 | 6.750 | 633.0 | 296.0 |
| 80 05 07 1430 | | | .3 | 1 | 0.001< | 0.002< | 0.740 | 0.052 | 0.568 | 0.622 | 0.738 | 1.360 | 621.0 | 1.0 |
| 80 06 17 1530 | | | .3 | 1 | 0.024 | 0.006 | 0.600 | 0.016 | 0.249 | 0.271 | 0.594 | 0.865 | 687.0 | 297.0 |
| 80 08 08 1410 | | | .3 | 1 | 0.001 | 0.016 | 0.410 | 0.003 | 0.110 | 0.129 | 0.394 | 0.523 | 603.0 | 2.0 |
| 80 10 03 1500 | | | .3 | 1 | 0.049 | 0.076 | 1.45 | 0.042 | 0.648 | 0.766 | 1.374 | 2.140 | 898 | 566 |
| 80 11 04 1525 | | | .3 | 1 | 0.016 | 0.012 | 0.620 | 0.047 | 0.823 | 0.882 | 0.608 | 1.490 | 629.0 | 27.0 |
| MAXIMUM | | | | | 0.075 | 1.440 | 4.950 | 0.170 | 1.630 | 3.240 | 3.510 | 6.750 | 898 | 566 |
| ARITH MEAN | | | | | 0.030L | 0.271L | 1.35 | 0.050 | 0.754 | 1.075 | 1.086 | 2.161 | 694 | 170 |
| GEOM MEAN | | | | | 0.013L | 0.037L | 0.92 | 0.029 | 0.558 | 0.693 | 0.791 | 1.597 | 687 | 28 |
| MINIMUM | | | | | 0.001< | 0.002< | 0.410 | 0.003 | 0.110 | 0.129 | 0.382 | 0.523 | 603.0 | 1.0 |
| STD DEV | | | | | 0.027L | 0.530L | 1.61 | 0.056 | 0.538 | 1.069 | 1.120 | 2.103 | 110 | 221 |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 30 1500 | | | .3 | 1 | 787.0 | 1160.0 | 115.000 | 8.02 | 7.5 |
| 80 03 19 1415 | | | .3 | 1 | 337.0 | 495.0 | 77.000 | 7.45 | 6.8 |
| 80 05 07 1430 | | | .3 | 1 | 620.0 | 900.0 | 105.000 | 8.33 | 7.6 |
| 80 06 17 1530 | | | .3 | 1 | 390.0 | 550.0 | 60.000 | 8.52 | 6.8 |
| 80 08 08 1410 | | | .3 | 1 | | 850.0 | 93.500 | 8.36 | 7.2 |
| 80 10 03 1500 | | | .3 | 1 | 332 | 530 | 50.0 | 7.65 | 6.8 |
| 80 11 04 1525 | | | .3 | 1 | 602.0 | 940.0 | 36.500 | 8.24 | 7.1 |
| MAXIMUM | | | | | 787.0 | 1160.0 | 115.000 | 8.52 | 7.6 |
| ARITH MEAN | | | | | 611 | 775 | 76.7 | 8.08 | 7.1 |
| GEOM MEAN | | | | | 483 | 739 | 71.4 | 8.07 | 7.1 |
| MINIMUM | | | | | 332 | 495.0 | 36.500 | 7.45 | 6.8 |
| STD DEV | | | | | 186 | 263 | 29.3 | 0.40 | 0.3 |
| NO OF SAMPLES | | | | | 6 | 7 | 7 | 7 | 7 |

B.O.W./ SITE: **ETOBICOKE CREEK**
SAMPLE POINT: **AT HWY.10 1.2 MILES N-W OF SNELGROVE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **ETOBICOKE CREEK**

STATION ID: **06-0080-004-02**
STORET CODE: **02**
**004**
**4110**

LAT:
LONG:
U T M: **17 0593400.0 4843950.0 4**
REGION: **03**
DISTANCE: **38.301**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | FCMF | FWTEMP | DO | PPUT | NNHTFR | RSP | COND25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | FECAL COLIFORM MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C |
| 80 01 30 1345 | | | .3 | 1 | 27509 | 4 | 20< | 10< | 0.5 | 8.6 | 0.119 | 0.346 | 7.00 | 960.0 |
| 80 03 19 1300 | | | .3 | 1 | 27525 | 6 | 20000 | 1200 | 1.5 | 10.4 | 0.730 | 2.040 | | |
| 80 05 07 1315 | | | .3 | 1 | 27541 | 6 | 700I | 140I | 13.5 | 7.9 | 0.125 | 0.138 | 13.00 | 600.0 |
| 80 06 17 1420 | | | .3 | 1 | 27557 | 5 8 | 500I | 140 | 16.8 | 7.9 | 0.125 | 0.376 | 7.00 | 800.0 |
| 80 08 08 1255 | | | .3 | 1 | 27573 | 5 8 | 2900 | 200I | 20.5 | 6.3 | 0.169 | 0.072 | 24.00 | 850.0 |
| 80 10 03 1350 | | | .3 | 1 | 27589 | 7 5 8 | 3200C | 920 | 12.0 | 6.7 | 0.635 | 0.064 | 632 | 900 |
| 80 11 04 1415 | | | .3 | 1 | 27605 | 5 8 | 600I | 40I | 7.0 | 10.2 | 0.056 | 0.074 | 15.00 | 820.0 |
| MAXIMUM | | | | | | | 20000 | 1200 | 20.5 | 10.4 | 0.730 | 2.040 | 632 | 960.0 |
| ARITH MEAN | | | | | | | 3989L | 379L | 10.3 | 8.3 | 0.280 | 0.444 | 118 | 821 |
| GEOM MEAN | | | | | | | 965L | 150L | 6.0 | 8.2 | 0.186 | 0.199 | 22 | 813 |
| MINIMUM | | | | | | | 20< | 10< | 0.5 | 6.3 | 0.056 | 0.064 | 7.00 | 600.0 |
| STD DEV | | | | | | | 7169L | 477L | 7.6 | 1.6 | 0.278 | 0.716 | 252 | 123 |
| NO OF SAMPLES | | | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 |

(CONTD)

B.O.W./ SITE: **ETOBICOKE CREEK**
SAMPLE POINT: **AT HWY.10 1.2 MILES N-W OF SNELGROVE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **ETOBICOKE CREEK**

STATION ID: **06-0080-004-02**
STORET CODE: **02**
**004**
**4110**

LAT: LONG: U T M: **17 0593400.0 4843950.0 4** REGION: **03** DISTANCE: **38.301**

| TEST-NAME: | | | | TURB | ALKT | PH | FWPH | PHNOL | FEUT | ASUT | CRUT | CUUT | PBUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | TURB'ITY FTU | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | ARSENIC UNF.TOT. MG/L AS AS | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB |
| 80 01 30 1345 | | | .3 1 | 5.90 | 284 | 7.75 | 6.9 | 1.000< | 0.490 | 0.001< | 0.020< | 0.010 | 0.030< |
| 80 03 19 1300 | | | .3 1 | | | | 6.6 | | | | | | |
| 80 05 07 1315 | | | .3 1 | 7.80 | 221 | 8.03 | 6.5 | 1.000< | 0.680 | 0.002 | | 0.020 | 0.030< |
| 80 06 17 1420 | | | .3 1 | 5.40 | 251.0 | 7.95 | 6.5 | 1.000< | 0.560 | 0.002 | 0.020< | 0.010 | 0.030< |
| 80 08 08 1255 | | | .3 1 | 8.80 | 250.0 | 7.84 | 6.9 | 1.000< | 0.360 | 0.002 | 0.002< | 0.001< | 0.002 |
| 80 10 03 1350 | | | .3 1 | 3.50 | 263 | 7.92 | 6.1 | 1 < | | 0.004 | 0.002< | 0.007 | 0.010 |
| 80 11 04 1415 | | | .3 1 | 6.00 | 262.0 | 8.09 | 6.8 | 1.000< | | | | | |
| **MAXIMUM** | | | | **8.80** | **284** | **8.09** | **6.9** | **1.000** | **0.680** | **0.004** | **0.020** | **0.020** | **0.030** |
| **ARITH MEAN** | | | | **6.23** | **255** | **7.93** | **6.6** | **1 L** | **0.522** | **0.002L** | **0.011L** | **0.010L** | **0.020L** |
| **GEOM MEAN** | | | | **5.98** | **254** | **7.93** | **6.6** | **1 L** | **0.509** | **0.002L** | **0.008L** | **0.007L** | **0.014L** |
| **MINIMUM** | | | | **3.50** | **221** | **7.75** | **6.1** | **1.000<** | **0.360** | **0.001<** | **0.002<** | **0.001<** | **0.002<** |
| **STD DEV** | | | | **1.86** | **20** | **0.12** | **0.3** | **0 L** | **0.134** | **0.001L** | **0.010L** | **0.007L** | **0.013L** |
| **NO OF SAMPLES** | | | | **6** | **6** | **6** | **7** | **6** | **4** | **5** | **4** | **5** | **5** |

| TEST-NAME: | | | | CDUT | ZNUT | NIUT | P1PCBT | X3PCPH | P3245T |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | PCB TOTAL UG/L | PENTACHL PHENOL UG/L | 2,4,5-T UG/L |
| 80 01 30 1345 | | | .3 1 | 0.005 < | 0.010 | 0.020< | 0.020R | | |
| 80 03 19 1300 | | | .3 1 | | | | 0.020R | | |
| 80 05 07 1315 | | | .3 1 | 0.005 < | 0.010< | 0.020< | 0.020R | | |
| 80 06 17 1420 | | | .3 1 | 0.005 < | 0.020 | 0.020< | 0.020R | | |
| 80 08 08 1255 | | | .3 1 | 0.0001< | 0.002 | 0.002< | 0.020R | | 0.050R |
| 80 10 03 1350 | | | .3 1 | 0.0003 | 0.022 | 0.002 | 0.020R | | |
| 80 11 04 1415 | | | .3 1 | | | | 0.020R | 0.050 | 0.050R |
| **MAXIMUM** | | | | **0.005** | **0.022** | **0.020** | | **0.050** | **0.050** |
| **ARITH MEAN** | | | | **0.003 L** | **0.013L** | **0.013L** | | **0.050** | **0.050B** |
| **GEOM MEAN** | | | | **0.001 L** | **0.010L** | **0.008L** | | | **0.050B** |
| **MINIMUM** | | | | **0.0001<** | **0.002<** | **0.002<** | | **0.050** | **0.050** |
| **STD DEV** | | | | **0.002 L** | **0.008L** | **0.010L** | | | **0.000B** |
| **NO OF SAMPLES** | | | | **5** | **5** | **5** | | **1** | **2** |

B.O.W./ SITE: **MIMICO CREEK**
SAMPLE POINT: **HIGHWAY 2 MIMICO**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **MIMICO CREEK**

STATION ID: **06-0082-001-02**
STORET CODE: **02**
**004**
**4080**

LAT: LONG: U T M: **17 0622450.0 4830800.0 4** REGION: **03** DISTANCE: **0.161**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 30 1525 | | | .3 1 | 27513 | 6 | 1800 | 16000 | 200I | 200I | 1.0 | 11.2 | 2.4 | 0.273 |
| 80 03 19 1430 | | | .3 1 | 27529 | 6 | 18000 | 90000 | 620 | 3000> | 8.0 | 11.2 | 10.0 | 0.930 |
| 80 05 07 1445 | | | .3 1 | 27545 | 0 | 12000 | 100000 | 460 | 1300 | 15.5 | 10.4 | 2.6 | 0.100 |
| 80 06 17 1550 | | | .3 1 | 27561 | 5 9 | 1700 | 11900 | 220 | 100< | 22.5 | 9.6 | 1.6 | 0.179 |
| 80 08 08 1430 | | | .3 1 | 27577 | 5 0 | 11800C | 21000 | 280 | 260 | 24.5 | 11.2 | 0.6 | 0.385 |
| 80 10 03 1520 | | | .3 1 | 27593 | 3 0 9 | 250000 | 700000 | 14800 | 37000 | 13.2 | 7.9 | 14 | 1.15 |
| 80 11 04 1545 | | | .3 1 | 27609 | 5 9 | 350000 | 940000 | 12000 | 41000 | 11.0 | 9.6 | 1.6 | 0.370 |
| **MAXIMUM** | | | | | | **350000** | **940000** | **14800** | **41000>** | **24.5** | **11.2** | **14** | **1.15** |
| **ARITH MEAN** | | | | | | **92186** | **268414** | **4083** | **11837B** | **13.7** | **10.2** | **4** | **0.48** |
| **GEOM MEAN** | | | | | | **18281** | **81400** | **935** | **1631B** | **10.0** | **10.1** | **2** | **0.35** |
| **MINIMUM** | | | | | | **1700** | **11900** | **200** | **100<** | **1.0** | **7.9** | **0.6** | **0.100** |
| **STD DEV** | | | | | | **144986** | **384754** | **6418** | **18619B** | **8.2** | **1.2** | **5** | **0.39** |
| **NO OF SAMPLES** | | | | | | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** |

| TEST-NAME: | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 30 1525 | | | .3 1 | 0.170 | 0.440 | 1.000 | 0.046 | 1.600 | 2.086 | 0.560 | 2.646 | 942.0 | 9.0 |
| 80 03 19 1430 | | | .3 1 | 0.220 | 0.680 | 2.500 | 0.115 | 1.540 | 2.335 | 1.820 | 4.155 | 751.0 | 71.0 |
| 80 05 07 1445 | | | .3 1 | 0.035 | 0.002< | 0.720 | 0.055 | 0.570 | 0.627 | 0.718 | 1.345 | 684.0 | 4.0 |
| 80 06 17 1550 | | | .3 1 | 0.090 | 0.002 | 0.730 | 0.033 | 0.617 | 0.652 | 0.728 | 1.380 | 603.0 | 17.0 |
| 80 08 08 1430 | | | .3 1 | 0.335 | 0.074 | 0.610 | 0.024 | 0.578 | 0.676 | 0.536 | 1.212 | 654.0 | 3.0 |
| 80 10 03 1520 | | | .3 1 | 0.064 | 0.40 | 3.65 | 0.046 | 0.204 | 0.650 | 3.250 | 3.900 | 961 | 724 |
| 80 11 04 1545 | | | .3 1 | 0.020 | 0.006 | 0.500 | 0.050 | 1.300 | 1.356 | 0.494 | 1.850 | 633.0 | 7.0 |
| **MAXIMUM** | | | | **0.335** | **0.680** | **3.65** | **0.115** | **1.600** | **2.335** | **3.250** | **4.155** | **961** | **724** |
| **ARITH MEAN** | | | | **0.133** | **0.22 L** | **1.38** | **0.053** | **0.916** | **1.197** | **1.158** | **2.355** | **746** | **119** |
| **GEOM MEAN** | | | | **0.091** | **0.04 L** | **1.05** | **0.047** | **0.749** | **1.025** | **0.896** | **2.097** | **735** | **18** |
| **MINIMUM** | | | | **0.020** | **0.002<** | **0.500** | **0.024** | **0.204** | **0.627** | **0.494** | **1.212** | **603.0** | **3.0** |
| **STD DEV** | | | | **0.115** | **0.27 L** | **1.20** | **0.029** | **0.553** | **0.742** | **1.031** | **1.241** | **147** | **267** |
| **NO OF SAMPLES** | | | | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** |

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | PH | FWPH | ASUT | ALUT | CRUT | CUUT | PBUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB |
| 80 01 30 1525 | | | .3 | 1 | 1380.0 | 4.70 | 240.000 | 8.17 | 8.1 | | | | | |
| 80 03 19 1430 | | | .3 | 1 | 1140 0 | 50.00 | 243.000 | 7 72 | 7 3 | | | | | |
| 80 05 07 1445 | | | .3 | 1 | 1050.0 | 5.40 | 183 000 | 8 50 | 8 1 | | | | | |
| 80 06 17 1550 | | | .3 | 1 | 900.0 | 16.00 | 152 000 | 8 63 | 7 5 | 0.002 | 0 540 | 0 150 | 0.010 | 0 030< |
| 80 08 08 1430 | | | .3 | 1 | 1000.0 | 1.60 | 173 000 | 8.45 | 6 7 | | | | | |
| 80 10 03 1520 | | | 3 | 1 | 365 | 50 | 41 0 | 7 39 | 7 4 | | | | | |
| 80 11 04 1545 | | | 3 | 1 | 1040 0 | 3 80 | 166.000 | 8 24 | 7 2 | 0 002 | 0 003< | 0 007 | 0 018 | 0 007 |
| MAXIMUM | | | | | **1380.0** | **50.00** | **243.000** | **8.63** | **8.1** | **0.002** | **0.540** | **0.150** | **0.018** | **0.030** |
| ARITH MEAN | | | | | **982** | **18** | **171.1** | **8.16** | **7.6** | **0.002** | **0.271L** | **0.078** | **0.014** | **0.018L** |
| GEOM MEAN | | | | | **921** | **9** | **152.4** | **8.15** | **7.5** | **0.002** | **0.040L** | **0.032** | **0.013** | **0.014L** |
| MINIMUM | | | | | **365** | **1.60** | **41.0** | **7.39** | **6.7** | **0.002** | **0.003<** | **0.007** | **0.010** | **0.007<** |
| STD DEV | | | | | **310** | **21** | **87.5** | **0.45** | **0.5** | **0.000** | **0.380L** | **0.101** | **0.006** | **0.016L** |
| NO OF SAMPLES | | | | | **7** | **7** | **7** | **7** | **7** | **2** | **2** | **2** | **2** | **2** |

| TEST-NAME: | | | | | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 06 17 1550 | | | 3 | 1 | 0 005 < | 0.020 | 0.060 | 0 020 < |
| 80 11 04 1545 | | | .3 | 1 | 0 0006 | 0 035 | 0 007 | 0 0005< |
| MAXIMUM | | | | | **0.006** | **0.035** | **0.060** | **0.020** |
| ARITH MEAN | | | | | **0.002 L** | **0.027** | **0.033** | **0.010 L** |
| GEOM MEAN | | | | | **0.001 L** | **0.026** | **0.020** | **0.003 L** |
| MINIMUM | | | | | **0.0006<** | **0.020** | **0.007** | **0.0005<** |
| STD DEV | | | | | **0.003 L** | **0.011** | **0.037** | **0.013 L** |
| NO OF SAMPLES | | | | | **2** | **2** | **2** | **2** |

B.O.W./ SITE: **MIMICO CREEK**
SAMPLE POINT: **RICHVIEW SIDE ROAD ETOBICOKE**
STATION TYPE: **RIVER FLOW GAUGE FED 02HC033**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **MIMICO CREEK**

STATION ID: **06-0082-002-02**
STORET CODE: **02**
**004**
**4080**

LAT: LONG: U T M: **17 0615300.0 4836325.0 4** REGION: **03** DISTANCE: **10.400**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 30 1615 | | | .3 | 1 | 27515 | 4 | 0 098 | 3000 | 5000 | 40I | 400 | 0.5 | 12.0 | 2.6 |
| 80 03 19 1515 | | | 3 | 1 | 27531 | 0 6 | 1.450 | 15000 | 70000 | 320 | 3300 | 7.0 | 11 2 | 9 0 |
| 80 05 07 1515 | | | .3 | 1 | 27547 | 6 | 0.419 | 26000 | 50000 | 500 | 100I | 14 8 | 11.4 | 4 2 |
| 80 06 17 1630 | | | .3 | 1 | 27563 | 5 | 0 228 | 3200C | 41000 | 140I | 130 | 22 1 | 13.2 | 1 0 |
| 80 08 08 1500 | | | .3 | 1 | 27579 | 5 | 0 491 | 5400000 | 4200000 | 1100 | 7500 | 23.8 | 8.4 | 10.0 |
| 80 10 03 1600 | | | .3 | 1 | 27595 | 3 9 0 | 3.060 | 350000 | 790000 | 5500 | 27000 | 11 2 | 8 2 | 7 0 |
| 80 11 04 1620 | | | 3 | 1 | 27611 | 5 | 0 278 | 39000C | 275000 | 450 | 580 | 9 0 | 8 8 | 3.2 |
| MAXIMUM | | | | | | | **3.060** | **5400000** | **4200000** | **5500** | **27000** | **23.8** | **13.2** | **10.0** |
| ARITH MEAN | | | | | | | **0.881** | **833743** | **775857** | **1150** | **5573** | **12.6** | **10.5** | **5.3** |
| GEOM MEAN | | | | | | | **0.478** | **43093** | **130790** | **423** | **1105** | **8.3** | **10.3** | **4.2** |
| MINIMUM | | | | | | | **0.098** | **3000** | **5000** | **40** | **100** | **0.5** | **8.2** | **1.0** |
| STD DEV | | | | | | | **1.088** | **2017384** | **1534880** | **1948** | **9826** | **8.3** | **2.0** | **3.4** |
| NO OF SAMPLES | | | | | | | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 30 1615 | | | .3 | 1 | 0 190 | 0 106 | 0.720 | 1 180 | 0.055 | 1.690 | 2.465 | 0 460 | 2 925 | 796.0 |
| 80 03 19 1515 | | | .3 | 1 | 0.300 | 0 060 | 0 950 | 3.400 | 0.115 | 1 490 | 2.555 | 2.450 | 5.005 | 800.0 |
| 80 05 07 1515 | | | .3 | 1 | 0.065 | 0.004 | 0 120 | 1.000 | 0.080 | 1.420 | 1 620 | 0.880 | 2.500 | 714.0 |
| 80 06 17 1630 | | | .3 | 1 | 0.093 | 0.011 | 0 010 | 1 220 | 0.068 | 1.030 | 1.108 | 1.210 | 2.318 | 601.0 |
| 80 08 08 1500 | | | .3 | 1 | 0 360 | 0 004 | 0.020 | 3 000 | 0.330 | 0.990 | 1 340 | 2.980 | 4.320 | 749.0 |
| 80 10 03 1600 | | | .3 | 1 | 1 32 | 0.082 | 0.198 | 2.55 | 0.064 | 0.426 | 0.688 | 2.352 | 3.040 | 1323 |
| 80 11 04 1620 | | | .3 | 1 | 0.405 | 0.030 | 0.840 | 1 350 | 0.034 | 1 870 | 2.744 | 0.510 | 3.254 | 645.0 |
| MAXIMUM | | | | | **1.32** | **0.106** | **0.950** | **3.400** | **0.330** | **1.870** | **2.744** | **2.980** | **5.005** | **1323** |
| ARITH MEAN | | | | | **0.39** | **0.042** | **0.408** | **1.95** | **0.107** | **1.274** | **1.789** | **1.549** | **3.337** | **804** |
| GEOM MEAN | | | | | **0.25** | **0.022** | **0.180** | **1.75** | **0.082** | **1.165** | **1.616** | **1.231** | **3.226** | **779** |
| MINIMUM | | | | | **0.065** | **0.004** | **0.010** | **1.000** | **0.034** | **0.426** | **0.688** | **0.460** | **2.318** | **601.0** |
| STD DEV | | | | | **0.43** | **0.041** | **0.411** | **0.99** | **0.102** | **0.493** | **0.802** | **1.027** | **0.979** | **240** |
| NO OF SAMPLES | | | | | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** |

| TEST-NAME: | | | | | RSP | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 30 1615 | | | .3 | 1 | 4.0 | 792.0 | 1300.0 | 200.000 | 8.13 | 7.5 |
| 80 03 19 1515 | | | .3 | 1 | 123.0 | 677.0 | 1120.0 | 241.000 | 7.65 | 7.1 |
| 80 05 07 1515 | | | .3 | 1 | 3.0 | 711.0 | 1050.0 | 166.000 | 8.29 | 7.5 |
| 80 06 17 1630 | | | .3 | 1 | 7.0 | 594.0 | 900.0 | 143.000 | 8.60 | 7.5 |
| 80 08 08 1500 | | | .3 | 1 | 201 0 | 548.000 | 1000.0 | 150.000 | 8.56 | 7.5 |
| 80 10 03 1600 | | | .3 | 1 | 1167 | 156 | 240 | 22.5 | 7.95 | 6.7 |
| 80 11 04 1620 | | | .3 | 1 | 31.0 | 614.0 | 1030.0 | 180.000 | 7.82 | 7.4 |
| MAXIMUM | | | | | **1167** | **792.0** | **1300.0** | **241.000** | **8.60** | **7.5** |
| ARITH MEAN | | | | | **219** | **584** | **948** | **157.5** | **8.14** | **7.3** |
| GEOM MEAN | | | | | **35** | **530** | **857** | **131.9** | **8.14** | **7.3** |
| MINIMUM | | | | | **3.0** | **156** | **240** | **22.5** | **7.65** | **6.7** |
| STD DEV | | | | | **424** | **205** | **335** | **68.1** | **0.36** | **0.3** |
| NO OF SAMPLES | | | | | **7** | **7** | **7** | **7** | **7** | **7** |

B.O.W / SITE: **HUMBER RIVER**
SAMPLE POINT: **LAKESHORE ROAD TORONTO**
STATION TYPE: **RIVER FLOW GAUGE FED 02HC003**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **HUMBER RIVER**

STATION ID: **06-0083-001-02**
STORET CODE: **02**
**004**
**4080**

LAT: LONG: U T M: **17 0623150.0 4832025.0 4** REGION: **03**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FCMF | FSMF | PSAMF | FWTEMP | DO | PPUT | PPO4FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P |
| 80 01 02 1345 | | | .3 | 1 | 37900 | | 6.390 | 1050 | | 4 | | | 0.060 | 0.019 |
| 80 01 08 1315 | | | .3 | 1 | 37901 | | 2.600 | 2660 | | 100 | | | 0.080 | 0.030 |
| 80 01 11 1415 | | | .3 | 1 | 22022 | 6 9 | 11.000 | 106000 | 73000 | | 2.0 | 12.6 | 0.985 | 0.098 |
| 80 01 14 1130 | | | .3 | 1 | 37902 | | 11.800 | 3000 | | 20 | | | 0.168 | 0.061 |
| 80 01 17 1100 | | | .3 | 1 | 37903 | | 6.560 | 2000 | | 20 | | | 0.095 | 0.032 |
| 80 01 21 1030 | | | .3 | 1 | 37904 | | 3.900 | 7300 | | 28 | | | 0.088 | 0.037 |
| 80 02 07 1550 | | | .3 | 1 | 22073 | 6 | 1.320 | 300 | 440 | | 0.5 | 11.6 | 0.076 | 0.033 |
| 80 02 14 1515 | | | .3 | 1 | 22082 | 6 | 1.370 | 1960 | 480 | | 0.0 | 13.6 | 0.075 | 0.036 |
| 80 03 06 1600 | | | .3 | 1 | 21062 | 6 | 2.180 | 2400 | 560 | | 0.5 | 14.0 | 0.158 | 0.053 |
| 80 03 14 1115 | | | .3 | 1 | 21077 | 6 | 4.500 | 1020 | 3000> | | 0.0 | 10.9 | 0.105 | 0.035 |
| 80 03 21 1440 | | | .3 | 1 | 21089 | 6 3 | 105.000 | 16000 | 42000 | | 2.0 | 11.6 | 1.940 | 0.093 |
| 80 03 27 1600 | | | .3 | 1 | 21132 | 6 | 15.700 | 200I | 2200 | | 5.0 | 12.9 | 1.750 | 0.048 |
| 80 03 31 1330 | | | .3 | 1 | 37917 | | 11.000 | 7200 | | 10I | | | 0.173 | 0.035 |
| 80 04 09 1500 | | | .3 | 1 | 21136 | 6 | 39.600 | 580 | 3000> | | 10.2 | 11.3 | 1.045 | 0.046 |
| 80 04 14 1430 | | | .3 | 1 | 37920 | | 18.300 | 140 | | 20I | | | 0.138 | 0.017 |
| 80 04 17 1430 | | | .3 | 1 | 21139 | 6 | 17.300 | 860 | 2200 | | 5.5 | 13.4 | 0.220 | 0.031 |
| 80 04 25 1222 | | | .3 | 1 | 21201 | 6 | 6.180 | 4000 | 5300 | | 10.5 | 9.6 | 0.060 | 0.009 |
| 80 04 28 1415 | | | .3 | 1 | 21206 | 6 | 9.490 | 1900 | 800I | | 10.0 | 10.3 | 0.078 | 0.008 |
| 80 05 06 1330 | | | .3 | 1 | 21211 | 6 | 5.550 | 520 | 340 | | 16.5 | 7.8 | 0.105 | 0.003 |
| 80 06 19 1440 | | | .3 | 1 | 21273 | 6 | 2.800 | | | | 18.0 | 9.7 | 0.102 | 0.009 |
| 80 07 04 1430 | | | .3 | 1 | 21339 | | 2.010 | 250 | 30I | | | | 0.108 | 0.003 |
| 80 08 11 1230 | | | .3 | 1 | 21401 | 6 | 1.930 | 1120 | 184 | | 23.6 | 9.2 | 0.125 | 0.008 |
| 80 09 02 1415 | | | .3 | 1 | 37938 | | 2.850 | 5200 | | 360 | | | 0.118 | 0.015 |
| 80 09 10 1300 | | | .3 | 1 | 21464 | 6 | 1.640 | 2500 | 1400 | | 18.6 | 9.2 | 0.10 | 0.002 |
| 80 10 02 1308 | | | .3 | 1 | 21526 | 6 | 1.840 | 4000I | 1700 | | 15.0 | 7.8 | 0.048 | 0.009 |
| 80 11 07 1330 | | | .3 | 1 | 21590 | 6 | 2.890 | 300 | 1320 | | 3.5 | 7.8 | 0.035 | 0.012 |
| 80 11 20 1400 | | | .3 | 1 | 37947 | | 2.700 | 170 | | 10I | | | 0.025 | 0.001 |
| 80 11 26 | | | .3 | 1 | 21651 | 8 | 2.580 | 1030 | 400I | | | | 0.032 | 0.005 |
| 80 12 05 1230 | | | .3 | 1 | 21653 | 6 | 5.310 | 350 | 1040 | | 0.0 | 8.4 | 0.048 | 0.014 |
| 80 12 12 1400 | | | .3 | 1 | 37949 | | 4.100 | 190 | | 10< | | | 0.065 | 0.024 |
| **MAXIMUM** | | | | | | | **105.000** | **108000** | **73000>** | **360** | **23.6** | **14.0** | **1.940** | **0.098** |
| **ARITH MEAN** | | | | | | | **10.348** | **6007** | **7337G** | **58L** | **7.9** | **10.6** | **0.27** | **0.028** |
| **GEOM MEAN** | | | | | | | **5.197** | **1350** | **1308G** | **22L** | **4.2** | **10.5** | **0.12** | **0.017** |
| **MINIMUM** | | | | | | | **1.320** | **140** | **30** | **4<** | **0.0** | **7.8** | **0.025** | **0.001** |
| **STD DEV** | | | | | | | **19.506** | **19508** | **18462G** | **110L** | **7.7** | **2.1** | **0.48** | **0.025** |
| **NO OF SAMPLES** | | | | | | | **30** | **29** | **19** | **10** | **18** | **18** | **30** | **30** |

| TEST-NAME: | | | | | NNTKUR | NNO2FR | NNO3FR | NNKI | RSP | RSF | COND25 | ALKT | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD |
| 80 01 02 1345 | | | .3 | 1 | | | 1.790 | | 18.0 | | 760.0 | | | |
| 80 01 08 1315 | | | .3 | 1 | | | 1.410 | | 11.0 | | 2400.0 | | | |
| 80 01 11 1415 | | | .3 | 1 | 2.750 | 0.104 | 0.506 | 3.360 | 517.00 | 495.00 | | 173.0 | 7.29 | 7.4 |
| 80 01 14 1130 | | | .3 | 1 | | | 1.210 | | 42.0 | | 520.0 | | | |
| 80 01 17 1100 | | | .3 | 1 | | | 1.210 | | 220.0 | | 680.0 | | | |
| 80 01 21 1030 | | | .3 | 1 | | | 1.280 | | 14.0 | | 740.0 | | | |
| 80 02 07 1550 | | | .3 | 1 | 0.810 | 0.039 | 1.410 | 2.259 | 3.00 | 591.00 | | 279.0 | 7.96 | |
| 80 02 14 1515 | | | .3 | 1 | 0.730 | 0.042 | 1.260 | 2.032 | 4.00 | 529.00 | | 261.0 | 8.05 | 7.6 |
| 80 03 06 1600 | | | .3 | 1 | 1.530 | 0.120 | 1.430 | 3.080 | 18.00 | 1327.00 | 2350.0 | 201 | 7.67 | |
| 80 03 14 1115 | | | .3 | 1 | 1.780 | 0.053 | 1.500 | 3.333 | 9.00 | 695.00 | | 166.0 | 7.91 | 7.6 |
| 80 03 21 1440 | | | .3 | 1 | 5.230 | 0.130 | 1.070 | 6.430 | 1719.00 | 288.00 | | 341.0 | 7.73 | 7.5 |
| 80 03 27 1600 | | | .3 | 1 | 0.255 | 0.055 | 1.640 | 1.950 | 143.00 | 337.00 | | 159.0 | 8.00 | 7.7 |
| 80 03 31 1330 | | | .3 | 1 | | | 1.360 | | 94.0 | | 690.0 | | | |
| 80 04 09 1500 | | | .3 | 1 | 2.480 | 0.042 | 1.310 | 3.832 | 980.00 | 391.00 | 580.0 | 272.0 | 8.15 | 7.9 |
| 80 04 14 1430 | | | .3 | 1 | | | 1.280 | | 72.0 | | 570.0 | | | |
| 80 04 17 1430 | | | .3 | 1 | 0.700 | 0.033 | 1.470 | 2.203 | 138.00 | 400.00 | 560.0 | 185.0 | 8.14 | 8.0 |
| 80 04 25 1222 | | | .3 | 1 | 0.690 | 0.031 | 0.709 | 1.430 | 20.00 | 463.00 | 680.0 | 210.0 | 8.30 | 8.2 |
| 80 04 28 1415 | | | .3 | 1 | 0.650 | 0.033 | 0.697 | 1.380 | 31.00 | 416.00 | 650.0 | 173.0 | 8.12 | |
| 80 05 06 1330 | | | .3 | 1 | 0.800 | 0.014 | 0.366 | 1.180 | 44.00 | 443.00 | 700.0 | 212.0 | 8.27 | 8.2 |
| 80 06 19 1440 | | | .3 | 1 | 0.920 | 0.031 | 0.349 | 1.300 | 33.00 | 436.00 | 650.0 | 189.0 | 8.10 | 8.0 |
| 80 07 04 1430 | | | .3 | 1 | 1.050 | 0.025 | 0.237 | 1.312 | 33.00 | 368.00 | | 160.0 | 8.32 | |
| 80 08 11 1230 | | | .3 | 1 | 0.880 | 0.190 | 0.136 | 1.206 | 20.00 | 376.00 | 600.0 | 167.0 | 8.10 | |
| 80 09 02 1415 | | | .3 | 1 | | | 0.653 | | 27.0 | | 500.0 | | | |
| 80 09 10 1300 | | | .3 | 1 | 0.85 | 0.022 | 0.308 | 1.180 | 31 | 347 | 600 | 168 | 8.09 | 8.4 |
| 80 10 02 1308 | | | .3 | 1 | 0.62 | 0.048 | 0.132 | 0.800 | 59 | 329 | 900 | 162 | 8.10 | 8.1 |
| 80 11 07 1330 | | | .3 | 1 | 0.400 | 0.014 | 0.206 | 0.620 | 6.00 | 395.00 | 650.0 | 207.0 | 8.24 | 8.1 |
| 80 11 20 1400 | | | .3 | 1 | | | 0.566 | | 11.0 | | 750.0 | | | |
| 80 11 26 | | | .3 | 1 | 0.480 | 0.020 | 0.355 | 0.855 | | | | 221.0 | 8.31 | |
| 80 12 05 1230 | | | .3 | 1 | 0.600 | 0.016 | 1.180 | 1.796 | 22.00 | 512.00 | 820.0 | 229.0 | 8.24 | 7.2 |
| 80 12 12 1400 | | | .3 | 1 | | | 1.360 | | 11.0 | | | | | |
| **MAXIMUM** | | | | | **5.230** | **0.190** | **1.790** | **6.430** | **1719.00** | **1327.00** | **2400.0** | **341.0** | **8.32** | **8.4** |
| **ARITH MEAN** | | | | | **1.21** | **0.063** | **0.946** | **2.077** | **150** | **480** | **826** | **206** | **8.05** | **7.8** |
| **GEOM MEAN** | | | | | **0.92** | **0.040** | **0.752** | **1.749** | **36** | **449** | **741** | **201** | **8.05** | **7.8** |
| **MINIMUM** | | | | | **0.255** | **0.014** | **0.132** | **0.620** | **3.00** | **288.00** | **500.0** | **159.0** | **7.29** | **7.2** |
| **STD DEV** | | | | | **1.15** | **0.047** | **0.519** | **1.379** | **360** | **227** | **524** | **48** | **0.25** | **0.4** |
| **NO OF SAMPLES** | | | | | **20** | **20** | **30** | **20** | **29** | **19** | **21** | **20** | **20** | **14** |

| TEST-NAME: | | | | | SOLEXT | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT | P1PCBT | X3PCPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SOLVENT EXTRACT. MG/L | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | PCB TOTAL UG/L | PENTACHL PHENOL UG/L |
| 80 01 02 1345 | | | .3 | 1 | | | 0.020< | | 0.010 | 0.030< | 0.005 < | | 0.020 | 0.080 |
| 80 01 08 1315 | | | .3 | 1 | | | 0.020< | | 0.010< | 0.030< | 0.005 < | | 0.020R | 0.090 |
| 80 01 11 1415 | | | .3 | 1 | | | 0.210 | | | | | | 0.220 | |
| 80 01 14 1130 | | | .3 | 1 | | | 0.020 | | 0.010 | 0.030< | 0.010 | | 0.040 | 0.067 |
| 80 01 17 1100 | | | .3 | 1 | | | 0.020< | | 0.010< | 0.030< | 0.005 < | | 0.020 | 0.130 |
| 80 01 21 1030 | | | .3 | 1 | | | 0.020< | | 0.010 | 0.030< | 0.005 < | | 0.070 | 0.050 |
| 80 02 07 1550 | | | .3 | 1 | | 0.001 | 0.020 | 0.020 | 0.010< | 0.030< | 0.005 < | 0.040 | 0.020R | |
| 80 02 14 1515 | | | .3 | 1 | | 0.001 | 0.020 | 0.030 | 0.010< | 0.030< | 0.005 < | 0.020 | 0.033 | |
| 80 03 06 1600 | | | .3 | 1 | | 0.001 | 0.050 | 0.020< | 0.010< | 0.040 | 0.005 < | 0.080 | 0.020R | |
| 80 03 14 1115 | | | .3 | 1 | | 0.001< | 0.020< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.020 | 0.020R | |
| 80 03 21 1440 | | | .3 | 1 | | 0.002 | 0.240 | 0.080 | 0.090 | 0.130 | 0.005 < | 0.340 | 0.075 | |
| 80 03 27 1600 | | | .3 | 1 | | 0.002 | 0.020 | 0.020< | 0.020 | 0.030< | 0.007 | 0.030 | 0.020R | |
| 80 03 31 1330 | | | .3 | 1 | | | 0.020< | | 0.010< | 0.010< | 0.005 < | | 0.020R | |

(CONTD)

| TEST-NAME: | | | SOLEXT | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT | P1PCBT | X3PCPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 04 09 1500 | .3 | 1 | | 0.002 | 0.050 | 0.030 | 0.040 | 0.030< | 0.005 < | 0.090 | 0.030 | |
| 80 04 14 1430 | .3 | 1 | | | 0.020< | | 0.010< | 0.030< | 0.005 < | | 0.050 | |
| 80 04 25 1222 | .3 | 1 | | 0.001< | 0.020< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.020 | 0.030 | |
| 80 04 28 1415 | .3 | 1 | | 0.002 | 0.020 | 0.020< | 0.010 | 0.030< | 0.005 < | 0.040 | 0.020R | |
| 80 05 06 1330 | .3 | 1 | | 0.002 | 0.030< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020R | |
| 80 06 19 1440 | .3 | 1 | | 0.001< | 0.030 | 0.030 | 0.010 | 0.030< | 0.005 < | 0.020 | 0.020R | |
| 80 07 04 1430 | .3 | 1 | | 0.001< | 0.070 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010 | 0.020R | |
| 80 08 11 1230 | .3 | 1 | 8.0 | 0.001< | 0.15 | | 0.003 | 0.010 | 0.0001 | 0.017 | 0.020R | |
| 80 09 02 1415 | .3 | 1 | | | 0.040< | | 0.005 | 0.030 | 0.0002< | | 0.020R | 0.050 |
| 80 09 10 1300 | .3 | 1 | | 0.001 | 0.04 < | 0.010 | 0.005 | 0.006 | 0.0002< | 0.013 | 0.020R | |
| 80 10 02 1308 | .3 | 1 | | 0.002 | 0.03 < | 0.026 | 0.011 | 0.004 | 0.0003 | 0.029 | 0.020R | |
| 80 11 07 1330 | .3 | 1 | | 0.001< | 0.330 | 0.005 | 0.007 | 0.003< | 0.0003 | 0.006 | 0.020R | |
| 80 11 20 1400 | .3 | 1 | | | 0.040< | | 0.005 | 0.010 | 0.0002< | | 0.020R | 0.050R |
| 80 11 26 | .3 | 1 | | 0.001< | 0.050 | 0.010 | 0.013 | 0.020 | 0.0002< | 0.049 | 0.020R | |
| 80 12 05 1230 | .3 | 1 | | 0.001< | 0.04 | 0.010 | 0.008 | 0.003 | 0.0002< | 0.011 | 0.020R | |
| 80 12 12 1400 | .3 | 1 | | | 0.040< | | 0.007 | 0.007 | 0.0002< | | 0.020 | 0.100 |
| MAXIMUM | | | 8.0 | 0.002 | 0.330 | 0.080 | 0.090 | 0.130 | 0.010 | 0.340 | | 0.130 |
| ARITH MEAN | | | 8.0 | 0.001L | 0.05 L | 0.023L | 0.013L | 0.027L | 0.003 L | 0.047L | | 0.077B |
| GEOM MEAN | | | | 0.001L | 0.03 L | 0.019L | 0.010L | 0.020L | 0.001 L | 0.026L | | 0.073B |
| MINIMUM | | | 8.0 | 0.001< | 0.020< | 0.005< | 0.003< | 0.003< | 0.0001< | 0.006< | | 0.050 |
| STD DEV | | | | 0.000L | 0.07 L | 0.018L | 0.016L | 0.023L | 0.002 L | 0.077L | | 0.029B |
| NO OF SAMPLES | | | 1 | 18 | 29 | 17 | 28 | 28 | 28 | 18 | | 8 |

| TEST-NAME: | | | | | P3245T |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | 2,4,5-T UG/L |
| 80 01 02 1345 | | | .3 | 1 | 0.050R |
| 80 01 08 1315 | | | .3 | 1 | 0.060 |
| 80 01 14 1130 | | | .3 | 1 | 0.050R |
| 80 01 17 1100 | | | .3 | 1 | 0.050R |
| 80 01 21 1030 | | | .3 | 1 | 0.050R |
| 80 09 02 1415 | | | .3 | 1 | 0.050R |
| 80 11 20 1400 | | | .3 | 1 | 0.050R |
| 80 12 12 1400 | | | .3 | 1 | 0.050 |
| MAXIMUM | | | | | 0.060 |
| ARITH MEAN | | | | | 0.051B |
| GEOM MEAN | | | | | 0.051B |
| MINIMUM | | | | | 0.050 |
| STD DEV | | | | | 0.004B |
| NO OF SAMPLES | | | | | 8 |

B.O.W / SITE: **HUMBER RIVER WEST**
SAMPLE POINT: **CLAIREVILLE DAM OUTLET CLAIREVILLE**
STATION TYPE: **RIVER FLOW GAUGE FED 02HC034**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **HUMBER RIVER**

STATION ID: **06-0083-002-02**
STORET CODE: **02**
**004**
**4080**

LAT. LONG. U T M: **17 0610550.0 4843275.0 4** REGION: **03** DISTANCE: **23.818**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 30 1425 | | | .3 | 1 | 27510 | 6 | 0.235 | 740 | 4200 | 10I | 10< | 1.0 | 10.8 | 0.060 |
| 80 03 19 1330 | | | .3 | 1 | 27526 | 6 | 5.550 | 31000C | 410000 | 880 | 3000> | 2.0 | 13.3 | 0.505 |
| 80 05 07 1345 | | | .3 | 1 | 27542 | 6 | 0.472 | 620 | 4000 | 10< | 20I | 15.0 | 8.4 | 0.098 |
| 80 06 17 1450 | | | .3 | 1 | 27558 | 5 | 0.165 | 400 | 380 | 20I | 20I | 22.0 | 9.7 | 0.056 |
| 80 08 08 1330 | | | .3 | 1 | 27574 | 6 | 0.096 | 400I | 17000 | 20I | 50I | 23.5 | 8.8 | 0.069 |
| 80 10 03 1420 | | | .3 | 1 | 27590 | 3 6 | 0.249 | 16000 | 52000 | 360 | 1400 | 14.0 | 7.8 | 0.082 |
| 80 11 04 1445 | | | .3 | 1 | 27606 | 5 | 0.292 | 30I | 650 | 10I | 10I | 6.5 | 11.0 | 0.068 |
| MAXIMUM | | | | | | | 5.550 | 31000 | 410000 | 880 | 3000> | 23.5 | 13.3 | 0.505 |
| ARITH MEAN | | | | | | | 1.008 | 7027 | 69747 | 187L | 644B | 12.0 | 10.0 | 0.134 |
| GEOM MEAN | | | | | | | 0.385 | 1013 | 7629 | 39L | 70B | 7.6 | 9.8 | 0.094 |
| MINIMUM | | | | | | | 0.096 | 30 | 380 | 10< | 10< | 1.0 | 7.8 | 0.056 |
| STD DEV | | | | | | | 2.008 | 12059 | 151148 | 332L | 1159B | 9.1 | 1.9 | 0.164 |
| NO OF SAMPLES | | | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| TEST-NAME: | | | | | NNHTFR | COND25 | PH | FWPH |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NH3-N TOTAL FIL.REAC MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | PH | PH FIELD |
| 80 01 30 1425 | | | .3 | 1 | 0.106 | 640.0 | 7.91 | 7.6 |
| 80 03 19 1330 | | | .3 | 1 | 1.780 | 320.0 | 7.40 | 6.8 |
| 80 05 07 1345 | | | .3 | 1 | 0.014 | 550.0 | 8.20 | 6.8 |
| 80 06 17 1450 | | | .3 | 1 | 0.048 | 600.0 | 8.41 | 7.3 |
| 80 08 08 1330 | | | .3 | 1 | 0.140 | 500.0 | 8.21 | 7.2 |
| 80 10 03 1420 | | | .3 | 1 | 0.096 | 490 | 7.94 | 6.4 |
| 80 11 04 1445 | | | .3 | 1 | 0.004 | 550.0 | 8.20 | 7.2 |
| MAXIMUM | | | | | 1.780 | 640.0 | 8.41 | 7.6 |
| ARITH MEAN | | | | | 0.313 | 521 | 8.04 | 7.0 |
| GEOM MEAN | | | | | 0.068 | 511 | 8.03 | 7.0 |
| MINIMUM | | | | | 0.004 | 320.0 | 7.40 | 6.4 |
| STD DEV | | | | | 0.649 | 103 | 0.33 | 0.4 |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 |

B.O.W./ SITE **HUMBER RIVER**
SAMPLE POINT **HIGHWAY 7 WOODBRIDGE**
STATION TYPE **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **HUMBER RIVER**

STATION ID **06-0083-003-02**
STORET CODE **02**
**004**
**4080**

LAT: LONG: U T M: **17 0613350.0 4848200.0 4** REGION **03** DISTANCE **28.714**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
| 80 01 30 1230 | | | .3 | 1 | 27506 | 6 | 1880 | 3400 | 260 | 600 | 0.5 | 11.4 | 1.4 | 0.044 |
| 80 03 19 1150 | | | .3 | 1 | 27522 | 4 | 18000 | 110000 | 720 | 3000> | 1.8 | 13.3 | 8.4 | 0.785 |
| 80 05 07 1200 | | | .3 | 1 | 27538 | 6 | 300I | 12000 | 40I | 100< | 14.2 | 9.4 | 1.0 | 0.032 |
| 80 06 17 1310 | | | .3 | 1 | 27554 | 6 | 900I | 18300 | 80I | 30I | 19.0 | 10.1 | 1.0 | 0.142 |
| 80 08 08 1145 | | | .3 | 1 | 27570 | 6 8 | 900I | 12900 | 50I | 20I | 21.8 | 9.8 | 0.6 | 0.037 |
| 80 10 03 1250 | | | .3 | 1 | 27586 | 6 | 2100 | 6700 | 140 | 140 | 13.0 | 9.3 | 1.2 | 0.030 |
| 80 11 04 1300 | | | .3 | 1 | 27602 | 5 | 940 | 4600 | 20I | 50I | 7.5 | 12.6 | 0.2 | 0.042 |
| **MAXIMUM** | | | | | | | **18000** | **110000** | **720** | **3000>** | **21.8** | **13.3** | **8.4** | **0.785** |
| **ARITH MEAN** | | | | | | | **3574** | **23986** | **187** | **563B** | **11.1** | **10.8** | **2.0** | **0.159** |
| **GEOM MEAN** | | | | | | | **1489** | **11842** | **98** | **134B** | **6.5** | **10.7** | **1.1** | **0.069** |
| **MINIMUM** | | | | | | | **300** | **3400** | **20** | **20<** | **0.5** | **9.3** | **0.2** | **0.030** |
| **STD DEV** | | | | | | | **6392** | **38288** | **249** | **1094B** | **8.2** | **1.6** | **2.9** | **0.279** |
| **NO OF SAMPLES** | | | | | | | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
| 80 01 30 1230 | | | .3 | 1 | 0.020 | 0.220 | 0.490 | 0.014 | 0.990 | 1.224 | 0.270 | 1.494 | 405.0 | 9.0 |
| 80 03 19 1150 | | | 3 | 1 | 0.070 | 0.770 | 5.350 | 0.057 | 1.740 | 2.567 | 4.580 | 7.147 | 417.0 | 167.0 |
| 80 05 07 1200 | | | .3 | 1 | 0.002 | 0.002< | 0.420 | 0.011 | 0.204 | 0.217 | 0.418 | 0.635 | 385.0 | 18.0 |
| 80 06 17 1310 | | | .3 | 1 | 0.084 | 0.082 | 0.550 | 0.023 | 0.242 | 0.347 | 0.468 | 0.815 | 379.0 | 33.0 |
| 80 08 08 1145 | | | 3 | 1 | 0.006 | 0.016 | 0.44 | 0.004 | 0.043 | 0.063 | 0.424 | 0.487 | 341 | 10 |
| 80 10 03 1250 | | | .3 | 1 | 0.015 | 0.058 | 0.38 | 0.002 | 0.033 | 0.093 | 0.322 | 0.415 | 308 | 181 |
| 80 11 04 1300 | | | .3 | 1 | 0.012 | 0.006 | 0.380 | 0.002 | 0.378 | 0.386 | 0.374 | 0.760 | 358.0 | 24.0 |
| **MAXIMUM** | | | | | **0.084** | **0.770** | **5.350** | **0.057** | **1.740** | **2.567** | **4.580** | **7.147** | **417.0** | **181** |
| **ARITH MEAN** | | | | | **0.030** | **0.165L** | **1.14** | **0.016** | **0.519** | **0.700** | **0.979** | **1.679** | **370** | **63** |
| **GEOM MEAN** | | | | | **0.016** | **0.040L** | **0.62** | **0.009** | **0.240** | **0.341** | **0.534** | **0.977** | **368** | **32** |
| **MINIMUM** | | | | | **0.002** | **0.002<** | **0.38** | **0.002** | **0.033** | **0.063** | **0.270** | **0.415** | **308** | **9.0** |
| **STD DEV** | | | | | **0.033** | **0.277L** | **1.85** | **0.020** | **0.629** | **0.912** | **1.589** | **2.437** | **37** | **76** |
| **NO OF SAMPLES** | | | | | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH |
| 80 01 30 1230 | | | .3 | 1 | 396.0 | 680.0 | 35.000 | 8.14 | 7.3 |
| 80 03 19 1150 | | | .3 | 1 | | 385.0 | 38.500 | 7.66 | 6.8 |
| 80 05 07 1200 | | | .3 | 1 | 367.0 | 550.0 | 32.000 | 8.24 | 7.3 |
| 80 06 17 1310 | | | .3 | 1 | 346.0 | 500.0 | 25.000 | 8.49 | 7.5 |
| 80 08 08 1145 | | | 3 | 1 | 331 | 500 | 29.5 | 8.40 | 7.5 |
| 80 10 03 1250 | | | .3 | 1 | 290 | 500 | 24.0 | 8.36 | 7.3 |
| 80 11 04 1300 | | | .3 | 1 | 334.0 | 550.0 | 28.000 | 8.36 | 7.6 |
| **MAXIMUM** | | | | | **396.0** | **680.0** | **38.500** | **8.49** | **7.6** |
| **ARITH MEAN** | | | | | **344** | **523** | **30.2** | **8.24** | **7.3** |
| **GEOM MEAN** | | | | | **342** | **517** | **29.9** | **8.23** | **7.3** |
| **MINIMUM** | | | | | **290** | **385.0** | **24.0** | **7.66** | **6.8** |
| **STD DEV** | | | | | **35** | **88** | **5.2** | **0.28** | **0.3** |
| **NO OF SAMPLES** | | | | | **6** | **7** | **7** | **7** | **7** |

B.O.W./ SITE **HUMBER RIVER EAST**
SAMPLE POINT **AT BRIDGE PINE GROVE ROAD**
STATION TYPE **RIVER FLOW GAUGE FED 02HC009**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN **LAKE ONTARIO**
TERM STREAM: **HUMBER RIVER**

STATION ID **06-0083-004-02**
STORET CODE **02**
**004**
**4080**

LAT: LONG: U T M: **17 0614150.0 4850225.0 4** REGION: **03** DISTANCE **28.163**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT |
| 80 01 30 1245 | | | 3 | 1 | 27507 | 6 | 0.370 | 200 | 860 | 10< | 10< | 0.5 | 11.5 | 0.024 |
| 80 03 19 1200 | | | .3 | 1 | 27523 | 6 | 6.430 | 11000 | 100000 | 620 | 3000> | 2.0 | 13.1 | 0.380 |
| 80 05 07 1230 | | | .3 | 1 | 27539 | 6 | 1.910 | 100I | 8500 | 40I | 100< | 13.5 | 9.0 | 0.032 |
| 80 06 17 1330 | | | 3 | 1 | 27555 | 5 | 0.406 | 200I | 8800 | 80I | 10< | 18.0 | 9.4 | 0.020 |
| 80 08 08 1200 | | | 3 | 1 | 27571 | 5 8 | 0.441 | 700I | 5800 | 60I | 30I | 20.5 | 9.2 | 0.026 |
| 80 10 03 1300 | | | .3 | 1 | 27587 | 5 | 0.444 | 320 | 3100 | 20I | 80I | 13.2 | 8.7 | 0.010 |
| 80 11 04 1315 | | | 3 | 1 | 27603 | 5 | 0.468 | 100< | 200000 | 60I | 160I | 8.0 | 11.0 | 0.035 |
| **MAXIMUM** | | | | | | | **6.430** | **11000** | **200000** | **620** | **3000>** | **20.5** | **13.1** | **0.380** |
| **ARITH MEAN** | | | | | | | **1.496** | **1803L** | **46723** | **127L** | **484B** | **10.8** | **10.3** | **0.075** |
| **GEOM MEAN** | | | | | | | **0.776** | **372L** | **11273** | **56L** | **73B** | **6.6** | **10.2** | **0.034** |
| **MINIMUM** | | | | | | | **0.370** | **100<** | **860** | **10<** | **10<** | **0.5** | **8.7** | **0.010** |
| **STD DEV** | | | | | | | **2.246** | **4061L** | **76281** | **219L** | **1111B** | **7.6** | **1.6** | **0.135** |
| **NO OF SAMPLES** | | | | | | | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** |

(CONTD)

| TEST-NAME: | | | | | PPO4FR | NNHTFR | COND25 | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | PH | PH FIELD |
| 80 01 30 1245 | | | .3 | 1 | | 0.042 | 720.0 | 8.09 | 7.9 |
| 80 03 19 1200 | | | .3 | 1 | | 0.980 | 380.0 | 7.14 | 6.8 |
| 80 05 07 1230 | | | .3 | 1 | | 0.002 | 600.0 | 8.30 | 7.5 |
| 80 06 17 1330 | | | .3 | 1 | | 0.014 | 600.0 | 8.21 | 7.0 |
| 80 08 08 1200 | | | .3 | 1 | | 0.016 | 600.0 | 8.27 | 7.3 |
| 80 10 03 1300 | | | .3 | 1 | 0.034 | | 600 | 8.11 | 7.3 |
| 80 11 04 1315 | | | .3 | 1 | 0.002 | 0.004 | 680.0 | 8.18 | 7.2 |
| MAXIMUM | | | | | 0.034 | 0.980 | 720.0 | 8.30 | 7.9 |
| ARITH MEAN | | | | | 0.018 | 0.178 | 597 | 8.04 | 7.3 |
| GEOM MEAN | | | | | 0.008 | 0.020 | 587 | 8.03 | 7.3 |
| MINIMUM | | | | | 0.002 | 0.002 | 380.0 | 7.14 | 6.8 |
| STD DEV | | | | | 0.023 | 0.394 | 107 | 0.41 | 0.4 |
| NO OF SAMPLES | | | | | 2 | 6 | 7 | 7 | 7 |

B.O.W./ SITE: **HUMBER RIVER**
SAMPLE POINT: **YORK PEEL COUNTY LINE BOLTON**
STATION TYPE: **RIVER FLOW GAUGE FED 02HC025**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **HUMBER RIVER**

STATION ID: **06-0083-005-02**
STORET CODE: **02**
**004**
**4080**

LAT
LONG:
U T M: **17 0603010.0 4859850.0 4**
REGION: **03**
DISTANCE: **52.463**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM MG/L AS O |
| 80 01 30 1310 | | | .3 | 1 | 27508 | 6 | 1.040 | 101000 | 140000 | 20I | 1200 | 0.5 | 11.2 | 1.6 |
| 80 03 19 1230 | | | .3 | 1 | 27524 | 6 | 9.600 | 3000I | 100000 | 200 | 3400 | 2.0 | 12.6 | 6.4 |
| 80 05 07 1245 | | | .3 | 1 | 27540 | 6 | 2.410 | 200I | 14000 | 20< | 100< | 13.5 | 9.1 | 0.8 |
| 80 06 17 1350 | | | .3 | 1 | 27556 | 6 | 1.550 | 51000 | 150000 | 260 | 330 | 19.0 | 10.2 | 0.8 |
| 80 08 08 1225 | | | .3 | 1 | 27572 | 8 | 1.050 | 5000I | 23000 | 320 | 400I | 20.1 | 9.0 | 0.6 |
| 80 10 03 1320 | | | .3 | 1 | 27588 | 5 | 2.140 | 2000 | 20500 | 90I | 160I | 17.5 | 8.6 | 0.6 |
| 80 11 04 1350 | | | .3 | 1 | 27604 | 5 | 1.990 | 2100 | | 60I | | 7.0 | 11.0 | 0.2< |
| MAXIMUM | | | | | | | 9.600 | 101000 | 150000 | 320 | 3400 | 20.1 | 12.6 | 6.4 |
| ARITH MEAN | | | | | | | 2.826 | 23471 | 74583 | 139L | 932L | 11.4 | 10.2 | 1.6L |
| GEOM MEAN | | | | | | | 2.077 | 4869 | 49012 | 86L | 453L | 6.7 | 10.2 | 0.9L |
| MINIMUM | | | | | | | 1.040 | 200 | 14000 | 20< | 100< | 0.5 | 8.6 | 0.2< |
| STD DEV | | | | | | | 3.033 | 38704 | 63038 | 121L | 1273L | 8.2 | 1.4 | 2.2L |
| NO OF SAMPLES | | | | | | | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 30 1310 | | | .3 | 1 | 0.144 | 0.071 | 0.370 | 0.850 | 0.009 | 1.290 | 1.669 | 0.480 | 2.149 | 372.0 |
| 80 03 19 1230 | | | .3 | 1 | 0.195 | 0.044 | 0.440 | 2.350 | 0.035 | 1.660 | 2.135 | 1.910 | 4.045 | 377.0 |
| 80 05 07 1245 | | | .3 | 1 | 0.050 | 0.010 | 0.038 | 0.470 | 0.015 | 5.990 | 6.043 | 0.432 | 6.475 | 324.0 |
| 80 06 17 1350 | | | .3 | 1 | 0.065 | 0.017 | 0.030 | 0.530 | 0.025 | 0.720 | 0.775 | 0.500 | 1.275 | 347.0 |
| 80 08 08 1225 | | | .3 | 1 | 0.093 | 0.049 | 0.020 | 0.550 | 0.008 | 0.725 | 0.753 | 0.530 | 1.283 | 343.0 |
| 80 10 03 1320 | | | .3 | 1 | 0.146 | 0.027 | 0.034 | 0.55 | 0.012 | 0.593 | 0.639 | 0.516 | 1.155 | 309 |
| 80 11 04 1350 | | | .3 | 1 | 0.040 | | 0.206 | 0.350 | 0.012 | 0.193 | 0.411 | 0.144 | 0.555 | 387.0 |
| MAXIMUM | | | | | 0.195 | 0.071 | 0.440 | 2.350 | 0.035 | 5.990 | 6.043 | 1.910 | 6.475 | 387.0 |
| ARITH MEAN | | | | | 0.105 | 0.036 | 0.183 | 0.80 | 0.017 | 1.596 | 1.775 | 0.645 | 2.420 | 351 |
| GEOM MEAN | | | | | 0.090 | 0.030 | 0.082 | 0.65 | 0.015 | 0.963 | 1.186 | 0.500 | 1.791 | 350 |
| MINIMUM | | | | | 0.040 | 0.010 | 0.020 | 0.350 | 0.008 | 0.193 | 0.411 | 0.144 | 0.555 | 309 |
| STD DEV | | | | | 0.058 | 0.023 | 0.179 | 0.69 | 0.010 | 1.996 | 1.981 | 0.574 | 2.115 | 28 |
| NO OF SAMPLES | | | | | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | CLIDUR | PH | FWPH | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 01 30 1310 | | | .3 | 1 | 22.0 | 350.0 | 600.0 | 27.500 | 8.13 | 7.5 | | | | |
| 80 03 19 1230 | | | .3 | 1 | 127.0 | 250.000 | 385.0 | 31.000 | 7.83 | 6.7 | | | | |
| 80 05 07 1245 | | | .3 | 1 | 9.0 | 315.0 | 500.0 | 26.000 | 8.41 | 7.3 | | | | |
| 80 06 17 1350 | | | .3 | 1 | 23.0 | 324.0 | 475.0 | 23.500 | 8.42 | 7.5 | | | | |
| 80 08 08 1225 | | | .3 | 1 | 16.0 | 327.000 | 500.0 | 27.000 | 8.31 | 7.0 | | | | |
| 80 10 03 1320 | | | .3 | 1 | 14 | 295 | 500 | 22.5 | 8.26 | 7.1 | | | | |
| 80 11 04 1350 | | | .3 | 1 | 78.0 | 309.0 | 510.0 | | 8.31 | 7.0 | 0.0005< | 0.003< | 0.0002< | 0.007 |
| MAXIMUM | | | | | 127.0 | 350.0 | 600.0 | 31.000 | 8.42 | 7.5 | 0.0005 | 0.003 | 0.0002 | 0.007 |
| ARITH MEAN | | | | | 41 | 310 | 495 | 26.2 | 8.24 | 7.2 | 0.0005L | 0.003L | 0.0002L | 0.007 |
| GEOM MEAN | | | | | 26 | 308 | 492 | 26.1 | 8.24 | 7.2 | | | | |
| MINIMUM | | | | | 9.0 | 250.000 | 385.0 | 22.5 | 7.83 | 6.7 | 0.0005< | 0.003< | 0.0002< | 0.007 |
| STD DEV | | | | | 44 | 31 | 63 | 3.0 | 0.20 | 0.3 | | | | |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 6 | 7 | 7 | 1 | 1 | 1 | 1 |

(CONTD)

B.O.W./ SITE: **HUMBER RIVER**
SAMPLE POINT: **YORK PEEL COUNTY LINE BOLTON**
STATION TYPE: **RIVER FLOW GAUGE FED 02HC025**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **HUMBER RIVER**

STATION ID: **06-0083-005-02**
STORET CODE: **02**
**004**
**4080**

LAT: LONG: U T M: **17 0603010.0 4859850.0 4** REGION: **03** DISTANCE **52.463**

| TEST-NAME: | | | | | NIUT |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NICKEL UNF.TOT. MG/L AS NI |
| 80 11 04 1350 | | | .3 | 1 | 0 003< |
| MAXIMUM | | | | | **0.003** |
| ARITH MEAN | | | | | **0.003L** |
| GEOM MEAN | | | | | |
| MINIMUM | | | | | **0.003<** |
| STD DEV | | | | | |
| NO OF SAMPLES | | | | | **1** |

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B.O.W./ SITE: **BLACK CREEK**
SAMPLE POINT: **AT SCARLETT ROAD TORONTO**
STATION TYPE: **RIVER FLOW GAUGE FED 02HC027**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **HUMBER RIVER**

STATION ID: **06-0083-012-02**
STORET CODE: **02**
**004**
**4080**

LAT: LONG: U T M: **17 0620450.0 4836650.0 4** REGION: **03** DISTANCE **8.207**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM MG/L AS O |
| 80 01 30 1550 | | | 3 | 1 | 27514 | 6 | 0 239 | 60000 | 240000 | 4000I | 9000I | 2 0 | 9 9 | 6 4 |
| 80 03 19 1500 | | | .3 | 1 | 27530 | 6 | 1 140 | 17000 | 140000 | 5800 | 6200 | 9 5 | 10 8 | 8 0 |
| 80 05 07 1505 | | | .3 | 1 | 27546 | 6 | 0 546 | 56000C | 380000 | 1500 | 1400 | 15 0 | 9 3 | 5 8 |
| 80 06 17 1605 | | | .3 | 1 | 27562 | 6 | 0 285 | 46000C | 390000 | 8000 | 1800 | 22 2 | 9 8 | 2 8 |
| 80 08 08 1445 | | | .3 | 1 | 27578 | 6 | 0 614 | 1900000 | 4500000 | 3800 | 3300 | 23.5 | 8 0 | 2 6 |
| 80 10 03 1540 | | | .3 | 1 | 27594 | 3 9 | 2 670 | 2900000 | 8900000 | 74000 | 57000 | 13 0 | 8 0 | 16 |
| 80 11 04 1600 | | | 3 | 1 | 27610 | 5 | 0 417 | 190000 | 290000 | 58000 | 11000 | 11 0 | 8 8 | 4 4 |
| MAXIMUM | | | | | | | **2.670** | **2900000** | **8900000** | **74000** | **57000** | **23.5** | **10.8** | **16** |
| ARITH MEAN | | | | | | | **0.844** | **738428** | **2120000** | **22157** | **12814** | **13.7** | **9.2** | **6** |
| GEOM MEAN | | | | | | | **0.603** | **160559** | **665533** | **8933** | **6033** | **11.1** | **9.2** | **5** |
| MINIMUM | | | | | | | **0.239** | **17000** | **140000** | **1500** | **1400** | **2.0** | **8.0** | **2.6** |
| STD DEV | | | | | | | **0.859** | **1172483** | **3377795** | **30369** | **19816** | **7.4** | **1.0** | **4** |
| NO OF SAMPLES | | | | | | | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 30 1550 | | | .3 | 1 | 0.418 | 0.140 | 2 100 | 3.430 | 0 145 | 1.750 | 3.995 | 1 330 | 5 325 | 1125 0 |
| 80 03 19 1500 | | | .3 | 1 | 0.750 | 0.095 | 0 920 | 3.300 | 0 155 | 1.350 | 2 425 | 2.380 | 4 805 | 1222 0 |
| 80 05 07 1505 | | | .3 | 1 | 0.172 | 0.020 | 0.610 | 2.050 | 0 175 | 5 130 | 5.915 | 1 440 | 7 355 | 887 0 |
| 80 06 17 1605 | | | .3 | 1 | 0 203 | 0.073 | 0.850 | 1 980 | 0.170 | 1 580 | 2 600 | 1 130 | 3 730 | 1019 0 |
| 80 08 08 1445 | | | .3 | 1 | 0.425 | 0.150 | 0.780 | 2.500 | 0.315 | 1.630 | 2 725 | 1.720 | 4 445 | 782 0 |
| 80 10 03 1540 | | | .3 | 1 | 1.82 | 0.099 | 0.39 | 4.50 | 0.056 | 0.109 | 0 555 | 4 110 | 4 665 | 1501 |
| 80 11 04 1600 | | | .3 | 1 | 0 162 | 0.085 | 0 470 | 1.100 | 0 295 | 0.750 | 1.515 | 0.630 | 2 145 | 638 0 |
| MAXIMUM | | | | | **1.82** | **0.150** | **2.100** | **4.50** | **0.315** | **5.130** | **5.915** | **4.110** | **7.355** | **1501** |
| ARITH MEAN | | | | | **0.56** | **0.095** | **0.87** | **2.69** | **0.187** | **1.757** | **2.819** | **1.820** | **4.639** | **1024** |
| GEOM MEAN | | | | | **0.39** | **0.082** | **0.75** | **2.47** | **0.166** | **1.143** | **2.301** | **1.564** | **4.386** | **989** |
| MINIMUM | | | | | **0.162** | **0.020** | **0.39** | **1.100** | **0.056** | **0.109** | **0.555** | **0.630** | **2.145** | **638.0** |
| STD DEV | | | | | **0.59** | **0.043** | **0.57** | **1.13** | **0.090** | **1.598** | **1.732** | **1.143** | **1.579** | **289** |
| NO OF SAMPLES | | | | | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** |

| TEST-NAME: | | | | | RSP | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 30 1550 | | | 3 | 1 | 15 0 | 1110 0 | 1850 0 | 388 000 | 8 06 | 7 6 |
| 80 03 19 1500 | | | 3 | 1 | 228 0 | 994 0 | 1700 0 | 409 000 | 7 53 | 7 3 |
| 80 05 07 1505 | | | .3 | 1 | 17 0 | 870 0 | 1300 0 | 240 000 | 7 82 | 7 3 |
| 80 06 17 1605 | | | .3 | 1 | 8 0 | 1011 0 | 1550 0 | 315 000 | 8 24 | 6 9 |
| 80 08 08 1445 | | | .3 | 1 | 37.0 | 745 000 | 1250 0 | 255 000 | 7 72 | 6 9 |
| 80 10 03 1540 | | | 3 | 1 | 1312 | 189 | 290 | 24 0 | 7 41 | 7 1 |
| 80 11 04 1600 | | | .3 | 1 | 10 0 | 628 0 | 1080 0 | 195 000 | 7 70 | 6 9 |
| MAXIMUM | | | | | **1312** | **1110.0** | **1850.0** | **409.000** | **8.24** | **7.6** |
| ARITH MEAN | | | | | **232** | **792** | **1288** | **260.8** | **7.78** | **7.1** |
| GEOM MEAN | | | | | **41** | **704** | **1138** | **203.2** | **7.78** | **7.1** |
| MINIMUM | | | | | **8.0** | **189** | **290** | **24.0** | **7.41** | **6.9** |
| STD DEV | | | | | **482** | **313** | **515** | **130.3** | **0.29** | **0.3** |
| NO OF SAMPLES | | | | | **7** | **7** | **7** | **7** | **7** | **7** |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

|  |  |  |
|---|---|---|
| B O W / SITE: **HUMBER RIVER**<br>SAMPLE POINT: **ALBION HILL CONSERVATION AREA**<br>STATION TYPE: **RIVER FLOW GAUGE FED 02HC012** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE ONTARIO**<br>TERM STREAM: **HUMBER RIVER** | STATION ID: **06-0083-018-02**<br>STORET CODE: **02**<br>**004**<br>**4080** |
| LAT: LONG: | U T M. **17 0596075.0 4864100.0 4** | REGION: **03** DISTANCE: **71.292** |

| TEST-NAME: |  |  |  |  | SAMPLE | FWSTRC | FWFLOW | TCMF | FCMF | FWTEMP | DO | PPUT | NNHTFR | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | FECAL COLIFORM MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | RESIDUE PARTIC. MG/L |
| 80 01 17 0910 |  |  | .3 | 1 | 22062 | 6 | 1 530 | 1300 | 20I | 1.0 | 12.6 | 0.380 | 0.052 | 12.0 |
| 80 02 21 0915 |  |  | .3 | 1 | 22134 | 4 | 0 730 | 400I | 10I | 0.0 | 12.0 | 0.019 | 0.062 | 3.00 |
| 80 03 20 0900 |  |  | .3 | 1 | 22181 | 6 | 12.200 |  |  | 1.0 | 12.6 | 0 310 | 0 316 | 65.00 |
| 80 04 17 1000 |  |  | .3 | 1 | 22234 | 6 | 2 810 | 360 | 10I | 2.5 | 11.6 | 0.076 | 0.030 | 48.00 |
| 80 05 26 1130 |  |  | .3 | 1 | 22283 | 6 | 1.050 | 160> | 44 | 16.0 | 10.4 |  |  |  |
| 80 06 26 1630 |  |  | .3 | 1 | 22333 | 6 | 1.530 | 500 | 76 | 25.8 | 6.9 | 0.037 | 0.054 | 6.00 |
| 80 07 21 1030 |  |  | .3 | 1 | 22342 | 6 | 2.560 | 2900C | 580 | 23.0 | 7.2 | 0.038 | 0.052 | 28 |
| 80 08 15 1600 |  |  | .3 | 1 | 22441 | 6 | 0.920 | 100 | 10< | 21.9 | 10.7 | 0.021 | 0.016 | 4 00 |
| 80 09 26 1500 |  |  | .3 | 1 | 22491 | 6 | 0.953 | 200C | 30I | 10.8 | 11.8 | 0.019 | 0.042 | 2 |
| 80 10 28 1500 |  |  | .3 | 1 | 22541 | 6 | 1 550 | 520 | 20I | 4 3 | 10.8 |  |  |  |
| 80 11 28 1415 |  |  | .3 | 1 | 22589 | 6 | 1.030 | 710 | 10< | 1.0 | 9.4 | 0.011 | 0.006 | 3.00 |
| 80 12 15 1630 |  |  | .3 | 1 | 22590 | 8 | 0.860 | 590C | 10< |  |  | 0.016 | 0.050 | 3.00 |
| **MAXIMUM** |  |  |  |  |  |  | **12.200** | **2900>** | **580** | **25.8** | **12.6** | **0.380** | **0.316** | **65.00** |
| **ARITH MEAN** |  |  |  |  |  |  | **2.310** | **704G** | **75L** | **9.8** | **10.5** | **0.093** | **0.068** | **17** |
| **GEOM MEAN** |  |  |  |  |  |  | **1.548** | **459G** | **25L** | **4.7** | **10.4** | **0.042** | **0.042** | **8** |
| **MINIMUM** |  |  |  |  |  |  | **0.730** | **100** | **10<** | **0.0** | **6.9** | **0.011** | **0.006** | **2** |
| **STD DEV** |  |  |  |  |  |  | **3.184** | **799G** | **169L** | **10.1** | **2.0** | **0.135** | **0.089** | **22** |
| **NO OF SAMPLES** |  |  |  |  |  |  | **12** | **11** | **11** | **11** | **11** | **10** | **10** | **10** |

| TEST-NAME: |  |  |  |  | COND25 | TURB | ALKT | PH | FWPH | PHNOL | FEUT | ASUT | HGUT | ALUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT UG/I AS HG | ALUMINUM UNF.TOT. MG/L AS AL |
| 80 01 17 0910 |  |  | .3 | 1 | 480 0 | 6 60 |  | 7 97 | 7 3 |  |  |  |  |  |
| 80 02 21 0915 |  |  | .3 | 1 | 52 5 | 2.20 | 218 | 7 92 | 7 2 | 1 000< |  | 0 002 |  |  |
| 80 03 20 0900 |  |  | .3 | 1 | 310.0 | 27 00 | 111 0 | 7.80 |  |  | 2.600 | 0 002 | 0.020< |  |
| 80 04 17 1000 |  |  | .3 | 1 | 400 0 | 7.00 | 166.0 | 8.18 | 7 5 | 1.000< | 1.700 | 0 002< |  |  |
| 80 05 26 1130 |  |  | .3 | 1 |  |  |  |  | 7.7 |  |  | 0.001< |  |  |
| 80 06 26 1630 |  |  | .3 | 1 | 440 0 | 2.50 | 194 0 | 8.49 | 7.9 | 1 000 | 0 280 | 0.001< |  |  |
| 80 07 21 1030 |  |  | .3 | 1 | 450 | 6 7 | 188 | 8 18 |  | 1 < | 1.2 | 0.001< |  |  |
| 80 08 15 1600 |  |  | .3 | 1 | 460.0 | 1 60 | 183.0 | 8 56 | 8.0 | 1.000< | 0.260 | 0 001 |  |  |
| 80 09 26 1500 |  |  | .3 | 1 | 480 | 0 94 | 0.209 | 8 18 |  |  | 0 16 | 0.001< |  |  |
| 80 10 28 1500 |  |  | .3 | 1 |  |  |  |  | 8 0 |  |  |  |  |  |
| 80 11 28 1415 |  |  | .3 | 1 | 520 0 | 1 70 | 220 0 | 8 31 | 7.7 | 1 000< | 0 210 | 0 001< |  |  |
| 80 12 15 1630 |  |  | .3 | 1 | 520 0 | 1 80 | 222 0 | 8 15 |  | 1.000< | 0.200 | 0 001< |  | 0 079 |
| **MAXIMUM** |  |  |  |  | **520.0** | **27.00** | **222.0** | **8.56** | **8.0** | **1.000** | **2.600** | **0.002** | **0.020** | **0.079** |
| **ARITH MEAN** |  |  |  |  | **411** | **6.8** | **166** | **8.17** | **7.7** | **1 L** | **0.8** | **0.001L** | **0.020L** | **0.079** |
| **GEOM MEAN** |  |  |  |  | **360** | **3.4** | **86** | **8.17** | **7.7** | **1 L** | **0.4** | **0.001L** |  |  |
| **MINIMUM** |  |  |  |  | **52.5** | **0.94** | **0.209** | **7.80** | **7.2** | **1.000<** | **0.18** | **0.001<** | **0.020<** | **0.079** |
| **STD DEV** |  |  |  |  | **140** | **7.8** | **71** | **0.24** | **0.3** | **0 L** | **0.9** | **0.000L** |  |  |
| **NO OF SAMPLES** |  |  |  |  | **10** | **10** | **9** | **10** | **8** | **7** | **8** | **10** | **1** | **1** |

| TEST-NAME: |  |  |  |  | CRUT | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT | CCNAUR | P1PCBT | X3PCPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN | PCB TOTAL UG/L | PENTACHL PHENOL UG/L |
| 80 02 21 0915 |  |  | .3 | 1 | 0 020< | 0 010< | 0 030< | 0 005 < | 0 010< | 0 020< |  |  | 0 020R |  |
| 80 03 20 0900 |  |  | .3 | 1 |  | 0 010< | 0 030< | 0 005 < | 0.010< | 0 020< |  |  | 0 020R |  |
| 80 04 17 1000 |  |  | .3 | 1 | 0 020< | 0 010< | 0.030< | 0.005 < | 0.010< | 0 020< |  | 0.010< | 0.020R |  |
| 80 05 26 1130 |  |  | .3 | 1 | 0 020< | 0 010< | 0 030< | 0.005 < | 0.010< | 0 020< |  | 0 010< | 0 020R |  |
| 80 06 26 1630 |  |  | .3 | 1 | 0 020< | 0 010< | 0 030< | 0 005 < | 0 010< | 0 020< |  | 0.010< | 0.020R |  |
| 80 07 21 1030 |  |  | .3 | 1 | 0 050 | 0 010 | 0.030< | 0.005 < | 0.010< | 0.020< |  | 0 010< * |  |  |
| 80 08 15 1600 |  |  | .3 | 1 | 0.002< | 0.001 | 0 003< | 0.0002< | 0 001< | 0 002< |  | 0.01 < | 0 020R |  |
| 80 09 26 1500 |  |  | .3 | 1 | 0.002< | 0 002 | 0.003< | 0.0002< | 0 001< | 0 002< |  | 0 01 < | 0 020R |  |
| 80 10 28 1500 |  |  | .3 | 1 |  |  |  |  |  |  |  |  | 0 020R |  |
| 80 11 28 1415 |  |  | .3 | 1 |  | 0.009 | 0.003< | 0.0002< | 0.002 | 0.002 |  | 0.010< | 0 020R | 0.280 |
| 80 12 15 1630 |  |  | .3 | 1 | 0 002< | 0.004 | 0.003< | 0.0002< | 0 002 | 0 002< | 0 002< | 0 010< | 0.020R |  |
| **MAXIMUM** |  |  |  |  | **0.050** | **0.010** | **0.030** | **0.005** | **0.010** | **0.020** | **0.002** | **0.010** |  | **0.280** |
| **ARITH MEAN** |  |  |  |  | **0.017L** | **0.008L** | **0.019L** | **0.003 L** | **0.007L** | **0.013L** | **0.002L** | **0.01 L** |  | **0.280** |
| **GEOM MEAN** |  |  |  |  | **0.009L** | **0.006L** | **0.012L** | **0.001 L** | **0.005L** | **0.008L** |  | **0.01 L** |  |  |
| **MINIMUM** |  |  |  |  | **0.002<** | **0.001<** | **0.003<** | **0.0002<** | **0.001<** | **0.002<** | **0.002<** | **0.010<** |  | **0.280** |
| **STD DEV** |  |  |  |  | **0.016L** | **0.004L** | **0.014L** | **0.002 L** | **0.004L** | **0.009L** |  | **0.00 L** |  |  |
| **NO OF SAMPLES** |  |  |  |  | **8** | **10** | **10** | **10** | **10** | **10** | **1** | **8** |  | **1** |

| TEST-NAME: |  |  |  |  | P3245T |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | 2,4,5-T UG/L |
| 80 08 15 1600 |  |  | .3 | 1 | 0 050R |
| 80 09 26 1500 |  |  | .3 | 1 | 0 050R |
| 80 10 28 1500 |  |  | .3 | 1 | 0 050R |
| 80 11 28 1415 |  |  | .3 | 1 | 0 050R |
| **MAXIMUM** |  |  |  |  | **0.050** |
| **ARITH MEAN** |  |  |  |  | **0.050R** |
| **GEOM MEAN** |  |  |  |  | **0.050R** |
| **MINIMUM** |  |  |  |  | **0.050** |
| **STD DEV** |  |  |  |  | **0.000R** |
| **NO OF SAMPLES** |  |  |  |  | **4** |

B.O.W./ SITE: **HUMBER RIVER**
SAMPLE POINT: **AT OLD MILL ROAD**
STATION TYPE: **RIVER FLOW GAUGE FED 02HC003**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **HUMBER RIVER**

STATION ID: **06-0083-019-02**
STORET CODE: **02**
**004**
**4080**

LAT: LONG. U.T.M: **17 0621650.0 4834050.0 4** REGION: **03** DISTANCE: **5.633**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TEST-NAME: SAMPLE<br>SAMPLE NUMBER | FWFLOW<br>STREAM FLOW M3 /S | TCMF<br>COLIFORM TOTAL MF CNT /100ML | TCMFBK<br>COLIFORM TOTAL MF BCKGRD CNT /100ML | FCMF<br>FECAL COLIFORM MF CNT /100ML | FSMF<br>FECAL STREPCUS MF CNT /100ML | PSAMF<br>PSEUDOMN AERUG. MF CNT /100ML | PPUT<br>PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR<br>PO4 FIL.REAC MG/L AS P | NNO3FR<br>NO3-N FIL.REAC MG/L AS N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 23 1100 | | | .3 | 1 | 37905 | 2.750 | | | 1700 | | 8C | 0.083 | 0.030 | 1.220 |
| 80 01 29 1330 | | | .3 | 1 | 37906 | 1.800 | | | 1100 | | 76 | 0.072 | 0.029 | 1.300 |
| 80 02 01 1030 | | | .3 | 1 | 37907 | 1.420 | | | 970 | | 20C | 0.062 | 0.033 | 1.400 |
| 80 02 05 1030 | | | .3 | 1 | 37908 | 1.310 | | | 4800 | | 108 | 0.089 | 0.032 | 1.400 |
| 80 02 07 1045 | | | .3 | 1 | 37909 | 1.320 | | | 3100 | | 4 | 0.069 | 0.023 | 1.330 |
| 80 02 14 1000 | | | .3 | 1 | 37910 | 1.370 | | | 1600 | | 16C | 0.084 | | |
| 80 02 25 1030 | | | .3 | 1 | 37911 | 1.850 | | | 2100 | | 36 | 0.155 | | |
| 80 03 03 1030 | | | .3 | 1 | 37912 | 1.170 | | | 4600 | | 12 | 0.062 | | |
| 80 03 17 1230 | | | .3 | 1 | 37913 | 17.000 | | | 590 | | 20 | 0.063 | 0.019 | 1.410 |
| 80 03 18 1145 | | | .3 | 1 | 37914 | 38.000 | | | | | | 1.080 | 0.120 | 2.340 |
| 80 03 25 1030 | | | .3 | 1 | 37915 | 24.700 | | | 1000 | | 10I | 0.325 | 0.059 | 1.890 |
| 80 03 27 1230 | | | .3 | 1 | 37916 | 15.700 | | | 400I | | 20< | 0.310 | 0.050 | 1.690 |
| 80 04 08 1345 | | | .3 | 1 | 37918 | 9.340 | | | 130 | | 20C | 0.105 | 0.014 | 1.130 |
| 80 04 11 1430 | | | .3 | 1 | 37919 | 22.100 | | | 140I | | 4 | 0.245 | 0.027 | 1.370 |
| 80 04 23 1330 | | | .3 | 1 | 37921 | 6.010 | | | 120 | | 4< | 0.070 | 0.062 | 0.752 |
| 80 04 29 1530 | | | .3 | 1 | 37922 | 27.900 | | | 4200 | | 140 | 0.120 | 0.014 | 1.060 |
| 80 05 05 1515 | | | .3 | 1 | 37923 | 6.720 | | | 160I | | 4 | 0.034 | 0.005 | 0.314 |
| 80 05 12 1530 | | | .3 | 1 | 37924 | 3.460 | | | 20< | | 4< | 0.022 | 0.001 | 0.362 |
| 80 05 20 1530 | | | .3 | 1 | 37925 | 5.800 | | | 80I | | 4 | 0.029 | 0.002 | 0.117 |
| 80 06 11 1200 | | | .3 | 1 | 37926 | 2.610 | | | 110 | | 8 | 0.062 | 0.004 | 0.458 |
| 80 06 19 1010 | | | .3 | 1 | 37927 | 2.800 | | | | | | 0.033 | 0.006 | 0.395 |
| 80 06 23 1400 | | | .3 | 1 | 37928 | 2.860 | | | 80I | | 4< | 0.031 | 0.003 | 0.334 |
| 80 07 07 1500 | | | .3 | 1 | 37929 | 1.500 | | | 80I | | 4< | 0.098 | 0.014 | 0.160 |
| 80 07 14 1440 | | | .3 | 1 | 37930 | 1.340 | | | 172 | | 8 | 0.053 | 0.001 | 0.104 |
| 80 07 21 1000 | | | .3 | 1 | 37931 | 3.370 | | | 9100 | | 490 | 0.370 | 0.013 | 0.826 |
| 80 07 28 1330 | | | .3 | 1 | 37932 | 27.100 | | | 43000 | | 1080 | 0.535 | 0.025 | 1.090 |
| 80 07 31 1500 | | | .3 | 1 | 37933 | 7.630 | | | 2200 | | 280 | 0.153 | 0.019 | 1.120 |
| 80 08 12 1430 | | | .3 | 1 | 37934 | 2.950 | | | 5400 | | 1210 | 0.045 | 0.002 | 0.443 |
| 80 08 18 1400 | | | .3 | 1 | 37935 | 1.880 | | | 380 | | 10I | 0.023 | 0.001 | 0.255 |
| 80 08 25 1230 | | | .3 | 1 | 37936 | 2.060 | | | | | | 0.030 | 0.007 | 0.298 |
| 80 08 28 1425 | | | .3 | 1 | 37937 | 2.920 | | | 1500> | | 1400 | 0.112 | 0.006 | 0.657 |
| 80 09 12 1415 | | | .3 | 1 | 37939 | 1.480 | | | 100 | | 20< | 0.027 | 0.003 | 0.130 |
| 80 09 17 1400 | | | .3 | 1 | 37940 | 2.240 | | | 4900 | | 210 | 0.092 | 0.005 | 0.453 |
| 80 09 22 1345 | | | .3 | 1 | 37941 | 2.730 | | | 5500 | | 60I | 0.051 | 0.007 | 0.182 |
| 80 10 10 1215 | | | .3 | 1 | 37942 | 2.300 | 9500 | 20000 | | 320 | 490 | 0.029 | 0.011 | 0.098 |
| 80 10 14 1515 | | | .3 | 1 | 37943 | 1.950 | | | 360 | | 30I | 0.020 | 0.002 | 0.095 |
| 80 10 29 1200 | | | .3 | 1 | 37944 | 3.690 | | | 340 | | 4< | 0.028 | 0.003 | 0.361 |
| 80 11 10 1300 | | | .3 | 1 | 37945 | 3.580 | | | 130 | | 4 | 0.023 | 0.004 | 0.289 |
| 80 11 17 1545 | | | .3 | 1 | 37946 | 3.060 | | | 210 | | 10< | 0.021 | 0.004 | 0.422 |
| 80 12 03 1315 | | | .3 | 1 | 37948 | 15.000 | | | 1020 | | 30I | 0.345 | 0.020 | 1.280 |
| **MAXIMUM** | | | | | | **38.000** | **9500** | **20000** | **43000>** | **320** | **1400** | **1.080** | **0.120** | **2.340** |
| **ARITH MEAN** | | | | | | **7.119** | **9500** | **20000** | **28168** | **320** | **158L** | **0.131** | **0.018** | **0.771** |
| **GEOM MEAN** | | | | | | **3.982** | | | **6748** | | **26L** | **0.074** | **0.009** | **0.535** |
| **MINIMUM** | | | | | | **1.170** | **9500** | **20000** | **20<** | **320** | **4<** | **0.020** | **0.001** | **0.095** |
| **STD DEV** | | | | | | **9.067** | | | **72188** | | **346L** | **0.193** | **0.023** | **0.591** |
| **NO OF SAMPLES** | | | | | | **40** | **1** | **1** | **36** | **1** | **37** | **40** | **37** | **37** |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TEST-NAME: RSP<br>RESIDUE PARTIC. MG/L | COND25<br>CONDUCT. 25C UMHO/CM AT 25 C | ASUT<br>ARSENIC UNF.TOT. MG/L AS AS | HGUT<br>MERCURY UNF.TOT. UG/L AS HG | CRUT<br>CHROMIUM UNF.TOT. MG/L AS CR | CUUT<br>COPPER UNF.TOT. MG/L AS CU | PBUT<br>LEAD UNF.TOT. MG/L AS PB | CDUT<br>CADMIUM UNF.TOT. MG/L AS CD | ZNUT<br>ZINC UNF.TOT. MG/L AS ZN | NIUT<br>NICKEL UNF.TOT. MG/L AS NI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 23 1100 | | | .3 | 1 | | 840.0 | | 0.020< | | 0.010< | 0.030< | 0.005 < | | |
| 80 01 29 1330 | | | .3 | 1 | 15.0 | 810.0 | | 0.020< | | 0.010< | 0.030< | 0.005 < | | |
| 80 02 01 1030 | | | .3 | 1 | 8.0 | 880.0 | | 0.030< | | 0.010< | 0.030< | 0.005 < | | |
| 80 02 05 1030 | | | .3 | 1 | 11.0 | 980.0 | | 0.020< | | 0.010< | 0.030< | 0.005 < | | |
| 80 02 07 1045 | | | .3 | 1 | 7.0 | 910.0 | | | | | | | | |
| 80 02 14 1000 | | | .3 | 1 | 53.0 | 780.0 | | 0.030 | | | 0.080 | 0.005 < | | |
| 80 02 25 1030 | | | .3 | 1 | 24.0 | 990.0 | | 0.040 | | | 0.030 | 0.005 < | | |
| 80 03 03 1030 | | | .3 | 1 | 12.0 | 915.0 | | 0.020< | | | 0.030< | 0.005 < | | |
| 80 03 17 1230 | | | .3 | 1 | 9.0 | 1280.0 | | 0.020< | | 0.010< | 0.030< | 0.005 < | | |
| 80 03 18 1145 | | | .3 | 1 | 534.0 | 455.0 | 0.001< | 0.050 | 0.020 | 0.030 | 0.040 | 0.005 < | 0.090 | 0.030 |
| 80 03 25 1030 | | | .3 | 1 | 183.0 | 525.0 | | 0.020 | | 0.010< | 0.030< | 0.005 < | | |
| 80 03 27 1230 | | | .3 | 1 | 171.0 | 540.0 | | 0.020< | | 0.010< | 0.030< | 0.005 < | | |
| 80 04 08 1345 | | | .3 | 1 | 65.0 | 720.0 | | 0.020< | | 0.010< | 0.030< | 0.005 < | | |
| 80 04 11 1430 | | | .3 | 1 | 175.0 | 630.0 | | 0.020< | | | | | | |
| 80 04 23 1330 | | | .3 | 1 | 12.0 | 690.0 | | 0.020 | | 0.020 | 0.030< | 0.005 < | | |
| 80 04 29 1530 | | | .3 | 1 | 14.0 | 650.0 | | 0.020 | | 0.010< | 0.030< | 0.005 < | | |
| 80 05 05 1515 | | | .3 | 1 | 11.0 | 650.0 | | 0.030< | | 0.010< | 0.030< | 0.005 < | | |
| 80 05 12 1530 | | | .3 | 1 | 10.0 | 650.0 | | 0.020< | | 0.010< | 0.030< | 0.005 < | | |
| 80 05 20 1530 | | | .3 | 1 | 18.0 | | | 0.020< | | 0.010< | 0.030< | 0.005 < | | |
| 80 06 11 1200 | | | .3 | 1 | 5.0 | 650.0 | | 0.030< | | 0.010< | 0.030< | 0.005 < | | |
| 80 06 19 1010 | | | .3 | 1 | 5.0 | 700.0 | | 0.020< | | 0.010< | 0.030< | 0.005 < | | |
| 80 06 23 1400 | | | .3 | 1 | 5.0 | 600.0 | | 0.040< | | 0.010< | 0.030< | 0.005 < | | |
| 80 07 07 1500 | | | .3 | 1 | 9.0 | 650.0 | | 0.030< | | 0.010 | 0.030< | 0.005 < | | |
| 80 07 14 1440 | | | .3 | 1 | 9.0 | 600.0 | | 0.020< | | 0.010< | 0.030< | 0.005 < | | |
| 80 07 21 1000 | | | .3 | 1 | 232.0 | 550.0 | | 0.040 | | 0.010 | 0.060 | 0.005 < | | |
| 80 07 28 1330 | | | .3 | 1 | 355.0 | 650.0 | | | | 0.020 | 0.050 | 0.005 < | | |
| 80 07 31 1500 | | | .3 | 1 | 79.0 | 600.0 | | 0.030 | | 0.010< | 0.030< | 0.010 < | | |
| 80 08 12 1430 | | | .3 | 1 | 9.0 | 550.0 | | 0.040< | | 0.003 | 0.005 | 0.0001< | | |
| 80 08 18 1400 | | | .3 | 1 | 5.0 | 650.0 | | 0.040< | | 0.005 | 0.003< | 0.0002< | | |
| 80 08 25 1230 | | | .3 | 1 | 3.0 | 600.0 | | 0.040< | | 0.001< | 0.003< | 0.0002< | | |
| 80 08 28 1425 | | | .3 | 1 | 21.0 | 500.0 | | 0.040< | | 0.006 | 0.020 | 0.001 < | | |
| 80 09 12 1415 | | | .3 | 1 | 6.0 | 620.0 | | 0.040< | | 0.005 | 0.003< | 0.0002< | | |
| 80 09 17 1400 | | | .3 | 1 | 61.0 | 640.0 | | 0.030< | | 0.007 | 0.010 | 0.0002< | | |
| 80 09 22 1345 | | | .3 | 1 | 9.0 | 600.0 | | 0.040< | | 0.005 | 0.005 | 0.0002< | | |
| 80 10 10 1215 | | | .3 | 1 | 92.0 | 600.0 | | 0.040< | | 0.001 | 0.003< | 0.0002< | | |
| 80 10 14 1515 | | | .3 | 1 | 25.0 | 600.0 | | 0.040< | | 0.001< | 0.003< | 0.0002< | | |
| 80 10 29 1200 | | | .3 | 1 | 363.0 | 640.0 | | 0.030< | | 0.001< | 0.003< | 0.0002< | | |
| 80 11 10 1300 | | | .3 | 1 | 33.0 | 570.0 | | 0.040< | | 0.003 | 0.003< | 0.0002< | | |
| 80 11 17 1545 | | | .3 | 1 | 40.0 | 650.0 | | 0.020< | | 0.004 | 0.003< | 0.0003 | | |
| 80 12 03 1315 | | | .3 | 1 | 267.0 | 700.0 | | 0.040< | | 0.018 | 0.020 | 0.0006 | | |
| **MAXIMUM** | | | | | **534.0** | **1280.0** | **0.001** | **0.050** | **0.020** | **0.030** | **0.080** | **0.010** | **0.090** | **0.030** |
| **ARITH MEAN** | | | | | **76.0** | **687.6** | **0.001L** | **0.030L** | **0.020** | **0.009L** | **0.025L** | **0.003 L** | **0.090** | **0.030** |
| **GEOM MEAN** | | | | | **28.0** | **672.1** | | **0.028L** | | **0.007L** | **0.017L** | **0.001 L** | | |
| **MINIMUM** | | | | | **3.0** | **455.0** | **0.001<** | **0.020<** | **0.020** | **0.001<** | **0.003<** | **0.0001<** | **0.090** | **0.030** |
| **STD DEV** | | | | | **122.2** | **160.7** | | **0.009L** | | **0.006L** | **0.017L** | **0.002 L** | | |
| **NO OF SAMPLES** | | | | | **39** | **39** | **1** | **38** | **1** | **35** | **38** | **38** | **1** | **1** |

(CONTD)

| TEST-NAME: | | | | | COUT | P1PCBT | X3PCPH | P3245T |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COBALT UNF.TOT. MG/L AS CO | PCB TOTAL UG/L | PENTACHL PHENOL UG/L | 2 4 5-T UG/L |
| 80 01 23 1100 | | | .3 | 1 | | 0.060 | 0.320 | 0.050R |
| 80 01 29 1330 | | | 3 | 1 | | 0.020R | 0.250 | 0.050R |
| 80 02 01 1030 | | | .3 | 1 | | 0.020R | | |
| 80 02 07 1045 | | | .3 | 1 | | 0.020R | 0.050R | 0.050R |
| 80 02 25 1030 | | | .3 | 1 | | 0.020R | | |
| 80 03 03 1030 | | | 3 | 1 | | 0.080 | | |
| 80 03 17 1230 | | | .3 | 1 | | 0.020 | | |
| 80 03 18 1145 | | | 3 | 1 | 0.020< | 0.090 | | |
| 80 03 25 1030 | | | .3 | 1 | | 0.020R | | |
| 80 03 27 1230 | | | 3 | 1 | | 0.020R | | |
| 80 04 08 1345 | | | .3 | 1 | | 0.020R | | |
| 80 04 11 1430 | | | 3 | 1 | | 0.020 | | |
| 80 04 23 1330 | | | .3 | 1 | | 0.020R | | |
| 80 04 29 1530 | | | 3 | 1 | | 0.020R | | |
| 80 05 05 1515 | | | 3 | 1 | | 0.020R | | |
| 80 05 12 1530 | | | .3 | 1 | | 0.020R | | |
| 80 05 20 1530 | | | 3 | 1 | | | 0.050R | 0.050R |
| 80 06 11 1200 | | | 3 | 1 | | 0.020R | | |
| 80 06 19 1010 | | | 3 | 1 | | 0.020R | | |
| 80 06 23 1400 | | | .3 | 1 | | 0.020R | | |
| 80 07 07 1500 | | | .3 | 1 | | 0.020R | | |
| 80 07 14 1440 | | | 3 | 1 | | 0.020R | | |
| 80 07 21 1000 | | | 3 | 1 | | 0.030 | 0.060 | 0.050R |
| 80 07 28 1330 | | | 3 | 1 | | 0.020 | 0.060 | 0.050R |
| 80 07 31 1500 | | | 3 | 1 | | 0.020R | 0.050R | 0.050R |
| 80 08 12 1430 | | | 3 | 1 | | 0.020R | 0.050 | 0.050R |
| 80 08 18 1400 | | | 3 | 1 | | 0.020R | 0.050R | 0.050R |
| 80 08 25 1230 | | | 3 | 1 | | 0.020R | 0.050R | 0.050R |
| 80 08 28 1425 | | | 3 | 1 | | 0.020R | | |
| 80 09 12 1415 | | | 3 | 1 | | 0.020R | | |
| 80 09 17 1400 | | | 3 | 1 | | 0.030 | | |
| 80 09 22 1345 | | | 3 | 1 | | 0.020R | 0.330 | 0.050R |
| 80 10 10 1215 | | | 3 | 1 | | 0.020R | 0.050R | 0.050R |
| 80 10 14 1515 | | | .3 | 1 | | 0.020R | 0.050R | 0.050R |
| 80 10 29 1200 | | | 3 | 1 | | 0.020R | 0.050 | 0.050R |
| 80 11 10 1300 | | | 3 | 1 | | 0.020R | 0.050R | 0.050R |
| 80 11 17 1545 | | | 3 | 1 | | 0.020 | | |
| 80 12 03 1315 | | | 3 | 1 | | 0.021 | 0.050 | 0.050 |
| MAXIMUM | | | | | **0.020** | | **0.330** | **0.050** |
| ARITH MEAN | | | | | **0.020L** | | **0.098B** | **0.050B** |
| GEOM MEAN | | | | | | | **0.071B** | **0.050B** |
| MINIMUM | | | | | **0.020<** | | **0.050** | **0.050** |
| STD DEV | | | | | | | **0.101B** | **0.000B** |
| NO OF SAMPLES | | | | | **1** | | **16** | **16** |

B O W / SITE: **DON RIVER**
SAMPLE POINT: **LAKESHORE ROAD TORONTO**
STATION TYPE: **RIVER FLOW GAUGE FED 02HC024**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **DON RIVER**

STATION ID: **06-0085-001-02**
STORET CODE: **02**
**004**
**4050**

LAT: LONG: U T M: **17 0633250.0 4834200.0 4** REGION: **03** DISTANCE: **0.161**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FCMF | FSMF | FWTEMP | DO | PPUT | PPO4FR | NNTKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | K'DAHL N TOTAL FIL.TOT. MG/L AS N |
| 80 01 11 1500 | | | .3 | 1 | 22021 | 6 3 9 | 39.700 | 22000 | 50000 | 2.5 | 11.5 | 1.690 | 0.110 | 4.000 |
| 80 02 07 1500 | | | 3 | 1 | 22072 | 4 | 1.430 | 8 | 260 | 0.0 | 12.0 | 0.860 | 0.640 | 7.300 |
| 80 02 14 1400 | | | .3 | 1 | 22081 | 6 | 1.590 | 1700 | 1500 | 0.8 | 10.6 | 0.550 | 0.285 | 6.600 |
| 80 03 06 1515 | | | .3 | 1 | 21060 | 6 | 2.200 | 15000> | 3200 | 0.0 | 13.2 | 0.328 | 0.140 | 5.800 |
| 80 03 14 1200 | | | .3 | 1 | 21078 | 6 | 2.750 | 89000 | 15000> | 1.0 | 9.7 | 0.720 | 0.410 | 6.800 |
| 80 03 21 1400 | | | 3 | 1 | 21088 | 6 3 | 86.700 | 12000 | 12000 | 3.2 | 11.8 | 2.660 | 0.195 | 5.230 |
| 80 03 27 1530 | | | .3 | 1 | 21131 | 6 9 | 4.080 | 200I | 200I | 9.0 | 12.3 | 3.830 | 0.115 | 0.220 |
| 80 04 09 1430 | | | .3 | 1 | 21135 | 6 | 24.600 | 7800 | 10400 | 10.0 | 11.6 | 1.393 | 0.083 | 3.550 |
| 80 04 17 1400 | | | .3 | 1 | 21138 | 6 | 5.190 | 1160 | 228 | 8.4 | 13.2 | 0.138 | 0.069 | 2.100 |
| 80 04 25 1145 | | | 3 | 1 | 21200 | 6 9 | 4.040 | 780 | 600> | 11.0 | 8.8 | 0.440 | 0.180 | 3.850 |
| 80 04 28 1345 | | | 3 | 1 | 21205 | 6 | 15.000 | 1880 | 1800 | 10.2 | 10.7 | 0.162 | 0.065 | 2.020 |
| 80 05 06 1300 | | | 3 | 1 | 21210 | 6 | 2.730 | 2100 | 1500 | 15.4 | 8.2 | 0.309 | 0.210 | 3.230 |
| 80 06 19 1400 | | | .3 | 1 | 21272 | 6 | 4.660 | | | 17.0 | 10.1 | 0.280 | 0.128 | 5.300 |
| 80 07 04 1400 | | | .3 | 1 | 21338 | | 1.690 | 21000 | 7500 | | | 0.544 | 0.350 | 5.920 |
| 80 08 11 1100 | | | .3 | 1 | 21400 | 6 9 | 1.490 | 2040 | 900 | 24.6 | 6.8 | 0.353 | 0.205 | 5.440 |
| 80 09 10 1330 | | | .3 | 1 | 21465 | 6 | 2.080 | 15000> | 10200 | 18.8 | 7.8 | 0.39 | 0.170 | 3.63 |
| 80 10 02 1230 | | | .3 | 1 | 21525 | 6 | 3.070 | 150000> | 42000 | 13.5 | 6.8 | 0.588 | 0.420 | 4.48 |
| 80 11 07 1515 | | | 3 | 1 | 21591 | 6 | 3.310 | 2900 | 230 | 7.0 | 8.4 | 0.352 | 0.195 | 3.400 |
| 80 11 26 | | | 3 | 1 | 21650 | 8 | 1.790 | 3700 | 300I | | | 0.545 | 0.310 | 5.170 |
| 80 12 05 1300 | | | 3 | 1 | 21654 | 6 | 3.520 | 1300 | 1140 | 0.0 | 8.2 | 0.263 | 0.022 | 3.350 |
| MAXIMUM | | | | | | | **86.700** | **150000>** | **50000>** | **24.6** | **13.2** | **3.830** | **0.640** | **7.300** |
| ARITH MEAN | | | | | | | **10.581** | **18398G** | **8366G** | **8.5** | **10.1** | **0.82** | **0.216** | **4.38** |
| GEOM MEAN | | | | | | | **4.367** | **3594G** | **2144G** | **5.1** | **9.9** | **0.54** | **0.168** | **3.72** |
| MINIMUM | | | | | | | **1.430** | **8** | **200** | **0.0** | **6.8** | **0.138** | **0.022** | **0.220** |
| STD DEV | | | | | | | **20.307** | **37720G** | **14127G** | **7.4** | **2.1** | **0.93** | **0.150** | **1.77** |
| NO OF SAMPLES | | | | | | | **20** | **19** | **19** | **18** | **18** | **20** | **20** | **20** |

(CONTD)

B.O.W./ SITE: **DON RIVER**
SAMPLE POINT: **LAKESHORE ROAD TORONTO**
STATION TYPE: **RIVER FLOW GAUGE FED 02HC024**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **DON RIVER**

STATION ID: **06-0085-001-02**
STORET CODE: **02**
**004**
**4050**

LAT: LONG: U.T.M. **17 0633250.0 4834200.0 4** REGION: **03** DISTANCE: **0.161**

| TEST-NAME: | | | | | NNO2FR | NNO3FR | NNKI | RSP | RSF | COND25 | ALKT | PH | FWPH | SOLEXT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | SOLVENT EXTRACT. MG/L |
| 80 01 11 1500 | | | 3 | 1 | 0.116 | 0.524 | 4.640 | 116.00 | 601.00 | | 237.0 | 7.53 | 7.5 | |
| 80 02 07 1500 | | | 3 | 1 | 0.070 | 2.230 | 9.600 | 10.00 | 743.00 | | 255.0 | 7.84 | | |
| 80 02 14 1400 | | | 3 | 1 | 0.071 | 1.830 | 8.501 | 11.00 | 737.00 | | 251.0 | 7.76 | 7.6 | |
| 80 03 06 1515 | | | .3 | 1 | 0.150 | 2.200 | 8.150 | 7.00 | 1942.00 | 3500.0 | 172 | 7.77 | | |
| 80 03 14 1200 | | | 3 | 1 | 0.084 | 1.970 | 8.854 | 20.00 | 1939.00 | | 205.0 | 7.78 | 7.5 | |
| 80 03 21 1400 | | | 3 | 1 | 0.140 | 0.960 | 6.330 | 2416.00 | 306.00 | | 481.0 | 7.62 | 7.5 | |
| 80 03 27 1530 | | | .3 | 1 | 0.072 | 2.080 | 2.372 | 19.00 | 714.00 | | 200.0 | 7.89 | 7.6 | |
| 80 04 09 1430 | | | 3 | 1 | 0.076 | 1.470 | 5.096 | 965.00 | 427.00 | 660.0 | 231.0 | 8.04 | 7.8 | |
| 80 04 17 1400 | | | 3 | 1 | 0.081 | 3.000 | 5.181 | 29.00 | 810.00 | 1190.0 | 258.0 | 8.01 | 7.7 | |
| 80 04 25 1145 | | | .3 | 1 | 2.980 | 1.860 | 8.690 | 8.00 | 846.00 | 1270.0 | 242.0 | 7.99 | 7.9 | |
| 80 04 28 1345 | | | 3 | 1 | 0.140 | 2.110 | 4.270 | 28.00 | 546.00 | 900.0 | 169.0 | 7.88 | | |
| 80 05 06 1300 | | | 3 | 1 | 0.180 | 1.470 | 4.880 | 5.00 | 765.00 | 1150.0 | 217.0 | 7.86 | 7.9 | |
| 80 06 19 1400 | | | .3 | 1 | 0.320 | 1.830 | 7.450 | 17.00 | 486.00 | 1100.0 | 234.0 | 7.76 | 7.8 | |
| 80 07 04 1400 | | | .3 | 1 | 0.380 | 1.080 | 7.380 | 14.00 | 587.00 | | 189.0 | 7.71 | | |
| 80 08 11 1100 | | | .3 | 1 | 1.280 | 0.520 | 7.240 | 17.00 | 591.00 | 950.0 | 188.0 | 7.80 | | 7.7 |
| 80 09 10 1330 | | | .3 | 1 | 0.340 | 2.01 | 5.980 | 4 | 469 | 760 | 164 | 7.40 | | |
| 80 10 02 1230 | | | .3 | 1 | 0.010 | 4.99 | 9.480 | 17 | 533 | 900 | 202 | 7.19 | 7.6 | |
| 80 11 07 1515 | | | 3 | 1 | 0.315 | 1.530 | 5.245 | 15.00 | 513.00 | 860.0 | 181.0 | 7.64 | 7.9 | |
| 80 11 26 | | | .3 | 1 | 0.120 | 1.950 | 7.240 | 16.00 | 640.00 | | 220.0 | 7.83 | | |
| 80 12 05 1300 | | | .3 | 1 | 0.017 | 1.180 | 4.547 | 25.00 | 682.00 | 820.0 | 218.0 | 8.25 | 7.0 | |
| **MAXIMUM** | | | | | **2.980** | **4.99** | **9.600** | **2416.00** | **1942.00** | **3500.0** | **481.0** | **8.25** | **7.9** | **7.7** |
| **ARITH MEAN** | | | | | **0.347** | **1.84** | **6.556** | **187** | **743** | **1171** | **225** | **7.78** | **7.6** | **7.7** |
| **GEOM MEAN** | | | | | **0.142** | **1.62** | **6.225** | **24** | **667** | **1051** | **219** | **7.77** | **7.6** | |
| **MINIMUM** | | | | | **0.010** | **0.520** | **2.372** | **4** | **306.00** | **660.0** | **164** | **7.19** | **7.0** | **7.7** |
| **STD DEV** | | | | | **0.678** | **0.95** | **1.997** | **565** | **431** | **755** | **66** | **0.23** | **0.2** | |
| **NO OF SAMPLES** | | | | | **20** | **20** | **20** | **20** | **20** | **12** | **20** | **20** | **13** | **1** |

| TEST-NAME: | | | | | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT | P1PCBT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | PCB TOTAL UG/L |
| 80 01 11 1500 | | | 3 | 1 | 0.005 | 0.210 | 0.060 | 0.090 | 0.320 | 0.010 | 0.340 | 0.150 |
| 80 02 07 1500 | | | 3 | 1 | 0.001 | 0.030 | 0.020 | 0.010< | 0.030< | 0.005 < | 0.050 | 0.020R |
| 80 02 14 1400 | | | .3 | 1 | 0.002 | 0.030 | 0.040 | 0.010< | 0.030< | 0.005 < | 0.030 | 0.057 |
| 80 03 06 1515 | | | 3 | 1 | 0.002 | 0.040 | 0.020< | 0.010< | 0.030< | 0.010 | 0.100 | 0.070 |
| 80 03 14 1200 | | | 3 | 1 | 0.001 | 0.080 | 0.020< | 0.020 | 0.030< | 0.005 < | 0.070 | 0.030 |
| 80 03 21 1400 | | | .3 | 1 | 0.004 | 0.270 | 0.100 | 0.120 | 0.290 | 0.007 | 0.500 | 1.100 |
| 80 03 27 1530 | | | .3 | 1 | 0.002 | 0.020< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.030 | 0.020R |
| 80 04 09 1430 | | | 3 | 1 | 0.006 | 0.100 | 0.020 | 0.060 | 0.060 | 0.005 < | 0.190 | 0.060 |
| 80 04 17 1400 | | | .3 | 1 | | | | | | | | 0.020R |
| 80 04 25 1145 | | | .3 | 1 | 0.001< | 0.100 | 0.020< | 0.020 | 0.030< | 0.005 < | 0.050 | 0.030 |
| 80 04 28 1345 | | | .3 | 1 | 0.004 | 0.020 | 0.020< | 0.020 | 0.030< | 0.005 < | 0.050 | 0.020R |
| 80 05 06 1300 | | | 3 | 1 | 0.002 | 0.030< | 0.020< | 0.020 | 0.030< | 0.005 < | 0.020 | 0.020R |
| 80 06 19 1400 | | | 3 | 1 | 0.001< | 0.030 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 07 04 1400 | | | 3 | 1 | 0.001< | 0.030< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.020 | 0.023 |
| 80 08 11 1100 | | | 3 | 1 | 0.001< | 0.04 | 0.018 | 0.004 | 0.013 | 0.0003 | 0.017 | 0.020R |
| 80 09 10 1330 | | | 3 | 1 | 0.002 | 0.04 | 0.020 | 0.009 | 0.010 | 0.0002< | 0.026 | 0.020R |
| 80 10 02 1230 | | | .3 | 1 | | | | | | | | 0.020R |
| 80 11 07 1515 | | | .3 | 1 | 0.001 | 0.040< | 0.007 | 0.008 | 0.010 | 0.0002< | 0.032 | 0.020R |
| 80 11 26 | | | 3 | 1 | 0.001< | 0.050 | 0.009 | 0.007 | 0.020 | 0.0005 | 0.017 | |
| 80 12 05 1300 | | | 3 | 1 | 0.001< | 0.07 | 0.030 | 0.012 | 0.006 | 0.0002< | 0.030 | |
| **MAXIMUM** | | | | | **0.006** | **0.270** | **0.100** | **0.120** | **0.320** | **0.010** | **0.500** | |
| **ARITH MEAN** | | | | | **0.002L** | **0.06 L** | **0.027L** | **0.025L** | **0.057L** | **0.004 L** | **0.088L** | |
| **GEOM MEAN** | | | | | **0.002L** | **0.05 L** | **0.022L** | **0.015L** | **0.030L** | **0.002 L** | **0.046L** | |
| **MINIMUM** | | | | | **0.001<** | **0.020<** | **0.007<** | **0.004<** | **0.006<** | **0.0002<** | **0.010<** | |
| **STD DEV** | | | | | **0.002L** | **0.06 L** | **0.022L** | **0.032L** | **0.091L** | **0.003 L** | **0.131L** | |
| **NO OF SAMPLES** | | | | | **18** | **18** | **18** | **18** | **18** | **18** | **18** | |

B.O.W./ SITE: **DON RIVER WEST**
SAMPLE POINT: **SHEPPARD AVE TORONTO**
STATION TYPE: **RIVER FLOW GAUGE FED 02HC005**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **DON RIVER**

STATION ID: **06-0085-002-02**
STORET CODE: **02**
**004**
**4050**

LAT: LONG: U.T.M.: **17 0626875.0 4845350.0 4** REGION: **03** DISTANCE: **22.208**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | FCMF | FWTEMP | DO | PPUT | NNHTFR | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | FECAL COLIFORM MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | RESIDUE PARTIC. MG/L |
| 80 01 30 1100 | | | 3 | 1 | 27502 | 6 | 0.276 | | | 0.5 | 11.6 | 0.093 | 0.530 | 16.00 |
| 80 03 19 1045 | | | .3 | 1 | 27518 | 6 | 3.190 | 56000C | 4900 | 2.8 | 12.8 | 0.570 | 0.196 | 207.00 |
| 80 05 07 1045 | | | 3 | 1 | 27534 | 6 | 0.549 | 14000 | 1900 | 13.5 | 11.0 | 0.065 | 0.154 | 15.00 |
| 80 06 17 1150 | | | 3 | 1 | 27550 | 6 | 0.398 | | | 16.2 | 9.7 | 2.380 | 0.590 | 17.00 |
| 80 08 08 1030 | | | .3 | 1 | 27566 | 5 | 0.632 | 1500 | 60I | 20.0 | 10.0 | 0.051 | 0.076 | 4.00 |
| 80 10 03 1135 | | | 3 | 1 | 27582 | 5 | 0.841 | 34000 | 3800 | 12.8 | 8.7 | 0.090 | 0.098 | 13 |
| 80 11 04 1150 | | | .3 | 1 | 27598 | 5 | 0.395 | 77000 | 4400 | 8.5 | 11.8 | 0.128 | 0.006 | 18.00 |
| **MAXIMUM** | | | | | | | **3.190** | **77000** | **4900** | **20.0** | **12.8** | **2.380** | **0.590** | **207.00** |
| **ARITH MEAN** | | | | | | | **0.897** | **36500** | **3012** | **10.6** | **10.8** | **0.482** | **0.236** | **41** |
| **GEOM MEAN** | | | | | | | **0.632** | **19846** | **1663** | **6.8** | **10.7** | **0.174** | **0.123** | **18** |
| **MINIMUM** | | | | | | | **0.276** | **1500** | **60** | **0.5** | **8.7** | **0.051** | **0.006** | **4.00** |
| **STD DEV** | | | | | | | **1.028** | **30661** | **2004** | **7.1** | **1.4** | **0.856** | **0.230** | **73** |
| **NO OF SAMPLES** | | | | | | | **7** | **5** | **5** | **7** | **7** | **7** | **7** | **7** |

| TEST-NAME: | | | | COND25 | TURB | ALKT | PH | FWPH | PHNOL | FEUT | ASUT | CRUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | ARSENIC UNF.TOT. MG/L AS AS | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU |
| 80 01 30 1100 | | 3 | 1 | 1120.0 | 12.00 | 243 | 7.87 | 7.5 | 1.000< | 1.100 | 0.001< | 0.020< | 0.010 |
| 80 03 19 1045 | | 3 | 1 | 570.0 | 170.00 | 113.0 | 7.45 | 6.6 | 5.000 | 11.000 | | | |
| 80 05 07 1045 | | 3 | 1 | 900.0 | 9.10 | 198 | 8.02 | 6.7 | 1.000< | 0.700 | 0.002 | | 0.040 |
| 80 06 17 1150 | | 3 | 1 | 650.0 | 16.00 | 152.0 | 8.15 | 6.7 | 1.000< | 0.960 | 0.002 | 0.020< | 0.270 |
| 80 08 08 1030 | | .3 | 1 | 750.0 | 2.80 | 204.0 | 8.19 | 7.2 | 1.000< | 0.130 | 0.001 | 0.009 | 0.001< |
| 80 10 03 1135 | | .3 | 1 | 580 | 4.4 | 147 | 7.40 | 7.0 | 1 | 0.72 | 0.003 | 0.009 | 0.005 |
| 80 11 04 1150 | | .3 | 1 | 800.0 | 7.50 | 200.0 | 7.96 | 7.3 | 1.000< | | 0.001 | | 0.002 |
| MAXIMUM | | | | **1120.0** | **170.00** | **243** | **8.19** | **7.5** | **5.000** | **11.000** | **0.003** | **0.020** | **0.270** |
| ARITH MEAN | | | | **767** | **31.6** | **179** | **7.86** | **7.0** | **1 L** | **2.43** | **0.002L** | **0.014L** | **0.055L** |
| GEOM MEAN | | | | **747** | **11.5** | **174** | **7.86** | **7.0** | **1 L** | **0.95** | **0.002L** | **0.013L** | **0.010L** |
| MINIMUM | | | | **570.0** | **2.80** | **113.0** | **7.40** | **6.6** | **1.000<** | **0.130** | **0.001<** | **0.009<** | **0.001<** |
| STD DEV | | | | **196** | **61.1** | **44** | **0.32** | **0.3** | **1 L** | **4.20** | **0.001L** | **0.006L** | **0.106L** |
| NO OF SAMPLES | | | | **7** | **7** | **7** | **7** | **7** | **7** | **6** | **6** | **4** | **6** |

| TEST-NAME: | | | | PBUT | CDUT | ZNUT | NIUT | P1PCBT | X3PCPH | P3245T |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | PCB TOTAL UG/L | PENTACHL PHENOL UG/L | 2,4,5-T UG/L |
| 80 01 30 1100 | | .3 | 1 | 0.030< | 0.005 < | 0.170 | 0.020< | 0.020R | | |
| 80 03 19 1045 | | .3 | 1 | | | | | 0.020R | | |
| 80 05 07 1045 | | 3 | 1 | 0.030< | 0.005 < | 0.080 | 0.020< | 0.020R | | |
| 80 06 17 1150 | | 3 | 1 | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020R | | |
| 80 08 08 1030 | | 3 | 1 | 0.002 | 0.0001< | 0.008 | 0.005 | 0.020R | | 0.050R |
| 80 10 03 1135 | | 3 | 1 | 0.020 | 0.001 | 0.028 | 0.002< | 0.020R | | 0.050R |
| 80 11 04 1150 | | 3 | 1 | 0.009 | 0.0002< | 0.02 | 0.010 | 0.021 | 0.150 | 0.050R |
| MAXIMUM | | | | **0.030** | **0.005** | **0.170** | **0.020** | | **0.150** | **0.050** |
| ARITH MEAN | | | | **0.020L** | **0.002 L** | **0.05 L** | **0.013L** | | **0.150** | **0.050B** |
| GEOM MEAN | | | | **0.015L** | **0.001 L** | **0.02 L** | **0.010L** | | | **0.050B** |
| MINIMUM | | | | **0.002<** | **0.0001<** | **0.008<** | **0.002<** | | **0.150** | **0.050** |
| STD DEV | | | | **0.012L** | **0.002 L** | **0.06 L** | **0.008L** | | | **0.000B** |
| NO OF SAMPLES | | | | **6** | **6** | **6** | **6** | | **1** | **3** |

B.O.W./ SITE: **DON RIVER EAST**
SAMPLE POINT: **BAYVIEW AND STEELES AVE TORONTO**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **DON RIVER**

STATION ID: **06-0085-003-02**
STORET CODE: **02**
**004**
**4050**

LAT LONG U T M: **17 0629000.0 4850925.0 4** REGION: **03** DISTANCE: **27.680**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 30 1130 | | 3 | 1 | 27503 | 8 | 105000C | 350000 | 14300 | 3200 | 0.5 | 11.2 | 7.4 | 0.320 |
| 80 03 19 1100 | | 3 | 1 | 27519 | 8 6 | 100000 | 440000 | 8800 | 11000 | 2.5 | 12.5 | 13.0 | 0.915 |
| 80 05 07 1105 | | 3 | 1 | 27535 | 5 0 | 150000 | 530000 | 6300 | 3000I | 12.5 | 8.7 | 9.0 | 0.491 |
| 80 06 17 1215 | | 3 | 1 | 27551 | 8 6 | 91000 | 129000 | 8300 | 700I | 13.1 | 7.9 | 6.4 | 0.342 |
| 80 08 08 1050 | | .3 | 1 | 27567 | 5 8 | 22000 | 78000 | 2100 | 1700 | 19.9 | 6.9 | 1.0 | 0.769 |
| 80 10 03 1205 | | 3 | 1 | 27583 | 5 | 380000 | 350000 | 6500 | 7100 | 12.5 | 6.6 | 3.2 | 0.400 |
| 80 11 04 1210 | | 3 | 1 | 27599 | 5 | 190000 | 480000 | 5900 | 6800 | 9.3 | 8.3 | 6.5 | 0.185 |
| MAXIMUM | | | | | | **380000** | **530000** | **14300** | **11000** | **19.9** | **12.5** | **13.0** | **0.915** |
| ARITH MEAN | | | | | | **148286** | **336714** | **7457** | **4788** | **10.0** | **8.9** | **6.6** | **0.489** |
| GEOM MEAN | | | | | | **112471** | **280893** | **6573** | **3471** | **6.5** | **8.7** | **5.3** | **0.432** |
| MINIMUM | | | | | | **22000** | **78000** | **2100** | **700** | **0.5** | **6.6** | **1.0** | **0.186** |
| STD DEV | | | | | | **114651** | **172718** | **3713** | **3650** | **6.7** | **2.2** | **3.9** | **0.262** |
| NO OF SAMPLES | | | | | | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** |

| TEST-NAME: | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 30 1130 | | 3 | 1 | 0.170 | 2.900 | 3.570 | 0.066 | 2.240 | 5.206 | 0.670 | 5.876 | 613.0 | 41.0 |
| 80 03 19 1100 | | .3 | 1 | 0.085 | 0.780 | 5.550 | 0.071 | 2.330 | 3.181 | 4.770 | 7.951 | 440.0 | 80.0 |
| 80 05 07 1105 | | .3 | 1 | 0.090 | 0.350 | 1.950 | 0.080 | 2.220 | 2.650 | 1.600 | 4.250 | 603.0 | 36.0 |
| 80 06 17 1215 | | .3 | 1 | 0.220 | 2.400 | 3.320 | 0.340 | 2.260 | 5.000 | 0.920 | 5.920 | 565.0 | 14.0 |
| 80 08 08 1050 | | 3 | 1 | 0.650 | 0.138 | 1.03 | 0.290 | 4.31 | 4.738 | 0.892 | 5.630 | 563 | 22 |
| 80 10 03 1205 | | .3 | 1 | 0.091 | 0.014 | 1.68 | 0.046 | 3.85 | 3.910 | 1.666 | 5.576 | 527 | 144 |
| 80 11 04 1210 | | 3 | 1 | 0.014 | 0.470 | 1.750 | 0.012 | 2.390 | 2.872 | 1.280 | 4.152 | 491.0 | 24.0 |
| MAXIMUM | | | | **0.650** | **2.900** | **5.550** | **0.340** | **4.31** | **5.206** | **4.770** | **7.951** | **613.0** | **144** |
| ARITH MEAN | | | | **0.189** | **1.007** | **2.69** | **0.129** | **2.80** | **3.937** | **1.686** | **5.622** | **543** | **51** |
| GEOM MEAN | | | | **0.113** | **0.403** | **2.34** | **0.080** | **2.69** | **3.811** | **1.368** | **5.505** | **540** | **38** |
| MINIMUM | | | | **0.014** | **0.014** | **1.03** | **0.012** | **2.220** | **2.650** | **0.670** | **4.152** | **440.0** | **14.0** |
| STD DEV | | | | **0.214** | **1.167** | **1.55** | **0.130** | **0.88** | **1.080** | **1.410** | **1.266** | **61** | **46** |
| NO OF SAMPLES | | | | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** |

| TEST-NAME: | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 30 1130 | | .3 | 1 | 572.0 | 980.0 | 103.000 | 8.02 | 7.5 |
| 80 03 19 1100 | | .3 | 1 | 360.0 | 560.0 | 75.000 | 7.66 | 6.7 |
| 80 05 07 1105 | | .3 | 1 | 567.0 | 850.0 | 88.000 | 7.66 | 6.6 |
| 80 06 17 1215 | | .3 | 1 | 551.0 | 800.0 | 86.000 | 7.96 | 6.6 |
| 80 08 08 1050 | | 3 | 1 | 541 | 800 | 88.5 | 7.79 | 6.8 |
| 80 10 03 1205 | | 3 | 1 | 383 | 620 | 65.0 | 7.62 | 6.6 |
| 80 11 04 1210 | | .3 | 1 | 457.0 | 740.0 | 76.000 | 7.59 | 6.9 |
| MAXIMUM | | | | **572.0** | **980.0** | **103.000** | **8.02** | **7.5** |
| ARITH MEAN | | | | **490** | **764** | **83.0** | **7.76** | **6.8** |
| GEOM MEAN | | | | **482** | **752** | **82.2** | **7.76** | **6.8** |
| MINIMUM | | | | **360.0** | **560.0** | **65.0** | **7.59** | **6.6** |
| STD DEV | | | | **89** | **141** | **12.2** | **0.17** | **0.3** |
| NO OF SAMPLES | | | | **7** | **7** | **7** | **7** | **7** |

B.O.W./ SITE: **DON RIVER WEST**
SAMPLE POINT: **HIGHWAY 7 WEST OF CONCORD**
STATION TYPE: **RIVER FLOW GAUGE FED 02HC031**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **DON RIVER**

STATION ID: **06-0085-004-02**
STORET CODE: **02**
**004**
**4050**

LAT: LONG: U T M: **17 0622000.0 4850999.0 4** REGION: **03** DISTANCE: **31.864**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 30 1210 | | | .3 | 1 | 27505 | 4 | 0.093 | 141000C | 500000 | 7500 | 13800 | 0.5 | 9.9 | 7.6 |
| 80 03 19 1135 | | | .3 | 1 | 27521 | 9 0 6 | 2.270 | 60000C | 600000 | 13900 | 150000> | 2.0 | 11.7 | 12.0 |
| 80 05 07 1140 | | | .3 | 1 | 27537 | 0 | 0.909 | 800I | 12500 | 50I | 160 | 14.0 | 14.0 | 2.2 |
| 80 06 17 1250 | | | .3 | 1 | 27553 | 9 0 | 0.392 | 1400C | 35000 | 230 | 60I | 17.8 | 13.3 | 1.2 |
| 80 08 08 1125 | | | .3 | 1 | 27569 | 5 8 | 0.038 | 11000 | 160000 | 210 | 190 | 21.0 | 12.9 | 5.0 |
| 80 10 03 1235 | | | .3 | 1 | 27585 | 5 8 9 | 0.471 | 13000 | 46000 | 640 | 400 | 12.5 | 10.8 | 3.4 |
| 80 11 04 1240 | | | .3 | 1 | 27601 | 5 | 0.217 | 700I | 25000 | 60I | 180 | 8.5 | 12.0 | 3.4 |
| MAXIMUM | | | | | | | 2.270 | 141000 | 600000 | 13900 | 150000> | 21.0 | 14.0 | 12.0 |
| ARITH MEAN | | | | | | | 0.627 | 32557 | 196928 | 3227 | 23541G | 10.9 | 12.1 | 5.0 |
| GEOM MEAN | | | | | | | 0.313 | 7143 | 81629 | 515 | 830G | 6.6 | 12.0 | 3.9 |
| MINIMUM | | | | | | | 0.038 | 700 | 12500 | 50 | 60 | 0.5 | 9.9 | 1.2 |
| STD DEV | | | | | | | 0.781 | 52208 | 247742 | 5432 | 55993G | 7.7 | 1.4 | 3.7 |
| NO OF SAMPLES | | | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 30 1210 | | | .3 | 1 | 0.433 | 0.185 | 0.830 | 1.530 | 0.041 | 2.460 | 3.331 | 0.700 | 4.031 | 672.0 |
| 80 03 19 1135 | | | .3 | 1 | 0.525 | 0.390 | 3.160 | 5.500 | 0.170 | 1.780 | 5.110 | 2.340 | 7.450 | 454.0 |
| 80 05 07 1140 | | | .3 | 1 | 0.058 | 0.007 | 0.004 | 0.720 | 0.022 | 0.358 | 0.384 | 0.716 | 1.100 | 511.0 |
| 80 06 17 1250 | | | .3 | 1 | 0.131 | 0.075 | 0.136 | 1.080 | 0.064 | 2.440 | 2.640 | 0.944 | 3.584 | 577.0 |
| 80 08 08 1125 | | | .3 | 1 | 0.114 | 0.033 | 0.054 | 0.91 | 0.050 | 1.03 | 1.134 | 0.856 | 1.990 | 560 |
| 80 10 03 1235 | | | .3 | 1 | 0.198 | 0.180 | 0.028 | 1.35 | 0.015 | 3.04 | 3.083 | 1.322 | 4.405 | 506 |
| 80 11 04 1240 | | | .3 | 1 | 0.142 | 0.025 | 0.004 | 0.680 | 0.005 | 0.095 | 0.104 | 0.676 | 0.780 | 583.0 |
| MAXIMUM | | | | | 0.525 | 0.390 | 3.160 | 5.500 | 0.170 | 3.04 | 5.110 | 2.340 | 7.450 | 672.0 |
| ARITH MEAN | | | | | 0.229 | 0.128 | 0.602 | 1.68 | 0.052 | 1.60 | 2.255 | 1.079 | 3.334 | 551 |
| GEOM MEAN | | | | | 0.177 | 0.066 | 0.070 | 1.27 | 0.032 | 1.01 | 1.300 | 0.977 | 2.603 | 548 |
| MINIMUM | | | | | 0.058 | 0.007 | 0.004 | 0.680 | 0.005 | 0.095 | 0.104 | 0.676 | 0.780 | 454.0 |
| STD DEV | | | | | 0.178 | 0.136 | 1.166 | 1.71 | 0.056 | 1.13 | 1.804 | 0.599 | 2.308 | 70 |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 30 1210 | | | .3 | 1 | 11.0 | 661.0 | 1080.0 | 135.000 | 7.89 | 7.2 |
| 80 03 19 1135 | | | .3 | 1 | 155.0 | 299.0 | 450.0 | 60.000 | 7.43 | 6.7 |
| 80 05 07 1140 | | | .3 | 1 | 4.0 | 507.0 | 800.0 | 106.000 | 8.28 | 7.4 |
| 80 06 17 1250 | | | .3 | 1 | 7.0 | 570.0 | 850.0 | 104.000 | 8.35 | 7.4 |
| 80 08 08 1125 | | | .3 | 1 | 11 | 549 | 800 | 103 | 8.13 | 7.4 |
| 80 10 03 1235 | | | .3 | 1 | 17 | 489 | 820 | 104.5 | 8.21 | 7.2 |
| 80 11 04 1240 | | | .3 | 1 | 31.0 | 552.0 | 880.0 | 117.000 | 8.01 | 7.5 |
| MAXIMUM | | | | | 155.0 | 661.0 | 1080.0 | 135.000 | 8.35 | 7.5 |
| ARITH MEAN | | | | | 33 | 518 | 811 | 104 | 8.04 | 7.3 |
| GEOM MEAN | | | | | 16 | 505 | 789 | 101 | 8.04 | 7.3 |
| MINIMUM | | | | | 4.0 | 299.0 | 450.0 | 60.000 | 7.43 | 6.7 |
| STD DEV | | | | | 54 | 111 | 186 | 22 | 0.31 | 0.3 |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 | 7 | 7 |

B.O.W./ SITE: **GERMAN MILLS CREEK**
SAMPLE POINT: **16TH.AVE.DNSTR.FROM RICHMOND HILL STP**
STATION TYPE: **RIVER FLOW GAUGE MOE 02HC101**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **DON RIVER**

STATION ID: **06-0085-005-02**
STORET CODE: **02**
**004**
**4050**

LAT: LONG: U T M: **17 0626325.0 4856625.0 4** REGION: **03** DISTANCE: **35.566**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 30 1145 | | | .3 | 1 | 27504 | 6 0 | 47000 | 110000 | 1700 | 1700 | 2.0 | 8.6 | 5.8 | 1.950 |
| 80 03 19 1115 | | | .3 | 1 | 27520 | 6 | 51000 | 130000 | 3120 | 2800 | 7.8 | 10.4 | 6.4 | 0.710 |
| 80 05 07 1125 | | | .3 | 1 | 27536 | 5 | 20000 | 55000 | 900I | 100< | 14.0 | 9.4 | 4.6 | 1.050 |
| 80 06 17 1230 | | | .3 | 1 | 27552 | 9 | 1230000C | 6600000 | 5000I | 150000> | 18.8 | 6.7 | 66.0 | 5.080 |
| 80 08 08 1105 | | | .3 | 1 | 27568 | 5 | 17000 | 140000 | 610 | 630 | 20.0 | 7.6 | 1.2 | 0.872 |
| 80 10 03 1220 | | | .3 | 1 | 27584 | 5 | 46000C | 265000 | 5250 | 1250 | 16.5 | 6.5 | 3.4 | 1.26 |
| 80 11 04 1225 | | | .3 | 1 | 27600 | 5 0 | 75000C | 260000 | 2600 | 400I | 12.0 | 7.5 | 4.2 | 1.140 |
| MAXIMUM | | | | | | | 1230000 | 6600000 | 5250 | 150000> | 20.0 | 10.4 | 66.0 | 5.080 |
| ARITH MEAN | | | | | | | 212286 | 1080000 | 2740 | 22411B | 13.0 | 8.1 | 13.1 | 1.72 |
| GEOM MEAN | | | | | | | 61840 | 243028 | 2130 | 1560B | 10.7 | 8.0 | 5.7 | 1.37 |
| MINIMUM | | | | | | | 17000 | 55000 | 610 | 100< | 2.0 | 6.5 | 1.2 | 0.710 |
| STD DEV | | | | | | | 449200 | 2435318 | 1852 | 56269B | 6.4 | 1.4 | 23.4 | 1.53 |
| NO OF SAMPLES | | | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

(CONTD)

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 30 1145 | | | .3 | 1 | 1.230 | 0.278 | 1.750 | 0.440 | 9.560 | 10.278 | 1.472 | 11.750 | 688.0 | 81.0 |
| 80 03 19 1115 | | | .3 | 1 | 0.550 | 0.620 | 4.350 | 0.235 | 7.520 | 8.375 | 3.730 | 12.105 | 517.0 | 48.0 |
| 80 05 07 1125 | | | .3 | 1 | 0.880 | 0.084 | 1.080 | 0.170 | 9.830 | 10.084 | 0.996 | 11.080 | 733.0 | 26.0 |
| 80 06 17 1230 | | | .3 | 1 | 0.390 | 12.100 | 26.300 | 1.000 | 1.350 | 14.450 | 14.200 | 28.650 | 1056.0 | 129.0 |
| 80 08 08 1105 | | | .3 | 1 | 0.650 | 0.056 | 1.10 | 0.290 | 7.31 | 7.656 | 1.044 | 8.700 | 630 | 22 |
| 80 10 03 1220 | | | .3 | 1 | 0.660 | 0.022 | 1.60 | 0.017 | 13.4 | 13.439 | 1.578 | 15.017 | 642 | 62 |
| 80 11 04 1225 | | | .3 | 1 | 0.625 | 0.004 | 1.550 | 0.002 | 7.300 | 7.306 | 1.546 | 8.852 | 581.0 | 39.0 |
| MAXIMUM | | | | | 1.230 | 12.100 | 26.300 | 1.000 | 13.4 | 14.450 | 14.200 | 28.650 | 1056.0 | 129.0 |
| ARITH MEAN | | | | | 0.712 | 1.881 | 5.39 | 0.308 | 8.0 | 10.227 | 3.509 | 13.738 | 692 | 58 |
| GEOM MEAN | | | | | 0.673 | 0.136 | 2.48 | 0.108 | 6.8 | 9.916 | 2.128 | 12.863 | 676 | 49 |
| MINIMUM | | | | | 0.390 | 0.004 | 1.080 | 0.002 | 1.350 | 7.306 | 0.996 | 8.700 | 517.0 | 22 |
| STD DEV | | | | | 0.271 | 4.512 | 9.28 | 0.341 | 3.6 | 2.791 | 4.804 | 6.916 | 174 | 37 |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 30 1145 | | | .3 | 1 | 607.0 | 980.0 | 143.000 | 7.65 | 7.1 |
| 80 03 19 1115 | | | .3 | 1 | 469.0 | 760.0 | 120.000 | 7.55 | 6.6 |
| 80 05 07 1125 | | | .3 | 1 | 707.0 | 1100.0 | 152.000 | 7.89 | 6.8 |
| 80 06 17 1230 | | | .3 | 1 | 927.0 | 1350.0 | 148.000 | 9.64 | 9.4 |
| 80 08 08 1105 | | | .3 | 1 | 608 | 900 | 120 | 7.97 | 5.26 |
| 80 10 03 1220 | | | .3 | 1 | 580 | 940 | 139.0 | 7.58 | 6.7 |
| 80 11 04 1225 | | | .3 | 1 | 542.0 | 880.0 | 116.000 | 7.67 | 6.8 |
| MAXIMUM | | | | | 927.0 | 1350.0 | 152.000 | 9.64 | 9.4 |
| ARITH MEAN | | | | | 634 | 987 | 134 | 7.99 | 6.9 |
| GEOM MEAN | | | | | 621 | 972 | 133 | 7.97 | 6.8 |
| MINIMUM | | | | | 469.0 | 760.0 | 116.000 | 7.55 | 5.26 |
| STD DEV | | | | | 147 | 190 | 14 | 0.74 | 1.2 |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 | 7 |

B.O.W / SITE: **DON RIVER**
SAMPLE POINT: **BAYVIEW EXIT FROM DON VALLEY PARKWAY**
STATION TYPE: **RIVER FLOW GAUGE FED 02HC024**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **DON RIVER**

STATION ID: **06-0085-013-02**
STORET CODE: **02**
**004**
**4050**

LAT LONG U.T.M: **17 0631740.0 4837425.0 4** REGION **03** DISTANCE: **3.862**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 30 1030 | | | .3 | 1 | 27501 | 0 6 | 1.560 | 10< | 10 | 4< | 4< | 1.0 | 10.5 | 2.8 |
| 80 03 19 1015 | | | .3 | 1 | 27517 | 6 | 11.100 | 220000 | 1100000 | 34000 | 19000 | 3.0 | 12.7 | 15.0 |
| 80 05 07 1015 | | | .3 | 1 | 27533 | 6 | 3.890 | 1080000 | 1900000 | 89000 | 21000 | 13.5 | 8.0 | 12.0 |
| 80 06 17 1115 | | | .3 | 1 | 27549 | 6 | 1.920 | | | | | 15.8 | 8.9 | 4.6 |
| 80 08 08 1000 | | | .3 | 1 | 27565 | 6 | 3.240 | 1900 | 17000 | 20I | 50I | 21.5 | 7.6 | 5.8 |
| 80 10 03 1110 | | | .3 | 1 | 27581 | 6 | 9.370 | 26000 | 89000 | 620 | 2600 | 14.5 | 7.4 | 14 |
| 80 11 04 1125 | | | .3 | 1 | 27597 | 6 | 3.070 | 620000 | 1500000 | 70000 | 32000 | 9.5 | 9.6 | 9.0 |
| MAXIMUM | | | | | | | 11.100 | 1080000 | 1900000 | 89000 | 32000 | 21.5 | 12.7 | 15.0 |
| ARITH MEAN | | | | | | | 4.879 | 324652L | 767668 | 32274L | 12442L | 11.3 | 9.2 | 9 |
| GEOM MEAN | | | | | | | 3.828 | 20433L | 60165 | 1480L | 1371L | 7.9 | 9.1 | 7 |
| MINIMUM | | | | | | | 1.560 | 10< | 10 | 4< | 4< | 1.0 | 7.4 | 2.8 |
| STD DEV | | | | | | | 3.777 | 439883L | 841703 | 39313L | 13445L | 7.3 | 1.9 | 4 |
| NO OF SAMPLES | | | | | | | 7 | 6 | 6 | 6 | 6 | 7 | 7 | 7 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 30 1030 | | | .3 | 1 | 0.519 | 0.280 | 6.000 | 6.490 | 0.070 | 2.030 | 8.100 | 0.490 | 8.590 | 903.0 |
| 80 03 19 1015 | | | .3 | 1 | 1.190 | 0.120 | 2.570 | 10.500 | 0.089 | 1.710 | 4.369 | 7.930 | 12.299 | 704.0 |
| 80 05 07 1015 | | | .3 | 1 | 0.770 | 0.032 | 1.410 | 3.300 | 0.235 | 1.340 | 2.985 | 1.890 | 4.875 | 1818.0 |
| 80 06 17 1115 | | | .3 | 1 | 0.438 | 0.280 | 3.800 | 5.210 | 0.165 | 1.380 | 5.345 | 1.410 | 6.755 | 607.0 |
| 80 08 08 1000 | | | .3 | 1 | 0.423 | 0.250 | 1.87 | 3.98 | 2.95 | 1.30 | 6.120 | 2.110 | 8.230 | 595 |
| 80 10 03 1110 | | | .3 | 1 | 0.650 | 0.370 | 0.68 | 5.77 | 0.019 | 7.38 | 8.079 | 5.090 | 13.169 | 443 |
| 80 11 04 1125 | | | .3 | 1 | 0.580 | 0.094 | 1.180 | 3.150 | 0.400 | 1.550 | 3.130 | 1.970 | 5.100 | 650.0 |
| MAXIMUM | | | | | 1.190 | 0.370 | 6.000 | 10.500 | 2.95 | 7.38 | 8.100 | 7.930 | 13.169 | 1818.0 |
| ARITH MEAN | | | | | 0.653 | 0.204 | 2.50 | 5.48 | 0.56 | 2.38 | 5.447 | 2.984 | 8.431 | 817 |
| GEOM MEAN | | | | | 0.615 | 0.159 | 1.99 | 5.05 | 0.17 | 1.91 | 5.081 | 2.160 | 7.902 | 738 |
| MINIMUM | | | | | 0.423 | 0.032 | 0.68 | 3.150 | 0.019 | 1.30 | 2.985 | 0.490 | 4.875 | 443 |
| STD DEV | | | | | 0.266 | 0.122 | 1.85 | 2.54 | 1.08 | 2.21 | 2.122 | 2.601 | 3.267 | 482 |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 30 1030 | | | .3 | 1 | 55.0 | 848.0 | 1360.0 | 263.000 | 7.97 | 7.3 |
| 80 03 19 1015 | | | .3 | 1 | 198.0 | 506.0 | 840.0 | 168.000 | 7.76 | 6.8 |
| 80 05 07 1015 | | | .3 | 1 | 1230.0 | 588.0 | 950.0 | 168.000 | 7.46 | 6.3 |
| 80 06 17 1115 | | | .3 | 1 | 16.0 | 591.0 | 900.0 | 144.000 | 7.99 | 6.3 |
| 80 08 08 1000 | | | .3 | 1 | 11 | 584 | 950 | 134 | 7.78 | 6.9 |
| 80 10 03 1110 | | | .3 | 1 | 19 | 424 | 720 | 98.0 | 7.16 | 6.8 |
| 80 11 04 1125 | | | .3 | 1 | 137.0 | 513.0 | 860.0 | 136.000 | 7.45 | 7.1 |
| MAXIMUM | | | | | 1230.0 | 848.0 | 1360.0 | 263.000 | 7.99 | 7.3 |
| ARITH MEAN | | | | | 238 | 579 | 940 | 158 | 7.65 | 6.8 |
| GEOM MEAN | | | | | 67 | 567 | 923 | 152 | 7.65 | 6.8 |
| MINIMUM | | | | | 11 | 424 | 720 | 98.0 | 7.16 | 6.3 |
| STD DEV | | | | | 443 | 133 | 201 | 51 | 0.31 | 0.4 |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 | 7 | 7 |

B.O.W./ SITE: **DON RIVER**
SAMPLE POINT: **AT POTTERY ROAD**
STATION TYPE: **RIVER FLOW GAUGE FED 02HC024**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **DON RIVER**

STATION ID **06-0085-014-02**
STORET CODE **02**
**004**
**4050**

LAT: LONG. U T M: **17 0632000.0 4838325.0 4** REGION: **03** DISTANCE **4.506**

| TEST-NAME: | | | | | SAMPLE | FWFLOW | FCMF | PSAMF | PPUT | PPO4FR | NNO3FR | RSP | COND25 | ASUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM FLOW M3 /S | FECAL COLIFORM MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NO3-N FIL.REAC MG/L AS N | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | ARSENIC UNF.TOT. MG/L AS AS |
| 80 01 02 1115 | | | .3 | 1 | 37800 | 3.910 | 10< | 4< | 0.360 | 0.215 | 2.470 | 15.0 | 1240.0 | |
| 80 01 08 1115 | | | .3 | 1 | 37801 | 2.020 | 100 | 36 | 0.480 | 0.350 | 1.890 | 13.0 | 3350.0 | |
| 80 01 14 1100 | | | .3 | 1 | 37802 | 2.760 | 1600 | 80 | 0.390 | 0.075 | 2.140 | 124.0 | 1120.0 | |
| 80 01 17 1015 | | | .3 | 1 | 37803 | 7.320 | 10I | 8 | 0.265 | 0.130 | 1.930 | 52.0 | 1170.0 | |
| 80 01 21 1000 | | | .3 | 1 | 37804 | 2.190 | 10< | 4< | 0.368 | 0.190 | 2.050 | 15.0 | 1160.0 | |
| 80 01 23 1030 | | | .3 | 1 | 37805 | 2.060 | 8 | 4< | 0.555 | 0.205 | 2.330 | 21.0 | 1700.0 | |
| 80 01 29 1100 | | | .3 | 1 | 37806 | 1.720 | 4< | 4< | 0.560 | 0.235 | 2.220 | 11.0 | 1420.0 | |
| 80 02 01 1000 | | | .3 | 1 | 37807 | 1.390 | 4< | 4< | 0.658 | 0.320 | 2.250 | 19.0 | 1220.0 | |
| 80 02 05 1000 | | | .3 | 1 | 37808 | 1.420 | 10< | 4< | 1.940 | 1.650 | 2.120 | 560.0 | 1170.0 | |
| 80 02 07 1000 | | | .3 | 1 | 37809 | 1.430 | 10< | 4< | 0.887 | 0.500 | 2.030 | 12.0 | 1120.0 | |
| 80 02 14 0930 | | | .3 | 1 | 37810 | 1.590 | 20I | 4 | 0.564 | | | 14.0 | 1140.0 | |
| 80 02 25 0945 | | | .3 | 1 | 37811 | 1.970 | 2700 | 156 | 0.930 | | | 28.0 | 1750.0 | |
| 80 03 03 1000 | | | .3 | 1 | 37812 | 1.420 | 690 | 8 | 0.384 | | | 12.0 | 1070.0 | |
| 80 03 17 1030 | | | .3 | 1 | 37813 | 23.000 | 190 | 20I | 0.565 | 0.230 | 1.860 | 49.0 | 2600.0 | |
| 80 03 18 1130 | | | .3 | 1 | 37814 | 19.300 | | | 0.950 | 0.100 | 1.960 | 599.0 | 680.0 | 0.003 |
| 80 03 25 1130 | | | .3 | 1 | 37815 | 7.540 | 3600 | 80I | 0.645 | 0.073 | 2.420 | 289.0 | 1100.0 | |
| 80 03 27 1330 | | | .3 | 1 | 37816 | 4.080 | 100< | 20< | 0.470 | 0.115 | 2.120 | 118.0 | 1130.0 | |
| 80 03 31 1430 | | | .3 | 1 | 37817 | 12.400 | 11500 | 60I | 1.230 | 0.086 | 1.420 | 973.0 | 980.0 | |
| 80 04 08 1000 | | | .3 | 1 | 37818 | 5.300 | 600C | 40C | 0.303 | 0.069 | 2.260 | 159.0 | 1340.0 | |
| 80 04 11 1300 | | | .3 | 1 | 37819 | 6.640 | 80I | 12 | 0.298 | 0.052 | 2.520 | 58.0 | 1090.0 | |
| 80 04 14 1330 | | | .3 | 1 | 37820 | 36.800 | 230 | 16 | 0.268 | 0.074 | 2.430 | 109.0 | 1200.0 | |
| 80 04 23 1100 | | | .3 | 1 | 37821 | 2.860 | 10< | 4< | 0.137 | 0.049 | 2.020 | 9.0 | 1260.0 | |
| 80 04 29 1430 | | | .3 | 1 | 37822 | 14.400 | 70000 | 600> | 0.530 | 0.076 | 1.910 | 65.0 | 750.0 | |
| 80 05 05 1445 | | | .3 | 1 | 37823 | 2.990 | 12 | 20< | 0.232 | 0.110 | 1.460 | 7.0 | 1150.0 | |
| 80 05 12 1500 | | | .3 | 1 | 37824 | 2.160 | 4 | 4< | 0.196 | 0.083 | 1.100 | 6.0 | 1100.0 | |
| 80 05 20 1500 | | | .3 | 1 | 37825 | 2.280 | 20 | 4< | 0.212 | 0.088 | 1.080 | 30.0 | | |
| 80 06 11 1100 | | | .3 | 1 | 37826 | 1.760 | 10< | 4< | 0.425 | 0.140 | 1.600 | 11.0 | 1000.0 | |
| 80 06 19 0930 | | | .3 | 1 | 37827 | 4.660 | | | 0.338 | 0.160 | 1.660 | 8.0 | 1050.0 | |
| 80 06 23 1230 | | | .3 | 1 | 37828 | 1.940 | 96 | 4 | | | | 12.0 | | |
| 80 07 07 1430 | | | .3 | 1 | 37829 | 1.400 | 108 | 4 | 0.480 | 0.294 | 0.132 | 9.0 | 1050.0 | |
| 80 07 14 1400 | | | .3 | 1 | 37830 | 1.420 | 600> | 24 | 0.760 | 0.520 | 1.000 | 9.0 | 1000.0 | |
| 80 07 21 1030 | | | .3 | 1 | 37831 | 10.100 | 2100 | 730 | 1.380 | 0.280 | 0.820 | 1103.0 | 305.0 | |
| 80 07 28 1245 | | | .3 | 1 | 37832 | 8.660 | 6800 | 420 | 1.230 | 0.870 | 1.680 | 166.0 | 900.0 | |
| 80 07 31 1430 | | | .3 | 1 | 37833 | 5.320 | 14000 | 40I | 0.275 | 0.095 | 1.110 | 68.0 | 650.0 | |
| 80 08 12 1400 | | | .3 | 1 | 37834 | 5.220 | 9900 | 1500 | 0.355 | 0.145 | 1.720 | 70.0 | 500.0 | |
| 80 08 18 1330 | | | .3 | 1 | 37835 | 1.580 | 50I | 10< | 0.375 | 0.180 | 0.470 | 7.0 | 950.0 | |
| 80 08 25 1105 | | | .3 | 1 | 37836 | 1.340 | | | 0.435 | 0.255 | 0.550 | 8.0 | 900.0 | |
| 80 08 28 1330 | | | .3 | 1 | 37837 | 5.780 | 15000> | 230 | 0.460 | 0.135 | 2.250 | 89.0 | 600.0 | |
| 80 09 02 1315 | | | .3 | 1 | 37838 | 4.400 | 3300 | 310 | 0.330 | 0.245 | 1.500 | 74.0 | 700.0 | |
| 80 09 12 1315 | | | .3 | 1 | 37839 | 1.380 | 40I | 10< | 0.462 | 0.280 | 1.700 | 8.0 | 890.0 | |
| 80 09 17 1330 | | | .3 | 1 | 37840 | 3.060 | 910000 | 11900 | 1.350 | 0.590 | 5.500 | 139.0 | 720.0 | |
| 80 09 22 1230 | | | .3 | 1 | 37841 | 6.600 | 2000 | 1000 | 0.812 | 0.500 | 2.650 | 11.0 | 930.0 | |
| 80 10 10 1130 | | | .3 | 1 | 37842 | 1.510 | 300I | 170 | 0.260 | 0.260 | 7.740 | 33.0 | 900.0 | |
| 80 10 14 1430 | | | .3 | 1 | 37843 | 1.440 | 1900 | 1300C | 0.808 | 0.390 | 9.030 | 163.0 | 940.0 | |
| 80 10 29 1100 | | | .3 | 1 | 37844 | 2.330 | 320 | 170 | 0.480 | 0.290 | 1.670 | 33.0 | 880.0 | |
| 80 11 10 1000 | | | .3 | 1 | 37845 | 2.300 | 5300 | 440 | 0.452 | 0.250 | 1.760 | 21.0 | 750.0 | |
| 80 11 17 1430 | | | .3 | 1 | 37846 | 1.780 | 1050 | 210 | 0.465 | 0.270 | 2.380 | 17.0 | 1000.0 | |
| 80 11 20 1320 | | | .3 | 1 | 37847 | 1.780 | 440 | 90I | 0.460 | 0.230 | 2.160 | 13.0 | 1420.0 | |
| 80 12 03 1450 | | | .3 | 1 | 37848 | 6.940 | 27000 | 590 | 0.470 | 0.071 | 1.600 | 140.0 | 970.0 | |
| 80 12 12 1200 | | | .3 | 1 | 37849 | 3.680 | 15000 | 470 | 0.335 | 0.160 | 2.070 | 47.0 | | |
| **MAXIMUM** | | | | | | **36.800** | **910000>** | **11900>** | **1.940** | **1.650** | **9.030** | **1103.0** | **3350.0** | **0.003** |
| **ARITH MEAN** | | | | | | **5.147** | **235508** | **4438** | **0.563** | **0.254** | **2.147** | **112.5** | **1106.7** | **0.003** |
| **GEOM MEAN** | | | | | | **3.365** | **3128** | **418** | **0.481** | **0.185** | **1.781** | **37.2** | **1028.8** | |
| **MINIMUM** | | | | | | **1.340** | **4<** | **4<** | **0.137** | **0.049** | **0.132** | **6.0** | **305.0** | **0.003** |
| **STD DEV** | | | | | | **6.440** | **1325888** | **17418** | **0.359** | **0.267** | **1.584** | **225.5** | **488.4** | |
| **NO OF SAMPLES** | | | | | | **50** | **47** | **47** | **49** | **46** | **46** | **50** | **47** | **1** |

| TEST-NAME: | | | | | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT | P1PCBT | X3PCPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | PCB TOTAL UG/L | PENTACHL PHENOL UG/L |
| 80 01 02 1115 | | | .3 | 1 | 0.030 | | 0.010 | 0.030< | 0.005 < | | | | 0.020 | 0.110 |
| 80 01 08 1115 | | | .3 | 1 | 0.040 | | 0.010< | 0.030< | 0.005 < | | | | 0.020R | 0.090 |
| 80 01 14 1100 | | | .3 | 1 | 0.070 | | 0.020 | 0.030< | 0.010 | | | | 0.080 | 0.027 |
| 80 01 17 1015 | | | .3 | 1 | 0.020 | | 0.020 | 0.030< | 0.005 < | | | | 0.040 | 0.380 |
| 80 01 21 1000 | | | .3 | 1 | 0.040 | | 0.010 | 0.030< | 0.005 < | | | | 0.130 | 0.310 |
| 80 01 23 1030 | | | .3 | 1 | 0.050 | | 0.020 | 0.030< | 0.005 < | | | | 0.030 | 0.130 |
| 80 01 29 1100 | | | .3 | 1 | 0.050 | | 0.010< | 0.030< | 0.005 < | | | | 0.020R | 0.160 |
| 80 02 01 1000 | | | .3 | 1 | 0.030< | | 0.010 | 0.030< | 0.005 < | | | | 0.040 | |
| 80 02 05 1000 | | | .3 | 1 | 0.030 | | 0.010< | 0.030< | 0.005 < | | | | | |
| 80 02 07 1000 | | | .3 | 1 | | | | | | | | | 0.050 | 0.050R |
| 80 02 14 0930 | | | .3 | 1 | 0.030 | | | 0.030< | 0.005 < | | | | | |
| 80 02 25 0945 | | | .3 | 1 | 0.020 | | | 0.030< | 0.005 < | | | | 0.030 | |
| 80 03 03 1000 | | | .3 | 1 | 0.110 | | | 0.030< | 0.005 < | | | | 0.030 | |
| 80 03 17 1030 | | | .3 | 1 | 0.020< | | 0.020 | 0.030< | 0.005 < | | | | 0.030 | |
| 80 03 18 1130 | | | .3 | 1 | 0.070 | 0.040 | 0.030 | 0.080 | 0.005 < | 0.150 | 0.030 | 0.020< | 0.090 | |
| 80 03 25 1130 | | | .3 | 1 | 0.050 | | 0.010 | 0.050 | 0.005 < | | | | 0.020R | |
| 80 03 27 1330 | | | .3 | 1 | 0.060 | | 0.020 | 0.060 | 0.005 < | | | | 0.020 | |
| 80 03 31 1430 | | | .3 | 1 | 0.110 | | 0.050 | 0.180 | 0.005 < | | | | 0.570 | |
| 80 04 08 1000 | | | .3 | 1 | 0.020< | | 0.010< | 0.030< | 0.005 < | | | | 0.020 | |
| 80 04 11 1300 | | | .3 | 1 | 0.020< | | | | | | | | 0.020R | |
| 80 04 14 1330 | | | .3 | 1 | 0.020< | | 0.010 | 0.030< | 0.005 < | | | | 0.020R | |
| 80 04 23 1100 | | | .3 | 1 | 0.040 | | 0.020 | 0.030< | 0.005 < | | | | 0.020R | |
| 80 04 29 1430 | | | .3 | 1 | 0.040 | | 0.020 | 0.030< | 0.005 < | | | | 0.150 | |
| 80 05 05 1445 | | | .3 | 1 | 0.030 | | 0.010< | 0.030< | 0.005 < | | | | 0.020R | |
| 80 05 12 1500 | | | .3 | 1 | 0.020< | | 0.010< | 0.030< | 0.005 < | | | | 0.020R | |
| 80 05 20 1500 | | | .3 | 1 | 0.020 | | 0.020 | 0.030< | 0.005 < | | | | | 0.050R |
| 80 06 11 1100 | | | .3 | 1 | 0.040 | | 0.010< | 0.030< | 0.005 < | | | | 0.020R | |
| 80 06 19 0930 | | | .3 | 1 | 0.020< | | 0.020 | 0.030< | 0.005 < | | | | 0.020R | |
| 80 06 23 1230 | | | .3 | 1 | 0.040< | | 0.010< | 0.040 | 0.005 < | | | | 0.020R | |
| 80 07 07 1430 | | | .3 | 1 | 0.030< | | 0.010 | 0.030< | 0.005 < | | | | 0.020R | |
| 80 07 14 1400 | | | .3 | 1 | 0.030 | | 0.010< | 0.030< | 0.005 < | | | | 0.020R | |
| 80 07 21 1030 | | | .3 | 1 | 0.130 | | 0.060 | 0.180 | 0.005 < | | | | 0.103 | 0.050R |
| 80 07 28 1245 | | | .3 | 1 | | | 0.020 | 0.030 | 0.005 < | | | | 0.055 | 0.050R |
| 80 07 31 1430 | | | .3 | 1 | 0.060 | | 0.010 | 0.030< | 0.010 < | | | | 0.020R | 0.050R |
| 80 08 12 1400 | | | .3 | 1 | 0.040< | | 0.009 | 0.014 | 0.0001< | | | | 0.020R | 0.050R |
| 80 08 18 1330 | | | .3 | 1 | 0.040< | | 0.006 | 0.003 | 0.0002< | | | | 0.020R | 0.050 |
| 80 08 25 1105 | | | .3 | 1 | 0.040< | | 0.001< | 0.003< | 0.0002< | | | | 0.020R | 0.050R |

(CONTD)

| TEST-NAME: | | | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT | P1PCBT | X3PCPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 08 28 1330 | .3 | 1 | 0.040< | | 0.019 | 0.050 | 0.001 < | | | | 0.020R | |
| 80 09 02 1315 | .3 | 1 | 0.040< | | 0.008 | 0.020 | 0.0002< | | | | 0.020R | 0.320 |
| 80 09 12 1315 | .3 | 1 | 0.040< | | 0.008 | 0.006 | 0.0002< | | | | 0.020R | |
| 80 09 17 1330 | .3 | 1 | 0.110 | | 0.036 | 0.050 | 0.0004 | | | | 0.150 | |
| 80 09 22 1230 | .3 | 1 | 0.040< | | 0.009 | 0.003< | 0.0002< | | | | 0.030 | 0.050R |
| 80 10 10 1130 | .3 | 1 | 0.040< | | 0.032 | 0.003< | 0.0002< | | | | 0.020R | 0.720 |
| 80 10 14 1430 | .3 | 1 | 0.040< | | 0.008 | 0.009 | 0.0009 | | | | 0.020R | 0.650 |
| 80 10 29 1100 | .3 | 1 | 0.030< | | 0.013 | 0.044 | 0.0009 | | | | 0.020R | |
| 80 11 10 1000 | .3 | 1 | 0.040< | | 0.009 | 0.009 | 0.0002< | | | | 0.020R | |
| 80 11 17 1430 | .3 | 1 | 0.040 | | 0.011 | 0.009 | 0.0005 | | | | 0.020 | |
| 80 11 20 1320 | .3 | 1 | 0.050 | | 0.010 | 0.010 | 0.0003 | | | | 0.020R | |
| 80 12 03 1450 | .3 | 1 | 0.070 | | 0.019 | 0.030 | 0.0009 | | | | 0.020 | |
| 80 12 12 1200 | .3 | 1 | 0.040< | | 0.015 | 0.010 | 0.0002< | | | | | |
| MAXIMUM | | | 0.130 | 0.040 | 0.060 | 0.180 | 0.010 | 0.150 | 0.030 | 0.020 | | 0.720 |
| ARITH MEAN | | | 0.044L | 0.040 | 0.016L | 0.034L | 0.003 L | 0.150 | 0.030 | 0.020L | | 0.176B |
| GEOM MEAN | | | 0.039L | | 0.013L | 0.024L | 0.002 L | | | | | 0.103B |
| MINIMUM | | | 0.020< | 0.040 | 0.001< | 0.003< | 0.0001< | 0.150 | 0.030 | 0.020< | | 0.027 |
| STD DEV | | | 0.025L | | 0.011L | 0.034L | 0.002 L | | | | | 0.208B |
| NO OF SAMPLES | | | 48 | 1 | 45 | 48 | 48 | 1 | 1 | 1 | | 19 |

| TEST-NAME: | | | | P3245T |
|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | 2,4,5-T UG/L |
| 80 01 02 1115 | | .3 | 1 | 0.050R |
| 80 01 08 1115 | | .3 | 1 | 0.110 |
| 80 01 14 1100 | | .3 | 1 | 0.050R |
| 80 01 17 1015 | | .3 | 1 | 0.050R |
| 80 01 21 1000 | | .3 | 1 | 0.050R |
| 80 01 23 1030 | | .3 | 1 | 0.050R |
| 80 01 29 1100 | | .3 | 1 | 0.050R |
| 80 02 07 1000 | | .3 | 1 | 0.050R |
| 80 05 20 1500 | | .3 | 1 | 0.070 |
| 80 07 21 1030 | | .3 | 1 | 0.050R |
| 80 07 28 1245 | | .3 | 1 | 0.050R |
| 80 07 31 1430 | | .3 | 1 | 0.050R |
| 80 08 12 1400 | | .3 | 1 | 0.050R |
| 80 08 18 1330 | | .3 | 1 | 0.050 |
| 80 08 25 1105 | | .3 | 1 | 0.050R |
| 80 09 02 1315 | | .3 | 1 | 0.050R |
| 80 09 22 1230 | | .3 | 1 | 0.050R |
| 80 10 10 1130 | | .3 | 1 | 0.050R |
| 80 10 14 1430 | | .3 | 1 | 0.050R |
| MAXIMUM | | | | 0.110 |
| ARITH MEAN | | | | 0.054B |
| GEOM MEAN | | | | 0.053B |
| MINIMUM | | | | 0.050 |
| STD DEV | | | | 0.014B |
| NO OF SAMPLES | | | | 19 |

B.O.W./ SITE: **HIGHLAND CREEK**
SAMPLE POINT: **HIGHLAND CREEK PARK WEST HILL**
STATION TYPE: **RIVER FLOW GAUGE FED 02HC013**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **HIGHLAND CREEK**

STATION ID: **06-0094-002-02**
STORET CODE: **02**
**004**
**3910**

LAT: LONG: U T M: **17 0647400.0 4848825.0 4** REGION: **03** DISTANCE: **2.575**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 30 0930 | | .3 | 1 | 27500 | 6 | 0.305 | 4400 | 5000 | 300I | 300I | 0.5 | 11.8 | 0.4 |
| 80 03 19 0930 | | .3 | 1 | 27516 | 6 | 6.000 | 9900C | 150000 | 860 | 3000> | 2.0 | 13.2 | 7.8 |
| 80 05 07 0945 | | .3 | 1 | 27532 | 6 | 1.980 | 64000C | 360000 | 6800 | 15000> | 12.0 | 8.9 | 14.0 |
| 80 06 17 1030 | | .3 | 1 | 27548 | 6 | 0.539 | | | | | 14.3 | 9.6 | 0.8 |
| 80 08 08 0910 | | .3 | 1 | 27564 | 6 | 1.140 | 1300 | 3900 | 30I | 80I | 20.0 | 9.2 | 0.8 |
| 80 10 03 1020 | | .3 | 1 | 27580 | 5 | 3.320 | 32000 | 50000 | 5900 | 1140 | 11.0 | 8.8 | 1.6 |
| 80 11 04 1015 | | .3 | 1 | 27596 | 5 | 1.530 | 108000C | 250000 | 26000 | 13000 | 9.0 | 10.0 | 6.0 |
| MAXIMUM | | | | | | 6.000 | 108000 | 360000 | 26000 | 15000> | 20.0 | 13.2 | 14.0 |
| ARITH MEAN | | | | | | 2.116 | 36600 | 136483 | 6648 | 5420G | 9.8 | 10.2 | 4.5 |
| GEOM MEAN | | | | | | 1.414 | 15239 | 48591 | 1416 | 1587G | 6.2 | 10.1 | 2.2 |
| MINIMUM | | | | | | 0.305 | 1300 | 3900 | 30 | 80 | 0.5 | 8.8 | 0.4 |
| STD DEV | | | | | | 1.984 | 42109 | 145172 | 9927 | 6756G | 6.8 | 1.7 | 5.1 |
| NO OF SAMPLES | | | | | | 7 | 6 | 6 | 6 | 6 | 7 | 7 | 7 |

| TEST-NAME: | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 30 0930 | | .3 | 1 | 0.074 | 0.015 | 0.280 | 0.890 | 0.034 | 1.470 | 1.784 | 0.610 | 2.394 | 1147.0 |
| 80 03 19 0930 | | .3 | 1 | 0.750 | 0.170 | 0.650 | 4.500 | 0.076 | 1.020 | 1.746 | 3.850 | 5.596 | 656.0 |
| 80 05 07 0945 | | .3 | 1 | 0.250 | 0.002 | 0.292 | 1.650 | 0.071 | 1.520 | 1.883 | 1.358 | 3.241 | 773.0 |
| 80 06 17 1030 | | .3 | 1 | 0.041 | 0.013 | 0.102 | 0.560 | 0.028 | 0.970 | 1.100 | 0.458 | 1.558 | 708.0 |
| 80 08 08 0910 | | .3 | 1 | 0.020 | 0.003 | 0.024 | 0.49 | 0.015 | 1.96 | 1.999 | 0.466 | 2.465 | 695 |
| 80 10 03 1020 | | .3 | 1 | 0.035 | 0.010 | 0.016 | 0.50 | 0.034 | 0.721 | 0.771 | 0.484 | 1.255 | 368 |
| 80 11 04 1015 | | .3 | 1 | 0.460 | 0.005 | 0.420 | 1.450 | 0.052 | 1.000 | 1.472 | 1.030 | 2.502 | 797.0 |
| MAXIMUM | | | | 0.750 | 0.170 | 0.650 | 4.500 | 0.076 | 1.96 | 1.999 | 3.850 | 5.596 | 1147.0 |
| ARITH MEAN | | | | 0.233 | 0.031 | 0.255 | 1.43 | 0.044 | 1.23 | 1.536 | 1.179 | 2.716 | 734 |
| GEOM MEAN | | | | 0.106 | 0.010 | 0.136 | 1.04 | 0.039 | 1.17 | 1.467 | 0.867 | 2.446 | 701 |
| MINIMUM | | | | 0.020 | 0.002 | 0.016 | 0.49 | 0.016 | 0.721 | 0.771 | 0.458 | 1.255 | 368 |
| STD DEV | | | | 0.279 | 0.061 | 0.231 | 1.43 | 0.023 | 0.42 | 0.451 | 1.226 | 1.429 | 230 |
| NO OF SAMPLES | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

(CONTD)

B.O.W./ SITE: **HIGHLAND CREEK**
SAMPLE POINT: **HIGHLAND CREEK PARK WEST HILL**
STATION TYPE: **RIVER FLOW GAUGE FED 02HC013**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **HIGHLAND CREEK**

STATION ID: **06-0094-002-02**
STORET CODE: **02**
**004**
**3010**

LAT: LONG: U T M: **17 0647400.0 4848825.0 4** REGION: **03** DISTANCE: **2.575**

| TEST-NAME: | | | | | RSP | COND25 | TURB | CLIDUR | PH | FWPH | ASUT | ALUT | CRUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU |
| 80 01 30 0930 | | | .3 | 1 | 30.0 | 1750.0 | 5.60 | 375.000 | 8.06 | 7.6 | | | | |
| 80 03 19 0930 | | | .3 | 1 | 36.0 | 1060.0 | 47.00 | 233.000 | 7.73 | 6.9 | | | | |
| 80 05 07 0945 | | | .3 | 1 | 226.0 | 850.0 | 65.00 | 148.000 | 7.60 | 6.5 | | | | |
| 80 06 17 1030 | | | .3 | 1 | 10.0 | 950.0 | 5.70 | 150.000 | 8.28 | 6.8 | 0.001 | 0.300 | 0.010< | 0.010< |
| 80 08 08 0910 | | | .3 | 1 | 5 | 1000 | 2.4 | 170 | 8.09 | 7.3 | | | | |
| 80 10 03 1020 | | | .3 | 1 | 7 | 620 | 5.1 | 83.0 | 7.92 | 7.2 | | | | |
| 80 11 04 1015 | | | .3 | 1 | 358.0 | 740.0 | 90.00 | 127.000 | 7.53 | 7.1 | 0.002 | 1.2 | 0.014 | 0.014 |
| **MAXIMUM** | | | | | **358.0** | **1750.0** | **90.00** | **375.000** | **8.28** | **7.6** | **0.002** | **1.2** | **0.014** | **0.014** |
| **ARITH MEAN** | | | | | **96** | **995** | **31.5** | **183** | **7.89** | **7.1** | **0.001** | **0.7** | **0.012L** | **0.012L** |
| **GEOM MEAN** | | | | | **31** | **947** | **14.0** | **166** | **7.88** | **7.0** | **0.001** | **0.6** | **0.012L** | **0.012L** |
| **MINIMUM** | | | | | **5** | **620** | **2.4** | **83.0** | **7.53** | **6.5** | **0.001** | **0.300** | **0.010<** | **0.010<** |
| **STD DEV** | | | | | **139** | **365** | **35.7** | **95** | **0.28** | **0.4** | **0.001** | **0.6** | **0.003L** | **0.003L** |
| NO OF SAMPLES | | | | | **7** | **7** | **7** | **7** | **7** | **7** | **2** | **2** | **2** | **2** |

| TEST-NAME: | | | | | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 06 17 1030 | | | .3 | 1 | 0.030< | 0.005 < | 0.060 | 0.020< | 0.020 < |
| 80 11 04 1015 | | | .3 | 1 | 0.047 | 0.0006 | 0.11 | 0.006 | 0.0005< |
| **MAXIMUM** | | | | | **0.047** | **0.005** | **0.11** | **0.020** | **0.020** |
| **ARITH MEAN** | | | | | **0.038L** | **0.002 L** | **0.08** | **0.013L** | **0.010 L** |
| **GEOM MEAN** | | | | | **0.038L** | **0.001 L** | **0.08** | **0.011L** | **0.003 L** |
| **MINIMUM** | | | | | **0.030<** | **0.0006<** | **0.060** | **0.006<** | **0.0005<** |
| **STD DEV** | | | | | **0.012L** | **0.003 L** | **0.03** | **0.010L** | **0.013 L** |
| NO OF SAMPLES | | | | | **2** | **2** | **2** | **2** | **2** |

B.O.W./ SITE: **ROUGE RIVER**
SAMPLE POINT: **HIGHWAY 48 MARKHAM**
STATION TYPE: **RIVER FLOW GAUGE FED 02HC022**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **ROUGE RIVER**

STATION ID: **06-0097-002-02**
STORET CODE: **02**
**004**
**3880**

LAT: LONG: U T M: **17 0639875.0 4858525.0 4** REGION: **03** DISTANCE: **20.277**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 14 1250 | | | .3 | 1 | 22034 | 6 | 2.110 | 17000 | 100000 | 400I | 700 | 1.0 | 10.1 | 1.4 |
| 80 02 18 1315 | | | .3 | 1 | 22106 | 4 | 0.440 | 1000I | 4000 | 60I | 80I | 0.0 | 10.1 | 0.6 |
| 80 03 17 1320 | | | .3 | 1 | 22153 | 6 | 3.130 | 5400 | 5900 | 80I | 80I | 1.4 | 10.8 | 1.2 |
| 80 04 14 1455 | | | .3 | 1 | 22205 | 6 | 9.310 | 3800 | 13000 | 180I | 920 | 4.9 | 12.1 | 1.6 |
| 80 05 20 1530 | | | .3 | 1 | 22255 | 6 | 1.090 | 1700 | 8000 | 50I | 20< | 19.1 | 10.7 | 1.4 |
| 80 06 23 1430 | | | .3 | 1 | 22304 | 6 | 0.403 | 700I | 17900 | 40I | 50I | 25.0 | 8.9 | 1.2 |
| 80 07 24 1330 | | | .3 | 1 | 22386 | 6 | 0.658 | | | | | 23.2 | 6.7 | 2.2 |
| 80 08 12 1415 | | | .3 | 1 | 22405 | 6 | 0.671 | 1000C | 43000 | 140I | 320 | 23.9 | 8.9 | 1.8 |
| 80 09 23 1420 | | | .3 | 1 | 22455 | 6 | 1.210 | 2300C | 34000 | 240 | 220 | 17.9 | 8.8 | 2.6 |
| 80 10 20 1430 | | | .3 | 1 | 22505 | 6 | 0.923 | 66000 | 62000 | 300 | 720 | 9.1 | 10.6 | |
| 80 11 27 1420 | | | .3 | 1 | 22577 | 6 | 0.770 | | | | | 1.9 | 10.0 | 0.4 |
| 80 12 18 1500 | | | .3 | 1 | 22633 | 8 | 0.895 | 19000 | 28000 | 220 | 200 | | | 1.9 |
| **MAXIMUM** | | | | | | | **9.310** | **66000** | **100000** | **400** | **920** | **25.0** | **12.1** | **2.6** |
| **ARITH MEAN** | | | | | | | **1.801** | **11790** | **31580** | **171** | **331L** | **11.6** | **9.8** | **1.5** |
| **GEOM MEAN** | | | | | | | **1.123** | **4053** | **20171** | **131** | **183L** | **6.2** | **9.7** | **1.3** |
| **MINIMUM** | | | | | | | **0.403** | **700** | **4000** | **40** | **20<** | **0.0** | **6.7** | **0.4** |
| **STD DEV** | | | | | | | **2.489** | **20194** | **30303** | **120** | **328L** | **10.3** | **1.4** | **0.6** |
| NO OF SAMPLES | | | | | | | **12** | **10** | **10** | **10** | **10** | **11** | **11** | **11** |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 14 1250 | | | .3 | 1 | 0.163 | 0.035 | 0.188 | 0.880 | 0.034 | 2.520 | 2.742 | 0.692 | 3.434 | 467.0 |
| 80 02 18 1315 | | | .3 | 1 | 0.069 | 0.034 | 0.238 | 0.550 | 0.041 | 2.290 | 2.569 | 0.312 | 2.881 | 414.0 |
| 80 03 17 1320 | | | .3 | 1 | 0.096 | 0.036 | 0.176 | 0.720 | 0.042 | 2.410 | 2.628 | 0.544 | 3.172 | 690.0 |
| 80 04 14 1455 | | | .3 | 1 | 0.185 | 0.042 | 0.060 | 0.900 | 0.026 | 2.320 | 2.406 | 0.840 | 3.246 | 557.0 |
| 80 05 20 1530 | | | .3 | 1 | 0.033 | 0.001 | 0.014 | 0.550 | 0.013 | 0.402 | 0.429 | 0.536 | 0.965 | |
| 80 06 23 1430 | | | .3 | 1 | 0.035 | 0.001 | 0.070 | 0.540 | 0.014 | 0.991 | 1.075 | 0.470 | 1.545 | 354.0 |
| 80 07 24 1330 | | | .3 | 1 | 0.101 | 0.022 | 0.104 | 0.850 | 0.047 | 0.423 | 0.574 | 0.746 | 1.320 | 313.0 |
| 80 08 12 1415 | | | .3 | 1 | 0.077 | 0.003 | 0.016 | 0.86 | 0.031 | 0.389 | 0.436 | 0.844 | 1.280 | 405 |
| 80 09 23 1420 | | | .3 | 1 | 0.090 | 0.023 | 0.130 | 0.75 | 0.015 | 0.210 | 0.355 | 0.620 | 0.975 | 364 |
| 80 11 27 1420 | | | .3 | 1 | 0.025 | 0.003 | 0.062 | 0.430 | 0.013 | 1.290 | 1.365 | 0.368 | 1.733 | 449.0 |
| 80 12 18 1500 | | | .3 | 1 | 0.078 | 0.008 | 0.142 | 0.680 | 0.018 | 2.480 | 2.640 | 0.538 | 3.178 | 609.0 |
| **MAXIMUM** | | | | | **0.185** | **0.042** | **0.238** | **0.900** | **0.047** | **2.520** | **2.742** | **0.844** | **3.434** | **690.0** |
| **ARITH MEAN** | | | | | **0.087** | **0.019** | **0.109** | **0.70** | **0.027** | **1.430** | **1.565** | **0.592** | **2.157** | **462** |
| **GEOM MEAN** | | | | | **0.073** | **0.010** | **0.080** | **0.68** | **0.024** | **1.032** | **1.187** | **0.566** | **1.929** | **4+8** |
| **MINIMUM** | | | | | **0.025** | **0.001** | **0.014** | **0.430** | **0.013** | **0.210** | **0.355** | **0.312** | **0.965** | **313.0** |
| **STD DEV** | | | | | **0.051** | **0.016** | **0.073** | **0.16** | **0.013** | **0.982** | **1.033** | **0.176** | **1.013** | **121** |
| NO OF SAMPLES | | | | | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **10** |

(CONTD)

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RSP RESIDUE PARTIC. MG/L | RSF RESIDUE FILTERED MG/L | COND25 CONDUCT. 25C UMHO/CM AT 25 C | CLIDUR CHLORIDE UNF.REAC MG/L AS CL | PH PH | FWPH PH FIELD |
|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 14 1250 | | | .3 | 1 | 55.0 | 412.0 | 650.0 | 46.500 | 7.85 | 7.5 |
| 80 02 18 1315 | | | .3 | 1 | 10.0 | 404.0 | 710.0 | 60.000 | 7.94 | 7.8 |
| 80 03 17 1320 | | | .3 | 1 | 19.0 | 671.0 | 1150.0 | 215.000 | 8.00 | 7.7 |
| 80 04 14 1455 | | | .3 | 1 | 108.0 | 449.0 | 660.0 | 46.000 | 8.24 | 7.6 |
| 80 05 20 1530 | | | .3 | 1 | 14.0 | 389.0 | 600.0 | 51.000 | 8.06 | 7.7 |
| 80 06 23 1430 | | | .3 | 1 | 10.0 | 344.0 | 500.0 | 47.000 | 8.31 | 8.0 |
| 80 07 24 1330 | | | .3 | 1 | 11.0 | 302.0 | 475.0 | 37.000 | 8.05 | 7.8 |
| 80 08 12 1415 | | | .3 | 1 | 15 | 390 | 600 | 44.0 | 8.28 | 8.0 |
| 80 09 23 1420 | | | .3 | 1 | 46 | 318 | 600 | 41.5 | 8.18 | 7.7 |
| 80 10 20 1430 | | | .3 | 1 | | | | | | 8.0 |
| 80 11 27 1420 | | | .3 | 1 | 15.0 | 434.0 | 710.0 | 48.500 | 8.21 | 7.8 |
| 80 12 18 1500 | | | .3 | 1 | 51.0 | 558.0 | 880.0 | 88.000 | 7.85 | |
| MAXIMUM | | | | | 108.0 | 671.0 | 1150.0 | 215.000 | 8.31 | 8.0 |
| ARITH MEAN | | | | | 32 | 424 | 685 | 65.8 | 8.09 | 7.8 |
| GEOM MEAN | | | | | 22 | 413 | 664 | 56.5 | 8.09 | 7.8 |
| MINIMUM | | | | | 10.0 | 302.0 | 475.0 | 37.000 | 7.85 | 7.5 |
| STD DEV | | | | | 30 | 107 | 189 | 51.3 | 0.17 | 0.2 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 |

B.O.W./SITE: **ROUGE RIVER**
SAMPLE POINT: **BOX GROVE,TOWN OF MARKHAM**
STATION TYPE: **RIVER FLOW GAUGE FED 02HC022**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ONTARIO**
TERM STREAM: **ROUGE RIVER**

STATION ID: **06-0097-003-02**
STORET CODE **02**
**004**
**3880**

LAT:
LONG:
U T M: **17 0641950.0 4857450.0 4**
REGION: **03**
DISTANCE: **17.220**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE SAMPLE NUMBER | FWSTRC STREAM COND. | FWFLOW STREAM FLOW M3 /S | TCMF COLIFORM TOTAL MF CNT /100ML | TCMFBK COLIFORM TOTAL MF BCKGRD CNT /100ML | FCMF FECAL COLIFORM MF CNT /100ML | FSMF FECAL STREPCUS MF CNT /100ML | FWTEMP WATER TEMP DEG.C | DO DISOLVED OXYGEN MG/L AS O | BOD5 BOD 5 DAY TOT.DEM. MG/L AS O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 14 1310 | | | .3 | 1 | 22035 | 6 | 2.110 | 14900C | 38000 | 120 | 150 | 1.2 | 11.3 | 2.0 |
| 80 02 18 1345 | | | .3 | 1 | 22107 | 4 | 0.440 | 2400 | 3100 | 10I | 30I | 0.0 | 10.1 | 1.0 |
| 80 03 17 1340 | | | .3 | 1 | 22154 | 6 9 | 3.130 | 10< | 10< | 10< | 10< | 1.2 | 9.9 | 1.0 |
| 80 04 14 1510 | | | .3 | 1 | 22206 | 6 | 9.310 | 7100 | 10000 | 1000 | 270 | 5.2 | 11.8 | 1.4 |
| 80 05 20 1545 | | | .3 | 1 | 22256 | 6 | 1.090 | 200I | 3400 | 10I | 20I | 20.6 | 14.6 | 1.4 |
| 80 06 23 1500 | | | .3 | 1 | 22306 | 6 | 0.403 | 280C | 11000 | 76 | 100 | 25.9 | 10.0 | 1.2 |
| 80 07 24 1345 | | | .3 | 1 | 22387 | 6 | 0.658 | | | | | 24.0 | 7.9 | 2.2 |
| 80 08 12 1430 | | | .3 | 1 | 22406 | 6 | 0.671 | 23000C | 410000 | 1240 | 1620 | 23.8 | 9.5 | 1.4 |
| 80 09 23 1435 | | | .3 | 1 | 22456 | 6 | 1.210 | 2700 | 25000 | 480 | 380 | 18.6 | 10.0 | 2.2 |
| 80 10 20 1445 | | | .3 | 1 | 22506 | 6 | 0.923 | 21000 | 44000 | 140I | 240 | 9.1 | 12.2 | |
| 80 11 27 1500 | | | .3 | 1 | 22578 | 6 | 0.770 | | | | | 1.1 | 9.5 | 0.4 |
| 80 12 18 1515 | | | .3 | 1 | 22634 | 8 | 0.895 | 9000I | 24000 | 60I | 200 | | | 1.1 |
| MAXIMUM | | | | | | | 9.310 | 23000 | 410000 | 1240 | 1620 | 25.9 | 14.6 | 2.2 |
| ARITH MEAN | | | | | | | 1.801 | 8059L | 56851L | 315L | 302L | 11.9 | 10.6 | 1.4 |
| GEOM MEAN | | | | | | | 1.123 | 2100L | 9286L | 92L | 122L | 6.1 | 10.5 | 1.3 |
| MINIMUM | | | | | | | 0.403 | 10< | 10< | 10< | 10< | 0.0 | 7.9 | 0.4 |
| STD DEV | | | | | | | 2.489 | 8738L | 124990L | 450L | 479L | 10.7 | 1.8 | 0.6 |
| NO OF SAMPLES | | | | | | | 12 | 10 | 10 | 10 | 10 | 11 | 11 | 11 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PPUT PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR PO4 FIL.REAC MG/L AS P | NNHTFR NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR NO2-N FIL.REAC MG/L AS N | NNO3FR NO3-N FIL.REAC MG/L AS N | NNTIFR ORG N TOTAL FIL.REAC MG/L | NNKUR KJELDAHL ORGANIC UNF.REAC MG/L | NNKI TOTAL N MG/L AS N | RST RESIDUE TOTAL MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 14 1310 | | | .3 | 1 | 0.215 | 0.110 | 0.192 | 0.950 | 0.038 | 3.460 | 3.690 | 0.758 | 4.448 | 463.0 |
| 80 02 18 1345 | | | .3 | 1 | 0.151 | 0.106 | 0.590 | 0.940 | 0.069 | 3.740 | 4.399 | 0.350 | 4.749 | 462.0 |
| 80 03 17 1340 | | | .3 | 1 | 0.105 | 0.047 | 0.840 | 1.420 | 0.048 | 2.700 | 3.588 | 0.580 | 4.168 | 591.0 |
| 80 04 14 1510 | | | .3 | 1 | 0.113 | 0.036 | 0.284 | 1.080 | 0.038 | 2.560 | 2.882 | 0.796 | 3.678 | 495.0 |
| 80 05 20 1545 | | | .3 | 1 | 0.031 | 0.001 | 0.012 | 0.550 | 0.016 | 0.194 | 0.222 | 0.538 | 0.760 | |
| 80 06 23 1500 | | | .3 | 1 | 0.058 | 0.002 | 0.022 | 0.570 | 0.013 | 0.122 | 0.157 | 0.548 | 0.705 | 382.0 |
| 80 07 24 1345 | | | .3 | 1 | 0.083 | 0.009 | 0.046 | 0.720 | 0.035 | 0.393 | 0.474 | 0.674 | 1.148 | 347.0 |
| 80 08 12 1430 | | | .3 | 1 | 0.060 | 0.003 | 0.006 | 0.58 | 0.021 | 0.439 | 0.466 | 0.574 | 1.040 | 324 |
| 80 09 23 1435 | | | .3 | 1 | 0.080 | 0.013 | 0.102 | 0.68 | 0.013 | 0.186 | 0.301 | 0.578 | 0.879 | 347 |
| 80 11 27 1500 | | | .3 | 1 | 0.018 | 0.002 | 0.026 | 0.400 | 0.012 | 1.240 | 1.278 | 0.374 | 1.652 | 434.0 |
| 80 12 18 1515 | | | .3 | 1 | 0.015 | 0.004 | 0.092 | 0.420 | 0.015 | 2.630 | 2.737 | 0.328 | 3.065 | 557.0 |
| MAXIMUM | | | | | 0.215 | 0.110 | 0.840 | 1.420 | 0.069 | 3.740 | 4.399 | 0.796 | 4.749 | 591.0 |
| ARITH MEAN | | | | | 0.084 | 0.030 | 0.201 | 0.75 | 0.029 | 1.606 | 1.836 | 0.554 | 2.390 | 440 |
| GEOM MEAN | | | | | 0.064 | 0.010 | 0.076 | 0.70 | 0.024 | 0.872 | 1.028 | 0.533 | 1.860 | 431 |
| MINIMUM | | | | | 0.015 | 0.001 | 0.006 | 0.400 | 0.012 | 0.122 | 0.157 | 0.328 | 0.705 | 324 |
| STD DEV | | | | | 0.060 | 0.041 | 0.274 | 0.31 | 0.018 | 1.426 | 1.637 | 0.155 | 1.636 | 91 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 10 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RSP RESIDUE PARTIC. MG/L | RSF RESIDUE FILTERED MG/L | COND25 CONDUCT. 25C UMHO/CM AT 25 C | CLIDUR CHLORIDE UNF REAC MG/L AS CL | PH PH | FWPH PH FIELD |
|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 14 1310 | | | .3 | 1 | 42.0 | 421.0 | 670.0 | 53.000 | 7.83 | 7.7 |
| 80 02 18 1345 | | | .3 | 1 | 7.0 | 455.0 | 790.0 | 90.000 | 8.02 | 7.8 |
| 80 03 17 1340 | | | .3 | 1 | 13.0 | 578.0 | 1000.0 | 165.000 | 8.11 | 7.8 |
| 80 04 14 1510 | | | .3 | 1 | 34.0 | 461.0 | 690.0 | 50.500 | 8.07 | 7.6 |
| 80 05 20 1545 | | | .3 | 1 | 26.0 | 344.0 | 550.0 | 49.000 | 8.10 | 8.0 |
| 80 06 23 1500 | | | .3 | 1 | 16.0 | 366.0 | 550.0 | 48.000 | 8.41 | 8.1 |
| 80 07 24 1345 | | | .3 | 1 | 42.0 | 305.0 | 480.0 | 38.000 | 8.30 | 8.0 |
| 80 08 12 1430 | | | .3 | 1 | 20 | 304 | 460 | 33.0 | 8.33 | 8.1 |
| 80 09 23 1435 | | | .3 | 1 | 39 | 308 | 600 | 43.0 | 8.26 | 7.9 |
| 80 10 20 1445 | | | .3 | 1 | | | | | | 8.2 |
| 80 11 27 1500 | | | .3 | 1 | 12.0 | 422.0 | 700.0 | 49.500 | 8.21 | 7.6 |
| 80 12 18 1515 | | | .3 | 1 | 9.0 | 548.0 | 860.0 | 86.000 | 8.12 | |
| MAXIMUM | | | | | 42.0 | 578.0 | 1000.0 | 165.000 | 8.41 | 8.2 |
| ARITH MEAN | | | | | 23 | 410 | 668 | 64.0 | 8.16 | 7.9 |
| GEOM MEAN | | | | | 19 | 400 | 650 | 57.2 | 8.16 | 7.9 |
| MINIMUM | | | | | 7.0 | 304 | 460 | 33.0 | 7.83 | 7.6 |
| STD DEV | | | | | 13 | 95 | 165 | 37.9 | 0.16 | 0.2 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 |

B.O.W./ SITE: **ROUGE RIVER**
SAMPLE POINT: **HIGHWAY 2, 1MILE WEST OF ROUGE HILL**
STATION TYPE: **RIVER FLOW GAUGE FED 02HC015**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **ROUGE RIVER**

STATION ID: **06-0097-005-02**
STORET CODE: **02**
**004**
**3880**

LAT LONG: U T M: **17 0650060.0 4851850.0 4** REGION: **03** DISTANCE: **2.414**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 14 0945 | | | .3 | 1 | 22025 | 4 | 2000I | 68000 | 280 | 1580 | 0.0 | 12.8 | 1.8 | 0.398 |
| 80 02 18 0930 | | | .3 | 1 | 22097 | 4 | 4100 | 10000 | 200 | 60I | 0.0 | 11.6 | 0.8 | 0.093 |
| 80 03 17 1000 | | | .3 | 1 | 22144 | 4 | 1200 | 3900 | 100I | 20I | 2.0 | 10.0 | 1.4 | 0.107 |
| 80 04 14 1100 | | | .3 | 1 | 22193 | 6 | 2500 | 5500 | 210 | 400 | 4.6 | 12.0 | 0.6 | 0.100 |
| 80 05 20 1045 | | | .3 | 1 | 22242 | 6 | 350I | 10500 | 70I | 20I | 15.2 | 10.0 | 1.0 | 0.350 |
| 80 06 23 1030 | | | .3 | 1 | 22292 | 6 | 1400C | 22000 | 700 | 328 | 19.0 | 6.8 | 0.8 | 0.050 |
| 80 07 24 0900 | | | .3 | 1 | 22373 | 6 | | | | | 20.0 | 8.8 | 1.4 | 0.115 |
| 80 08 12 0930 | | | .3 | 1 | 22392 | 6 | 36000C | 1100000 | 6400 | 7500> | 22.0 | 6.8 | 2.8 | 0.285 |
| 80 09 23 0945 | | | .3 | 1 | 22442 | 6 | 6000I | 76000 | 1600 | 2700 | 17.0 | 8.4 | 2.6 | 0.172 |
| 80 10 20 0945 | | | .3 | 1 | 22492 | 6 | 7200C | 59000 | 130 | 210 | 7.0 | 10.8 | | |
| 80 11 27 1000 | | | .3 | 1 | 22564 | 6 | | | | | 0.5 | 10.6 | 0.8 | 0.012 |
| 80 12 18 1030 | | | .3 | 1 | 22621 | 8 | 1700 | 7000 | 20I | 120 | | | 2.7 | 0.021 |
| MAXIMUM | | | | | | | 36000 | 1100000 | 6400 | 7500> | 22.0 | 12.8 | 2.8 | 0.398 |
| ARITH MEAN | | | | | | | 6245 | 136190 | 971 | 12940 | 9.8 | 9.9 | 1.5 | 0.156 |
| GEOM MEAN | | | | | | | 2821 | 25602 | 262 | 2760 | 5.2 | 9.7 | 1.3 | 0.100 |
| MINIMUM | | | | | | | 350 | 3900 | 20 | 20 | 0.0 | 6.8 | 0.6 | 0.012 |
| STD DEV | | | | | | | 10684 | 339803 | 1986 | 23480 | 8.9 | 2.0 | 0.8 | 0.132 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 14 0945 | | | .3 | 1 | 0.065 | 0.168 | 1.180 | 0.034 | 2.620 | 2.822 | 1.012 | 3.834 | 624.0 | 283.0 |
| 80 02 18 0930 | | | .3 | 1 | 0.064 | 0.440 | 0.750 | 0.042 | 3.030 | 3.512 | 0.310 | 3.822 | 596.0 | 9.0 |
| 80 03 17 1000 | | | .3 | 1 | 0.052 | 0.890 | 1.910 | 0.053 | 2.600 | 3.543 | 1.020 | 4.563 | 707.0 | 21.0 |
| 80 04 14 1100 | | | .3 | 1 | 0.022 | 0.114 | 0.800 | 0.024 | 2.880 | 3.018 | 0.686 | 3.704 | 524.0 | 65.0 |
| 80 05 20 1045 | | | .3 | 1 | 0.020 | 0.018 | 0.600 | 0.012 | 0.228 | 0.258 | 0.582 | 0.840 | 433.0 | 20.0 |
| 80 06 23 1030 | | | .3 | 1 | 0.005 | 0.054 | 0.530 | 0.009 | 0.181 | 0.244 | 0.476 | 0.720 | 410.0 | 22.0 |
| 80 07 24 0900 | | | .3 | 1 | 0.006 | 0.060 | 0.850 | 0.018 | 0.360 | 0.438 | 0.790 | 1.228 | 405.0 | 57.0 |
| 80 08 12 0930 | | | .3 | 1 | 0.027 | 0.006 | 0.70 | 0.042 | 0.268 | 0.316 | 0.694 | 1.010 | 635 | 289 |
| 80 09 23 0945 | | | .3 | 1 | 0.008 | 0.052 | 0.82 | 0.027 | 0.248 | 0.327 | 0.768 | 1.095 | 394 | 105 |
| 80 11 27 1000 | | | .3 | 1 | 0.001 | 0.010 | 0.370 | 0.010 | 1.240 | 1.260 | 0.360 | 1.620 | 467.0 | 7.0 |
| 80 12 18 1030 | | | .3 | 1 | 0.004 | 0.168 | 0.530 | 0.014 | 2.940 | 3.122 | 0.362 | 3.484 | 613.0 | 19.0 |
| MAXIMUM | | | | | 0.065 | 0.890 | 1.910 | 0.053 | 3.030 | 3.543 | 1.020 | 4.563 | 707.0 | 289 |
| ARITH MEAN | | | | | 0.025 | 0.180 | 0.82 | 0.028 | 1.509 | 1.715 | 0.642 | 2.356 | 528 | 81 |
| GEOM MEAN | | | | | 0.013 | 0.071 | 0.74 | 0.022 | 0.869 | 1.016 | 0.595 | 1.898 | 517 | 39 |
| MINIMUM | | | | | 0.001 | 0.006 | 0.370 | 0.009 | 0.181 | 0.244 | 0.310 | 0.720 | 394 | 7.0 |
| STD DEV | | | | | 0.024 | 0.266 | 0.41 | 0.015 | 1.288 | 1.466 | 0.249 | 1.499 | 111 | 105 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | PH | FWPH | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 01 14 0945 | | | .3 | 1 | 530.0 | 58.00 | 40.500 | 8.03 | 7.5 | | | | | |
| 80 02 18 0930 | | | .3 | 1 | 1040.0 | 6.10 | 155.000 | 7.81 | 7.6 | | | | | |
| 80 03 17 1000 | | | .3 | 1 | 1190.0 | 13.00 | 225.000 | 7.91 | 7.7 | | | | | |
| 80 04 14 1100 | | | .3 | 1 | 660.0 | 21.00 | 46.000 | 8.17 | 7.7 | | | | | |
| 80 05 20 1045 | | | .3 | 1 | 600.0 | 3.70 | 51.000 | 7.99 | 7.7 | 0.020 | 0.020 | 0.030< | 0.005< | 0.010< |
| 80 06 23 1030 | | | .3 | 1 | 600.0 | 15.00 | 52.500 | 8.06 | 7.7 | | | | | |
| 80 07 24 0900 | | | .3 | 1 | 550.0 | 27.00 | 42.000 | 8.16 | 7.6 | | | | | |
| 80 08 12 0930 | | | .3 | 1 | 500 | 280 | 53.5 | 7.88 | 7.1 | | | | | |
| 80 09 23 0945 | | | .3 | 1 | 500 | 49 | 46.0 | 8.03 | 7.5 | | | | | |
| 80 10 20 0945 | | | .3 | 1 | | | | | 8.0 | | | | | |
| 80 11 27 1000 | | | .3 | 1 | 730.0 | 4.50 | 58.000 | 8.17 | 7.6 | | | | | |
| 80 12 18 1030 | | | .3 | 1 | 940.0 | 6.80 | 88.000 | 8.03 | | | | | | |
| MAXIMUM | | | | | 1190.0 | 280 | 225.000 | 8.17 | 8.0 | 0.020 | 0.020 | 0.030 | 0.005 | 0.010 |
| ARITH MEAN | | | | | 712 | 44 | 77.9 | 8.02 | 7.6 | 0.020 | 0.020 | 0.030L | 0.005L | 0.010L |
| GEOM MEAN | | | | | 681 | 17 | 65.2 | 8.02 | 7.6 | | | | | |
| MINIMUM | | | | | 500 | 3.70 | 40.500 | 7.81 | 7.1 | 0.020 | 0.020 | 0.030< | 0.005< | 0.010< |
| STD DEV | | | | | 237 | 80 | 58.9 | 0.12 | 0.2 | | | | | |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 1 | 1 | 1 | 1 | 1 |

| | | |
|---|---|---|
| B.O.W./ SITE **LITTLE ROUGE CREEK**<br>SAMPLE POINT **STEELES AVE NEAR TENTH LINE**<br>STATION TYPE **RIVER** | MAJOR BASIN **GREAT LAKES**<br>MINOR BASIN **LAKE ONTARIO**<br>TERM STREAM **ROUGE RIVER** | STATION ID **06-0097-006-02**<br>STORET CODE **02**<br>**004**<br>**3880** |
| LAT LONG | U T M **17 0644650.0 4856375.0 4** | REGION **03** DISTANCE **10.621** |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
| 80 01 14 1330 | | | .3 | 1 | 22036 | 6 | 1900 | 25000 | 100 | 590 | 1.3 | 11.6 | 0.6 | 0.065 |
| 80 02 18 1410 | | | .3 | 1 | 22108 | 4 | 200I | 1100 | 30I | 10< | 0.0 | 8.6 | 0.2 | 0.013 |
| 80 03 17 1400 | | | .3 | 1 | 22155 | 4 | 580 | 1160 | 30I | 30I | 1.0 | 10.3 | 0.2 | 0.017 |
| 80 04 14 1530 | | | .3 | 1 | 22207 | 6 | 800 | 2800 | 80I | 1340 | 4.9 | 11.8 | 0.4 | 0.070 |
| 80 05 20 1600 | | | .3 | 1 | 22257 | 6 | 200 | 5800 | 40I | 40I | 22.2 | 8.9 | 1.2 | 0.016 |
| 80 06 23 1530 | | | .3 | 1 | 22307 | 6 | 600C | 10200 | 450 | 180 | 27.9 | 7.6 | 0.8 | 0.019 |
| 80 07 24 1400 | | | .3 | 1 | 22388 | 6 | | | | | 25.0 | 7.2 | 1.0 | 0.018 |
| 80 08 12 1445 | | | .3 | 1 | 22407 | 6 | 2100 | 24000 | 200 | 640 | 24.9 | 8.8 | 0.8 | 0.012 |
| 80 09 23 1450 | | | .3 | 1 | 22457 | 6 | 1700 | 28000 | 860 | 560 | 19.2 | 9.2 | 1.2 | 0.052 |
| 80 10 20 1500 | | | .3 | 1 | 22507 | 6 | 700C | 76000 | 20I | 20I | 8.5 | 11.5 | | |
| 80 11 27 1515 | | | .3 | 1 | 22579 | 6 | | | | | 0.0 | 9.3 | 0.8 | 0.009 |
| 80 12 18 1630 | | | .3 | 1 | 22638 | 8 | 700I | 5300 | 10< | 60I | | | 1.7 | 0.022 |
| **MAXIMUM** | | | | | | | **2100** | **76000** | **860** | **1340** | **27.9** | **11.8** | **1.7** | **0.070** |
| **ARITH MEAN** | | | | | | | **948** | **17936** | **182L** | **347L** | **12.3** | **9.5** | **0.8** | **0.028** |
| **GEOM MEAN** | | | | | | | **719** | **8233** | **73L** | **122L** | **6.1** | **9.4** | **0.7** | **0.022** |
| **MINIMUM** | | | | | | | **200** | **1100** | **10<** | **10<** | **0.0** | **7.2** | **0.2** | **0.009** |
| **STD DEV** | | | | | | | **693** | **22901** | **273L** | **435L** | **11.5** | **1.6** | **0.5** | **0.022** |
| **NO OF SAMPLES** | | | | | | | **10** | **10** | **10** | **10** | **11** | **11** | **11** | **11** |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
| 80 01 14 1330 | | | .3 | 1 | 0.032 | 0.108 | 0.600 | 0.020 | 3.530 | 3.658 | 0.492 | 4.150 | 384.0 | 19.0 |
| 80 02 18 1410 | | | .3 | 1 | 0.007 | 0.006 | 0.230 | 0.007 | 1.770 | 1.783 | 0.224 | 2.007 | 365.0 | 2.0 |
| 80 03 17 1400 | | | .3 | 1 | 0.005 | 0.070 | 0.400 | 0.011 | 1.690 | 1.771 | 0.330 | 2.101 | 381.0 | 3.0 |
| 80 04 14 1530 | | | .3 | 1 | 0.012 | 0.018 | 0.650 | 0.014 | 3.690 | 3.722 | 0.632 | 4.354 | 455.0 | 41.0 |
| 80 05 20 1600 | | | .3 | 1 | 0.001 | 0.006 | 0.520 | 0.010 | 0.520 | 0.536 | 0.514 | 1.050 | | 5.0 |
| 80 06 23 1530 | | | .3 | 1 | 0.001 | 0.038 | 0.490 | 0.009 | 0.271 | 0.318 | 0.452 | 0.770 | 325.0 | 3.0 |
| 80 07 24 1400 | | | .3 | 1 | 0.002 | 0.026 | 0.540 | 0.014 | 0.345 | 0.385 | 0.514 | 0.899 | 321.0 | 7.0 |
| 80 08 12 1445 | | | .3 | 1 | 0.001 | 0.013 | 0.46 | 0.003 | 0.017 | 0.033 | 0.447 | 0.480 | 270 | 3 |
| 80 09 23 1450 | | | .3 | 1 | 0.010 | 0.020 | 0.50 | 0.002 | 0.023 | 0.045 | 0.480 | 0.525 | 261 | 27 |
| 80 11 27 1515 | | | .3 | 1 | 0.001< | 0.010 | 0.410 | 0.006 | 1.790 | 1.806 | 0.400 | 2.206 | 423.0 | 19.0 |
| 80 12 18 1630 | | | .3 | 1 | 0.008 | 0.038 | 0.380 | 0.010 | 3.540 | 3.588 | 0.342 | 3.930 | 497.0 | 10.0 |
| **MAXIMUM** | | | | | **0.032** | **0.108** | **0.650** | **0.020** | **3.690** | **3.722** | **0.632** | **4.354** | **497.0** | **41.0** |
| **ARITH MEAN** | | | | | **0.007L** | **0.032** | **0.47** | **0.010** | **1.562** | **1.604** | **0.439** | **2.043** | **368** | **12** |
| **GEOM MEAN** | | | | | **0.004L** | **0.022** | **0.45** | **0.008** | **0.614** | **0.720** | **0.424** | **1.546** | **361** | **7** |
| **MINIMUM** | | | | | **0.001<** | **0.006** | **0.230** | **0.002** | **0.017** | **0.033** | **0.224** | **0.480** | **261** | **2.0** |
| **STD DEV** | | | | | **0.009L** | **0.031** | **0.11** | **0.005** | **1.463** | **1.481** | **0.111** | **1.484** | **76** | **12** |
| **NO OF SAMPLES** | | | | | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **10** | **11** |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH |
| 80 01 14 1330 | | | .3 | 1 | 365.0 | 580.0 | 30.500 | 8.07 | 7.9 |
| 80 02 18 1410 | | | .3 | 1 | 363.0 | 620.0 | 27.000 | 7.15 | 7.6 |
| 80 03 17 1400 | | | .3 | 1 | 379.0 | 640.0 | 48.000 | 7.91 | 7.5 |
| 80 04 14 1530 | | | .3 | 1 | 414.0 | 600.0 | 34.000 | 8.26 | 7.7 |
| 80 05 20 1600 | | | .3 | 1 | 361.0 | 550.0 | 39.500 | 8.11 | 7.6 |
| 80 06 23 1530 | | | .3 | 1 | 322.0 | 470.0 | 36.000 | 8.37 | 8.0 |
| 80 07 24 1400 | | | .3 | 1 | 314.0 | 470.0 | 29.500 | 8.53 | 8.0 |
| 80 08 12 1445 | | | .3 | 1 | | 410 | 29.0 | 8.50 | 8.2 |
| 80 09 23 1450 | | | .3 | 1 | 234 | 415 | 27.0 | 8.34 | 7.8 |
| 80 10 20 1500 | | | .3 | 1 | | | | | 8.3 |
| 80 11 27 1515 | | | .3 | 1 | 404.0 | 650.0 | 41.000 | 8.12 | 7.4 |
| 80 12 18 1630 | | | .3 | 1 | 487.0 | 740.0 | 41.000 | 8.03 | |
| **MAXIMUM** | | | | | **487.0** | **740.0** | **48.000** | **8.53** | **8.3** |
| **ARITH MEAN** | | | | | **364** | **558** | **34.7** | **8.13** | **7.8** |
| **GEOM MEAN** | | | | | **358** | **549** | **34.1** | **8.12** | **7.8** |
| **MINIMUM** | | | | | **234** | **410** | **27.000** | **7.15** | **7.4** |
| **STD DEV** | | | | | **67** | **106** | **6.9** | **0.38** | **0.3** |
| **NO OF SAMPLES** | | | | | **10** | **11** | **11** | **11** | **11** |

B.O.W./ SITE: **ROUGE RIVER**
SAMPLE POINT: **AT TWIN RIVERS DRIVE SCARBOROUGH**
STATION TYPE: **RIVER FLOW GAUGE FED 02HC103**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **ROUGE RIVER**

STATION ID: **06-0097-011-02**
STORET CODE: **02**
**004**
**3880**

LAT: LONG: U T M: **17 0648000.0 4852275.0 4** REGION: **03** DISTANCE: **5.311**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 14 1415 | | | .3 | 1 | 22038 | 6 | 3000I | 53000 | 150 | 490 | 1.0 | 11.4 | 1.8 | 0.230 |
| 80 02 18 1450 | | | .3 | 1 | 22110 | 4 | 200I | 1400 | 10I | 30I | 0.0 | 10.2 | 0.6 | 0.128 |
| 80 03 17 1445 | | | .3 | 1 | 22157 | 4 | 6600 | 18500 | 480 | 1500> | 1.0 | 10.7 | 2.0 | 0.290 |
| 80 04 14 1200 | | | .3 | 1 | 22209 | 6 | 5700 | 19000 | 1040 | 2400 | 5.7 | 11.7 | 2.2 | 0.900 |
| 80 05 20 1630 | | | .3 | 1 | 22259 | 6 | 100< | 3300 | 20< | 20< | 21.8 | 10.6 | 1.2 | 0.043 |
| 80 06 23 1600 | | | .3 | 1 | 22309 | 6 | 280C | 13000 | 230 | 100 | 27.0 | 8.9 | 0.6 | 0.033 |
| 80 07 24 1430 | | | .3 | 1 | 22390 | 6 | | | | | 25.0 | 7.4 | 1.6 | 0.081 |
| 80 08 12 1515 | | | .3 | 1 | 22409 | 6 | 1800C | 31000 | 420 | 1600 | 25.9 | 9.2 | 1.0 | 0.038 |
| 80 09 23 1525 | | | .3 | 1 | 22459 | 6 | 16000 | 210000 | 2500 | 3200 | 18.9 | 9.3 | 3.0 | 0.130 |
| 80 10 20 1530 | | | .3 | 1 | 22509 | 6 | 6400 | 18000 | 70I | 50I | 9.1 | 11.9 | | |
| 80 12 18 1535 | | | .3 | 1 | 22635 | 8 | 2100 | 14000 | 10I | 190 | | | 1.3 | 0.020 |
| MAXIMUM | | | | | | | 16000 | 210000 | 2500 | 3200> | 27.0 | 11.9 | 3.0 | 0.900 |
| ARITH MEAN | | | | | | | 4218L | 38120 | 493L | 958B | 13.5 | 10.1 | 1.5 | 0.189 |
| GEOM MEAN | | | | | | | 1733L | 16841 | 138L | 296B | 7.2 | 10.0 | 1.4 | 0.099 |
| MINIMUM | | | | | | | 100< | 1400 | 10< | 20< | 0.0 | 7.4 | 0.6 | 0.020 |
| STD DEV | | | | | | | 4852L | 62132 | 774L | 1151B | 11.3 | 1.4 | 0.8 | 0.265 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 14 1415 | | | .3 | 1 | 0.077 | 0.230 | 1.130 | 0.036 | 2.560 | 2.826 | 0.900 | 3.726 | 495.0 | 95.0 |
| 80 02 18 1450 | | | .3 | 1 | 0.091 | 0.640 | 1.000 | 0.089 | 4.410 | 5.139 | 0.360 | 5.499 | 560.0 | 9.0 |
| 80 03 17 1445 | | | .3 | 1 | 0.061 | 1.070 | 1.900 | 0.058 | 2.790 | 3.918 | 0.830 | 4.748 | 937.0 | 263.0 |
| 80 04 14 1200 | | | .3 | 1 | 0.034 | 0.180 | 1.650 | 0.033 | 2.120 | 2.333 | 1.470 | 3.803 | 1261.0 | 844.0 |
| 80 05 20 1630 | | | .3 | 1 | 0.001 | 0.018 | 0.550 | 0.008 | 0.007 | 0.033 | 0.532 | 0.565 | 378.0 | 9.0 |
| 80 06 23 1600 | | | .3 | 1 | 0.002 | 0.022 | 0.470 | 0.004 | 0.021 | 0.047 | 0.448 | 0.495 | 378.0 | 6.0 |
| 80 07 24 1430 | | | .3 | 1 | 0.005 | 0.038 | 0.680 | 0.016 | 0.188 | 0.242 | 0.642 | 0.884 | 363.0 | 27.0 |
| 80 08 12 1515 | | | .3 | 1 | 0.002 | 0.006 | 0.57 | 0.007 | 0.088 | 0.101 | 0.564 | 0.665 | 386 | 13 |
| 80 09 23 1525 | | | .3 | 1 | 0.021 | 0.074 | 0.68 | 0.016 | 0.384 | 0.474 | 0.606 | 1.080 | 335 | 78 |
| 80 12 18 1535 | | | .3 | 1 | 0.006 | 0.100 | 0.500 | 0.014 | 2.540 | 2.654 | 0.400 | 3.054 | 619.0 | 16.0 |
| MAXIMUM | | | | | 0.091 | 1.070 | 1.900 | 0.089 | 4.410 | 5.139 | 1.470 | 5.499 | 1261.0 | 844.0 |
| ARITH MEAN | | | | | 0.030 | 0.238 | 0.91 | 0.028 | 1.511 | 1.777 | 0.675 | 2.452 | 571 | 136 |
| GEOM MEAN | | | | | 0.011 | 0.065 | 0.80 | 0.019 | 0.417 | 0.603 | 0.619 | 1.699 | 516 | 36 |
| MINIMUM | | | | | 0.001 | 0.006 | 0.470 | 0.004 | 0.007 | 0.033 | 0.360 | 0.495 | 335 | 6.0 |
| STD DEV | | | | | 0.034 | 0.348 | 0.50 | 0.027 | 1.567 | 1.855 | 0.329 | 1.923 | 302 | 261 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 14 1415 | | | .3 | 1 | 400.0 | 620.0 | 51.000 | 8.05 | 7.9 |
| 80 02 18 1450 | | | .3 | 1 | 551.0 | 930.0 | 130.000 | 7.81 | 7.8 |
| 80 03 17 1445 | | | .3 | 1 | 674.0 | 1160.0 | 218.000 | 7.98 | 7.8 |
| 80 04 14 1200 | | | .3 | 1 | 417.0 | 620.0 | 48.500 | 8.07 | 7.7 |
| 80 05 20 1630 | | | .3 | 1 | 369.0 | 550.0 | 52.000 | 8.23 | 7.9 |
| 80 06 23 1600 | | | .3 | 1 | 372.0 | 550.0 | 51.000 | 8.50 | 8.1 |
| 80 07 24 1430 | | | .3 | 1 | 336.0 | 500.0 | 46.000 | 8.40 | 8.1 |
| 80 08 12 1515 | | | .3 | 1 | 373 | 550 | 50.5 | 8.46 | 8.2 |
| 80 09 23 1525 | | | .3 | 1 | 257 | 395 | 34.5 | 8.13 | 7.8 |
| 80 10 20 1530 | | | .3 | 1 | | | | | 8.5 |
| 80 12 18 1535 | | | .3 | 1 | 603.0 | 960.0 | 111.000 | 7.97 | |
| MAXIMUM | | | | | 674.0 | 1160.0 | 218.000 | 8.50 | 8.5 |
| ARITH MEAN | | | | | 435 | 683 | 79.2 | 8.16 | 8.0 |
| GEOM MEAN | | | | | 418 | 648 | 66.3 | 8.16 | 8.0 |
| MINIMUM | | | | | 257 | 395 | 34.5 | 7.81 | 7.7 |
| STD DEV | | | | | 130 | 245 | 57.7 | 0.23 | 0.2 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 |

B.O.W./ SITE: **ROUGE RIVER**
SAMPLE POINT: **AT SEWELL ROAD NORTH OF FINCH AVENUE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **ROUGE RIVER**

STATION ID: **06-0097-012-02**
STORET CODE: **02**
**004**
**3880**

LAT: LONG: U T M: **17 0644725.0 4854100.0 4** REGION: **03** DISTANCE: **11.265**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT MG/L AS P |
| 80 01 14 1355 | | | .3 | 1 | 22037 | 6 | 14000C | 80000 | 40I | 140 | 1.0 | 11.4 | 1.4 | 0.205 |
| 80 02 18 1430 | | | .3 | 1 | 22109 | 4 | 1000< | 1000 | 10< | 10< | 0.0 | 10.1 | 0.6 | 0.185 |
| 80 03 17 1420 | | | .3 | 1 | 22156 | 4 | 100I | 400 | 10< | 10< | 1.0 | 10.9 | 0.8 | 0.094 |
| 80 04 14 1545 | | | .3 | 1 | 22208 | 6 | 560 | 2800 | 340 | 170 | 7.2 | 11.6 | 0.8 | 0.243 |
| 80 05 20 1615 | | | .3 | 1 | 22258 | 6 | 400I | 6000 | 10I | 10< | 21.0 | 10.8 | 1.4 | 0.045 |
| 80 06 23 1545 | | | .3 | 1 | 22308 | 6 | 200C | 11200 | 120 | 40I | 27.1 | 9.5 | 0.6 | 0.051 |
| 80 07 24 1415 | | | .3 | 1 | 22389 | 6 | | | | | 25.1 | 7.6 | 1.4 | 0.059 |
| 80 08 12 1500 | | | .3 | 1 | 22408 | 6 | 1400 | 25000 | 220 | 180I | 25.2 | 9.5 | 1.0 | 0.031 |
| 80 09 23 1510 | | | .3 | 1 | 22458 | 6 | 3800C | 36000 | 860 | 480 | 18.2 | 9.5 | 2.8 | 0.105 |
| 80 10 20 1515 | | | .3 | 1 | 22508 | 6 | 7400 | 13000 | 80I | 160I | 9.0 | 10.5 | | |
| 80 11 27 1530 | | | .3 | 1 | 22580 | 6 | | | | | 0.0 | 9.9 | 0.4 | 0.011 |
| 80 12 18 1615 | | | .3 | 1 | 22637 | 8 | 4100 | 19000 | 30I | 100 | | | 0.7 | 0.029 |
| MAXIMUM | | | | | | | 14000 | 80000 | 860 | 480 | 27.1 | 11.6 | 2.8 | 0.243 |
| ARITH MEAN | | | | | | | 3296L | 19440 | 172L | 130L | 12.3 | 10.1 | 1.1 | 0.096 |
| GEOM MEAN | | | | | | | 1260L | 8178 | 61L | 66L | 6.1 | 10.1 | 0.9 | 0.067 |
| MINIMUM | | | | | | | 100< | 400 | 10< | 10< | 0.0 | 7.6 | 0.4 | 0.011 |
| STD DEV | | | | | | | 4433L | 24135 | 265L | 141L | 11.2 | 1.1 | 0.7 | 0.080 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 11 | 11 | 11 | 11 |

(CONTD)

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 14 1355 | | | .3 | 1 | 0.081 | 0.220 | 0.950 | 0.037 | 2.910 | 3.167 | 0.730 | 3.897 | 472.0 | 68.0 |
| 80 02 18 1430 | | | .3 | 1 | 0.140 | 0.890 | 1.380 | 0.105 | 4.650 | 5.645 | 0.490 | 6.135 | 524.0 | 14.0 |
| 80 03 17 1420 | | | .3 | 1 | 0.049 | 1.520 | 2.280 | 0.078 | 3.020 | 4.618 | 0.760 | 5.378 | 639.0 | 9.0 |
| 80 04 14 1545 | | | .3 | 1 | 0.039 | 0.200 | 0.930 | 0.035 | 2.510 | 2.745 | 0.730 | 3.475 | 648.0 | 215.0 |
| 80 05 20 1615 | | | .3 | 1 | 0.002 | 0.016 | 0.590 | 0.013 | 0.052 | 0.081 | 0.574 | 0.655 | 351.0 | 15.0 |
| 80 06 23 1545 | | | .3 | 1 | 0.001 | 0.030 | 0.540 | 0.004 | 0.016 | 0.050 | 0.510 | 0.560 | 342.0 | 18.0 |
| 80 07 24 1415 | | | .3 | 1 | 0.008 | 0.048 | 0.610 | 0.021 | 0.357 | 0.426 | 0.562 | 0.988 | 355.0 | 34.0 |
| 80 08 12 1500 | | | .3 | 1 | 0.002 | 0.008 | 0.57 | 0.009 | 0.226 | 0.243 | 0.562 | 0.805 | 361 | 9 |
| 80 09 23 1510 | | | .3 | 1 | 0.014 | 0.084 | 0.68 | 0.012 | 0.258 | 0.354 | 0.596 | 0.950 | 346 | 60 |
| 80 11 27 1530 | | | .3 | 1 | 0.001 | 0.010 | 0.380 | 0.009 | 1.190 | 1.209 | 0.370 | 1.579 | 431.0 | 9.0 |
| 80 12 18 1615 | | | .3 | 1 | 0.005 | 0.078 | 0.440 | 0.014 | 2.640 | 2.732 | 0.362 | 3.094 | 542.0 | 13.0 |
| MAXIMUM | | | | | **0.140** | **1.520** | **2.280** | **0.105** | **4.650** | **5.645** | **0.760** | **6.135** | **648.0** | **215.0** |
| ARITH MEAN | | | | | **0.031** | **0.282** | **0.85** | **0.031** | **1.621** | **1.934** | **0.568** | **2.501** | **455** | **42** |
| GEOM MEAN | | | | | **0.009** | **0.079** | **0.73** | **0.020** | **0.624** | **0.819** | **0.553** | **1.790** | **442** | **23** |
| MINIMUM | | | | | **0.001** | **0.008** | **0.380** | **0.004** | **0.016** | **0.050** | **0.362** | **0.560** | **342.0** | **9.0** |
| STD DEV | | | | | **0.044** | **0.483** | **0.55** | **0.032** | **1.589** | **1.973** | **0.135** | **2.008** | **117** | **61** |
| NO OF SAMPLES | | | | | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** |

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 14 1355 | | | .3 | 1 | 404.0 | 620.0 | 48.000 | 8.04 | 7.9 |
| 80 02 18 1430 | | | .3 | 1 | 510.0 | 890.0 | 113.000 | 7.94 | 7.8 |
| 80 03 17 1420 | | | .3 | 1 | 630.0 | 1090.0 | 193.000 | 7.91 | 7.8 |
| 80 04 14 1545 | | | .3 | 1 | 433.0 | 660.0 | 48.500 | 8.21 | 7.6 |
| 80 05 20 1615 | | | .3 | 1 | 336.0 | 550.0 | 48.000 | 8.14 | 7.9 |
| 80 06 23 1545 | | | .3 | 1 | 324.0 | 480.0 | 49.500 | 8.55 | 8.1 |
| 80 07 24 1415 | | | .3 | 1 | 321.0 | 490.0 | 39.500 | 8.53 | 8.1 |
| 80 08 12 1500 | | | .3 | 1 | 352 | 550 | 45.0 | 8.46 | 8.2 |
| 80 09 23 1510 | | | .3 | 1 | 286 | 500 | 42.5 | 8.25 | 7.8 |
| 80 10 20 1515 | | | .3 | 1 | | | | | 8.4 |
| 80 11 27 1530 | | | .3 | 1 | 422.0 | 670.0 | 50.000 | 8.15 | 7.8 |
| 80 12 18 1615 | | | .3 | 1 | 529.0 | 820.0 | 64.000 | 7.81 | |
| MAXIMUM | | | | | **630.0** | **1090.0** | **193.000** | **8.55** | **8.4** |
| ARITH MEAN | | | | | **413** | **665** | **67.3** | **8.18** | **7.9** |
| GEOM MEAN | | | | | **401** | **642** | **58.8** | **8.18** | **7.9** |
| MINIMUM | | | | | **286** | **480.0** | **39.500** | **7.81** | **7.6** |
| STD DEV | | | | | **106** | **193** | **46.3** | **0.25** | **0.2** |
| NO OF SAMPLES | | | | | **11** | **11** | **11** | **11** | **11** |

B O W / SITE **LITTLE ROUGE CREEK**
SAMPLE POINT **TWIN RIVERS DRIVE SCARBOROUGH**
STATION TYPE **RIVER FLOW GAUGE FED 02HC104**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ONTARIO**
TERM STREAM **ROUGE RIVER**

STATION ID **06-0097-013-02**
STORET CODE **02**
**004**
**3880**

LAT
LONG
U T M **17 0648225.0 4852600.0 4**
REGION **03**
DISTANCE **4.184**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 14 1430 | | | .3 | 1 | 22039 | 6 | 12000C | 50000 | 140 | 550 | 1.0 | 11.8 | 0.4 | 0.113 |
| 80 02 18 1520 | | | .3 | 1 | 22111 | 4 | 400I | 800 | 10< | 10< | 0.0 | 10.6 | 0.2 | 0.008 |
| 80 03 17 1510 | | | .3 | 1 | 22158 | 4 | 340 | 190 | 40I | 20I | 1.1 | 11.1 | 0.6 | 0.070 |
| 80 04 14 1200 | | | .3 | 1 | 22210 | 6 | 99000C | 26000 | 15200 | 15000> | 4.9 | 11.7 | 6.0 | 1.750 |
| 80 05 20 1645 | | | .3 | 1 | 22260 | 6 | 80C | 3800 | 10I | 10I | 22.0 | 8.7 | 0.8 | 0.013 |
| 80 06 23 1615 | | | .3 | 1 | 22310 | 6 | 150C | 6400 | 70I | 80I | 27.2 | 7.5 | 0.6 | 0.017 |
| 80 07 24 1445 | | | .3 | 1 | 22391 | 6 | | | | | 25.2 | 7.3 | 1.4 | 0.028 |
| 80 08 12 1530 | | | .3 | 1 | 22410 | 6 | 1400C | 29000 | 360 | 340 | 26.5 | 8.1 | 0.8 | 0.020 |
| 80 09 23 1550 | | | .3 | 1 | 22460 | 6 | 2100C | 39000 | 880 | 1700 | 18.9 | 8.8 | 2.0 | 0.080 |
| 80 10 20 1600 | | | .3 | 1 | 22510 | 6 | 600C | 80000 | 40I | 100I | 9.0 | 11.6 | | |
| 80 12 18 1550 | | | .3 | 1 | 22636 | 8 | 500I | 5800 | 10I | 110 | | | 6.0 | 0.011 |
| MAXIMUM | | | | | | | **99000** | **80000** | **15200** | **15000>** | **27.2** | **11.8** | **6.0** | **1.750** |
| ARITH MEAN | | | | | | | **11657** | **24099** | **1676L** | **1792B** | **13.6** | **9.7** | **1.9** | **0.211** |
| GEOM MEAN | | | | | | | **1055** | **8713** | **97L** | **156B** | **7.2** | **9.6** | **1.1** | **0.041** |
| MINIMUM | | | | | | | **80** | **190** | **10<** | **10<** | **0.0** | **7.3** | **0.2** | **0.008** |
| STD DEV | | | | | | | **30900** | **26289** | **4760L** | **4669B** | **11.5** | **1.8** | **2.2** | **0.542** |
| NO OF SAMPLES | | | | | | | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 14 1430 | | | .3 | 1 | 0.035 | 0.124 | 0.750 | 0.020 | 3.530 | 3.674 | 0.626 | 4.300 | 436.0 | 69.0 |
| 80 02 18 1520 | | | .3 | 1 | 0.007 | 0.014 | 0.210 | 0.007 | 1.720 | 1.741 | 0.196 | 1.937 | 367.0 | 3.0 |
| 80 03 17 1510 | | | .3 | 1 | 0.016 | 0.084 | 0.530 | 0.015 | 1.620 | 1.719 | 0.446 | 2.165 | 445.0 | 41.0 |
| 80 04 14 1200 | | | .3 | 1 | 0.052 | 0.252 | 2.900 | 0.025 | 3.120 | 3.397 | 2.648 | 6.045 | 2450.0 | 2016.0 |
| 80 05 20 1645 | | | .3 | 1 | 0.001 | 0.010 | 0.520 | 0.011 | 0.594 | 0.615 | 0.510 | 1.125 | 405.0 | 4.0 |
| 80 06 23 1615 | | | .3 | 1 | 0.001 | 0.038 | 0.450 | 0.007 | 0.238 | 0.283 | 0.412 | 0.695 | 335.0 | 8.0 |
| 80 07 24 1445 | | | .3 | 1 | 0.002 | 0.020 | 0.530 | 0.011 | 0.232 | 0.263 | 0.510 | 0.773 | 322.0 | 14.0 |
| 80 08 12 1530 | | | .3 | 1 | 0.002 | 0.010 | 0.43 | 0.002 | 0.003 | 0.015 | 0.420 | 0.435 | 298 | 15 |
| 80 09 23 1550 | | | .3 | 1 | 0.007 | 0.030 | 0.50 | 0.002 | 0.023 | 0.055 | 0.470 | 0.525 | 332 | 83 |
| 80 12 18 1550 | | | .3 | 1 | 0.001 | 0.242 | 0.600 | 0.010 | 3.490 | 3.742 | 0.358 | 4.100 | 224.0 | 9.0 |
| MAXIMUM | | | | | **0.052** | **0.252** | **2.900** | **0.025** | **3.530** | **3.742** | **2.648** | **6.045** | **2450.0** | **2016.0** |
| ARITH MEAN | | | | | **0.012** | **0.082** | **0.74** | **0.011** | **1.457** | **1.550** | **0.660** | **2.210** | **561** | **226** |
| GEOM MEAN | | | | | **0.005** | **0.043** | **0.57** | **0.008** | **0.435** | **0.592** | **0.506** | **1.510** | **419** | **24** |
| MINIMUM | | | | | **0.001** | **0.010** | **0.210** | **0.002** | **0.003** | **0.015** | **0.196** | **0.435** | **224.0** | **3.0** |
| STD DEV | | | | | **0.018** | **0.094** | **0.77** | **0.007** | **1.460** | **1.546** | **0.708** | **1.951** | **666** | **629** |
| NO OF SAMPLES | | | | | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** |

(CONTD)

B.O.W./SITE: **LITTLE ROUGE CREEK**
SAMPLE POINT: **TWIN RIVERS DRIVE SCARBOROUGH**
STATION TYPE: **RIVER FLOW GAUGE FED 02HC104**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **ROUGE RIVER**

STATION ID: **06-0097-013-02**
STORET CODE: **02**
**004**
**3880**

LAT. LONG. U.T.M. **17 0648225.0 4852600.0 4** REGION **03** DISTANCE **4.184**

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 14 1430 | | | .3 | 1 | 580 0 | 24 00 | 33 000 | 8 18 | |
| 80 02 18 1520 | | | 3 | 1 | 620 0 | 2 20 | 29 500 | 7 81 | 7 8 |
| 80 03 17 1510 | | | 3 | 1 | 650 0 | 44 00 | 54 500 | 7 91 | 7 6 |
| 80 04 14 1200 | | | .3 | 1 | 620 0 | 320 00 | 44 000 | 7 96 | 7 7 |
| 80 05 20 1645 | | | 3 | 1 | 600 0 | 3 20 | 43 500 | 8 11 | 7.7 |
| 80 06 23 1615 | | | .3 | 1 | 480 0 | 5 30 | 42 000 | 8.44 | 8 0 |
| 80 07 24 1445 | | | .3 | 1 | 455 0 | 9 20 | 34 000 | 8 50 | 8.1 |
| 80 08 12 1530 | | | .3 | 1 | 435 | 13 | 35 5 | 8 50 | 8 2 |
| 80 09 23 1550 | | | .3 | 1 | 450 | 41 | 35 5 | 8 30 | 7 8 |
| 80 10 20 1600 | | | 3 | 1 | | | | | 8 4 |
| 80 12 18 1550 | | | .3 | 1 | 780 0 | 5 90 | 47 000 | 7 96 | |
| MAXIMUM | | | | | 780.0 | 320.00 | 54.500 | 8.50 | 8.4 |
| ARITH MEAN | | | | | 567 | 46 | 39.8 | 8.17 | 7.9 |
| GEOM MEAN | | | | | 557 | 14 | 39.2 | 8.16 | 7.9 |
| MINIMUM | | | | | 435 | 2.20 | 29.500 | 7.81 | 7.8 |
| STD DEV | | | | | 110 | 97 | 7.6 | 0.26 | 0.3 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 9 |

B.O.W./SITE: **DUFFINS CREEK**
SAMPLE POINT: **BASELINE ROAD, 1 MILE WEST OF AJAX**
STATION TYPE: **RIVER FLOW GAUGE FED 02HC006**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **DUFFINS CREEK**

STATION ID: **06-0104-001-02**
STORET CODE: **02**
**004**
**3770**

LAT. LONG. U.T.M. **17 0657550.0 4855625.0 4** REGION **03** DISTANCE **3.058**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT DEM MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 14 1035 | | | 3 | 1 | 22027 | 4 | 130000 | 170000 | 23000 | 6500 | 0 0 | 11 8 | 1 8 | 0 315 |
| 80 02 18 1030 | | | 3 | 1 | 22099 | 4 | 220000 | 330000 | 23000 | 1700 | 0 0 | 10.2 | 1 0 | 0 128 |
| 80 03 17 1100 | | | .3 | 1 | 22146 | 4 | 5100C | 26500 | 670 | 200I | 1.5 | 9 2 | 1 0 | 0 083 |
| 80 04 14 1155 | | | .3 | 1 | 22195 | 6 | 15000 | 15000 | 5800 | 1260 | 3 7 | 11 9 | 0 6 | 0 080 |
| 80 05 20 1130 | | | 3 | 1 | 22244 | 6 | 200I | 7000 | 20I | 20I | 14 9 | 10 1 | 0 6 | 0 024 |
| 80 06 23 1115 | | | 3 | 1 | 22294 | 6 | 1400 | 14800 | 410 | 290 | 18 4 | 7 6 | 0 4 | 0 026 |
| 80 07 24 0945 | | | .3 | 1 | 22375 | 6 | | | | | 18 0 | 6 7 | 1 2 | 0 083 |
| 80 08 12 1020 | | | 3 | 1 | 22394 | 6 9 | 7200C | 67500 | 1660 | 1760 | 20 9 | 7 7 | 1 0 | 0 048 |
| 80 09 23 1045 | | | 3 | 1 | 22444 | 6 | 18000 | 200000 | 1040 | 1600 | 15 5 | 8 3 | 2 4 | 0 275 |
| 80 10 20 1035 | | | .3 | 1 | 22494 | 6 | 2200C | 29000 | 140I | 400I | 6 7 | 11 4 | | |
| 80 11 27 1045 | | | .3 | 1 | 22566 | 6 | | | | | 0 0 | 10 4 | 0 2 | 0 005 |
| 80 12 18 1135 | | | 3 | 1 | 22623 | 8 | 4800 | 21000 | 60I | 100I | | | 1 1 | 0 055 |
| MAXIMUM | | | | | | | 220000 | 330000 | 23000 | 6500 | 20.9 | 11.9 | 2.4 | 0.315 |
| ARITH MEAN | | | | | | | 40390 | 88080 | 5580 | 1383 | 9.1 | 9.6 | 1.0 | 0.102 |
| GEOM MEAN | | | | | | | 7805 | 42448 | 889 | 532 | 5.1 | 9.4 | 0.8 | 0.062 |
| MINIMUM | | | | | | | 200 | 7000 | 20 | 20 | 0.0 | 6.7 | 0.2 | 0.005 |
| STD DEV | | | | | | | 74269 | 109165 | 9338 | 1931 | 8.5 | 1.8 | 0.6 | 0.102 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 14 1035 | | | 3 | 1 | 0.041 | 0 204 | 1 150 | 0 015 | 1 380 | 1 599 | 0 946 | 2 545 | 577 0 | 252 0 |
| 80 02 18 1030 | | | .3 | 1 | 0 074 | 0.500 | 1 180 | 0 012 | 1 230 | 1.742 | 0 680 | 2 422 | 331 0 | 19.0 |
| 80 03 17 1100 | | | .3 | 1 | 0.048 | 0 360 | 0 700 | 0.012 | 1 040 | 1 412 | 0 340 | 1 752 | 353 0 | 19 0 |
| 80 04 14 1155 | | | .3 | 1 | 0.025 | 0 134 | 0 650 | 0.014 | 1 440 | 1 588 | 0 516 | 2 104 | 413 0 | 42 0 |
| 80 05 20 1130 | | | 3 | 1 | 0 002 | 0 012 | 0 380 | 0 010 | 0 310 | 0 332 | 0 368 | 0 700 | 355 0 | 11 0 |
| 80 06 23 1115 | | | 3 | 1 | 0 004 | 0 960 | 0 530 | 0 014 | 0 426 | 1 400 | 0 430 | 0 970 | 318 0 | 11 0 |
| 80 07 24 0945 | | | 3 | 1 | 0 012 | 0 036 | 0 550 | 0 012 | 0 487 | 0 535 | 0 514 | 1 049 | 385 0 | 62 0 |
| 80 08 12 1020 | | | 3 | 1 | 0 006 | 0 010 | 0 28 | 0 006 | 0 254 | 0 270 | 0 270 | 0 540 | 312 | 36 |
| 80 09 23 1045 | | | 3 | 1 | 0 010 | 0 038 | 1 00 | 0 006 | 0 524 | 0 568 | 0 962 | 1 530 | 513 | 257 |
| 80 11 27 1045 | | | 3 | 1 | 0 002 | 0 004 | 0 200 | 0 006 | 0 944 | 0 954 | 0 196 | 1 150 | 360 0 | 10 0 |
| 80 12 18 1135 | | | 3 | 1 | 0 008 | 0 110 | 0 320 | 0 009 | 1 390 | 1 509 | 0 210 | 1 719 | 434 0 | 25 0 |
| MAXIMUM | | | | | 0.074 | 0.960 | 1.180 | 0.015 | 1.440 | 1.742 | 0.962 | 2.545 | 577.0 | 257 |
| ARITH MEAN | | | | | 0.021 | 0.215 | 0.63 | 0.011 | 0.857 | 1.083 | 0.494 | 1.498 | 395 | 67 |
| GEOM MEAN | | | | | 0.011 | 0.074 | 0.54 | 0.010 | 0.724 | 0.907 | 0.432 | 1.347 | 388 | 33 |
| MINIMUM | | | | | 0.002 | 0.004 | 0.200 | 0.006 | 0.254 | 0.270 | 0.196 | 0.540 | 312 | 10.0 |
| STD DEV | | | | | 0.024 | 0.294 | 0.34 | 0.003 | 0.466 | 0.562 | 0.269 | 0.677 | 84 | 93 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 14 1035 | | | .3 | 1 | 325.0 | 510 0 | 23 000 | 8.09 | 7.5 |
| 80 02 18 1030 | | | .3 | 1 | 312 0 | 550 0 | 21 500 | 7.77 | 7.6 |
| 80 03 17 1100 | | | .3 | 1 | 334.0 | 580 0 | 40 000 | 8 06 | 7 7 |
| 80 04 14 1155 | | | 3 | 1 | 371 0 | 560 0 | 26 000 | 8.15 | 7 6 |
| 80 05 20 1130 | | | .3 | 1 | 344 0 | 550 0 | 22 000 | 8 04 | 7 6 |
| 80 06 23 1115 | | | .3 | 1 | 307 0 | 465 0 | 16 500 | 8 27 | 7 9 |
| 80 07 24 0945 | | | 3 | 1 | 323 0 | 500 0 | 18 000 | 8 31 | 7 7 |
| 80 08 12 1020 | | | 3 | 1 | 276 | 425 | 15 5 | 8 01 | 7 8 |
| 80 09 23 1045 | | | .3 | 1 | 256 | 455 | 20 5 | 8 09 | 7 5 |
| 80 10 20 1035 | | | 3 | 1 | | | | | 7 9 |
| 80 11 27 1045 | | | 3 | 1 | 350 0 | 580 0 | 22 500 | 8 19 | 7 4 |
| 80 12 18 1135 | | | 3 | 1 | 409 0 | 640 0 | 32 000 | 8 23 | |

(CONTD)

| TEST-NAME: | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT / STN DIST FEET / STN BRG / SAMP DEPTH MTRS / PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| MAXIMUM | 409.0 | 640.0 | 40.000 | 8.31 | 7.9 |
| ARITH MEAN | 327 | 628 | 23.4 | 8.11 | 7.7 |
| GEOM MEAN | 325 | 625 | 22.5 | 8.11 | 7.7 |
| MINIMUM | 256 | 425 | 15.5 | 7.77 | 7.4 |
| STD DEV | 42 | 64 | 7.1 | 0.15 | 0.2 |
| NO OF SAMPLES | 11 | 11 | 11 | 11 | 11 |

B.O.W./ SITE: **DUFFINS CREEK**
SAMPLE POINT: **DOWNSTREAM FROM AJAX STP**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **DUFFINS CREEK**

STATION ID: **06-0104-003-02**
STORET CODE: **02**
**004**
**3770**

LAT: LONG: U.T.M: **17 0657600.0 4854750.0 4** REGION: **03** DISTANCE: **2.736**

| TEST-NAME: | STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | | | | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 14 1020 | | .3 | 1 | 22026 | 6 | 36000 | 120000 | 13000 | 2000I | 1.0 | 10.9 | 1.0 | 0.115 |
| 80 02 18 1010 | | .3 | 1 | 22098 | 6 | 85000 | 200000 | 8400 | 1000 | 0.0 | 10.1 | 2.2 | 0.338 |
| 80 03 17 1040 | | .3 | 1 | 22145 | 6 | 138000C | 215000 | 17000 | 5500 | 1.5 | 9.6 | 1.8 | 0.233 |
| 80 04 14 1140 | | .3 | 1 | 22194 | 6 | 12000 | 16000 | 8000I | 1200 | 3.4 | 11.6 | 0.6 | 0.078 |
| 80 05 20 1115 | | .3 | 1 | 22243 | 6 | 200I | 8200 | 40I | 10I | 14.1 | 9.8 | 0.8 | 0.038 |
| 80 06 23 1100 | | .3 | 1 | 22293 | 6 9 | 2000C | 31000 | 620 | 360 | 18.1 | 7.1 | 0.4 | 0.027 |
| 80 07 24 0930 | | .3 | 1 | 22374 | 6 | | | | | 18.2 | 6.4 | 1.0 | 0.078 |
| 80 08 12 1000 | | .3 | 1 | 22393 | 6 9 | 38000 | 230000 | 2940 | 3000> | 20.2 | 7.1 | 1.2 | 0.040 |
| 80 09 23 1030 | | .3 | 1 | 22443 | 6 | 23000 | 210000 | 1840 | 2800 | 15.5 | 8.5 | 2.0 | 0.105 |
| 80 10 20 1020 | | .3 | 1 | 22493 | 6 | 2700C | 31000 | 120 | 390 | 6.7 | 11.4 | | |
| 80 11 27 1025 | | .3 | 1 | 22565 | 6 | | | | | 0.0 | 10.4 | 0.2 | 0.025 |
| 80 12 18 1115 | | .3 | 1 | 22622 | 8 | 1900 | 7500 | 60I | 140I | | | 1.6 | 0.018 |
| MAXIMUM | | | | | | 138000 | 230000 | 17000 | 5500> | 20.2 | 11.6 | 2.2 | 0.338 |
| ARITH MEAN | | | | | | 33880 | 106870 | 5202 | 1640G | 9.0 | 9.4 | 1.2 | 0.100 |
| GEOM MEAN | | | | | | 9905 | 54605 | 1305 | 682G | 5.0 | 9.2 | 1.0 | 0.066 |
| MINIMUM | | | | | | 200 | 7500 | 40 | 10 | 0.0 | 6.4 | 0.2 | 0.018 |
| STD DEV | | | | | | 44992 | 97590 | 6095 | 1730G | 8.2 | 1.8 | 0.7 | 0.100 |
| NO OF SAMPLES | | | | | | 10 | 10 | 10 | 10 | 11 | 11 | 11 | 11 |

| TEST-NAME: | STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | | | | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 14 1020 | | .3 | 1 | 0.037 | 0.640 | 1.400 | 0.210 | 6.040 | 6.890 | 0.760 | 7.650 | 429.0 | 47.0 |
| 80 02 18 1010 | | .3 | 1 | 0.240 | 2.650 | 3.250 | 0.092 | 12.300 | 15.042 | 0.600 | 15.642 | 461.0 | 24.0 |
| 80 03 17 1040 | | .3 | 1 | 0.155 | 2.070 | 2.580 | 0.049 | 4.900 | 7.019 | 0.510 | 7.529 | 414.0 | 21.0 |
| 80 04 14 1140 | | .3 | 1 | 0.024 | 0.126 | 0.650 | 0.014 | 1.440 | 1.580 | 0.524 | 2.104 | 401.0 | 36.0 |
| 80 05 20 1115 | | .3 | 1 | 0.003 | 0.022 | 0.390 | 0.010 | 0.310 | 0.342 | 0.368 | 0.710 | 363.0 | 18.0 |
| 80 06 23 1100 | | .3 | 1 | 0.002 | 0.730 | 0.880 | 0.013 | 0.392 | 1.135 | 0.150 | 1.285 | 314.0 | 13.0 |
| 80 07 24 0930 | | .3 | 1 | 0.017 | 0.050 | 0.550 | 0.015 | 0.509 | 0.574 | 0.500 | 1.074 | 395.0 | 68.0 |
| 80 08 12 1000 | | .3 | 1 | 0.003 | 0.010 | 0.38 | 0.007 | 0.258 | 0.275 | 0.370 | 0.645 | 275 | 18 |
| 80 09 23 1030 | | .3 | 1 | 0.013 | 0.040 | 0.55 | 0.008 | 0.532 | 0.580 | 0.510 | 1.090 | 355 | 109 |
| 80 11 27 1025 | | .3 | 1 | 0.001 | 0.008 | 0.250 | 0.006 | 0.877 | 0.891 | 0.242 | 1.133 | 366.0 | 13.0 |
| 80 12 18 1115 | | .3 | 1 | 0.011 | 0.128 | 0.400 | 0.009 | 1.440 | 1.577 | 0.272 | 1.849 | 422.0 | 13.0 |
| MAXIMUM | | | | 0.240 | 2.650 | 3.250 | 0.210 | 12.300 | 15.042 | 0.760 | 15.642 | 461.0 | 109 |
| ARITH MEAN | | | | 0.046 | 0.589 | 1.02 | 0.039 | 2.636 | 3.264 | 0.437 | 3.701 | 381 | 34 |
| GEOM MEAN | | | | 0.013 | 0.128 | 0.72 | 0.018 | 1.170 | 1.445 | 0.400 | 2.053 | 377 | 26 |
| MINIMUM | | | | 0.001 | 0.008 | 0.250 | 0.006 | 0.258 | 0.275 | 0.150 | 0.646 | 275 | 13.0 |
| STD DEV | | | | 0.078 | 0.921 | 0.99 | 0.062 | 3.756 | 4.623 | 0.176 | 4.725 | 53 | 30 |
| NO OF SAMPLES | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RSF | COND25 | CLIDUR | PH | FWPH | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | | | | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 01 14 1020 | | .3 | 1 | 382.0 | 600.0 | 34.000 | 7.98 | 7.5 | | | | | |
| 80 02 18 1010 | | .3 | 1 | 437.0 | 610.0 | 39.000 | 7.55 | 7.6 | | | | | |
| 80 03 17 1040 | | .3 | 1 | 393.0 | 670.0 | 50.500 | 7.87 | 7.6 | | | | | |
| 80 04 14 1140 | | .3 | 1 | 365.0 | 560.0 | 25.500 | 8.20 | 7.6 | | | | | |
| 80 05 20 1115 | | .3 | 1 | 345.0 | 550.0 | 23.000 | 7.96 | 7.5 | 0.030 | 0.020 | 0.030< | 0.005< | 0.010< |
| 80 06 23 1100 | | .3 | 1 | 301.0 | 475.0 | 17.000 | 8.20 | 7.8 | | | | | |
| 80 07 24 0930 | | .3 | 1 | 327.0 | 495.0 | 18.500 | 8.27 | 7.6 | | | | | |
| 80 08 12 1000 | | .3 | 1 | | 395 | 15.5 | 7.88 | 7.6 | | | | | |
| 80 09 23 1030 | | .3 | 1 | 246 | 425 | 20 | 8.05 | 7.5 | | | | | |
| 80 10 20 1020 | | .3 | 1 | | | | | 7.9 | | | | | |
| 80 11 27 1025 | | .3 | 1 | 353.0 | 580.0 | 24.000 | 8.21 | 7.4 | | | | | |
| 80 12 18 1115 | | .3 | 1 | 409.0 | 650.0 | 32.500 | 7.97 | | | | | | |
| MAXIMUM | | | | 437.0 | 670.0 | 50.500 | 8.27 | 7.9 | 0.030 | 0.020 | 0.030 | 0.005 | 0.010 |
| ARITH MEAN | | | | 355 | 546 | 27 | 8.01 | 7.6 | 0.030 | 0.020 | 0.030L | 0.005L | 0.010L |
| GEOM MEAN | | | | 351 | 539 | 25 | 8.01 | 7.6 | | | | | |
| MINIMUM | | | | 246 | 395 | 15.5 | 7.55 | 7.4 | 0.030 | 0.020 | 0.030< | 0.005< | 0.010< |
| STD DEV | | | | 55 | 89 | 10 | 0.21 | 0.1 | | | | | |
| NO OF SAMPLES | | | | 10 | 11 | 11 | 11 | 11 | 1 | 1 | 1 | 1 | 1 |

| | | | |
|---|---|---|---|
| B.O.W./ SITE | **DUFFINS CREEK** | STATION ID | **06-0104-005-02** |
| SAMPLE POINT | **HIGHWAY 2, PICKERING** | | |
| STATION TYPE | **RIVER** | | |
| MAJOR BASIN: | **GREAT LAKES** | STORET CODE | **02**<br>**004**<br>**3770** |
| MINOR BASIN: | **LAKE ONTARIO** | | |
| TERM STREAM: | **DUFFINS CREEK** | | |

LAT. LONG. U T M: **17 0655740.0 4857200.0 4** REGION **03** DISTANCE **5.793**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 14 1055 | | | .3 | 1 | 22028 | 6 | 10600C | 31000 | 100 | 540 | 0.0 | 12.0 | 0.4 | 0.110 |
| 80 02 18 1050 | | | .3 | 1 | 22100 | 4 | 400I | 1800 | 20I | 320 | 0.0 | 10.3 | 0.2 | 0.028 |
| 80 03 17 1115 | | | .3 | 1 | 22147 | 4 | 460 | 1450 | 70I | 240 | 1.2 | 9.2 | 0.4 | 0.030 |
| 80 04 14 1210 | | | .3 | 1 | 22196 | 6 | 2300 | 3900 | 550 | 580 | 3.9 | 11.9 | 0.6 | 0.066 |
| 80 05 20 1145 | | | .3 | 1 | 22245 | 6 | 1300 | 5800 | 20I | 10I | 15.1 | 10.6 | 1.0 | 0.015 |
| 80 06 23 1130 | | | .3 | 1 | 22295 | 6 | 1000 | 15000 | 408 | 172 | 18.8 | 7.9 | 1.0 | 0.025 |
| 80 07 24 1000 | | | .3 | 1 | 22376 | 6 | | | | | 18.0 | 7.2 | 1.2 | 0.084 |
| 80 08 12 1045 | | | .3 | 1 | 22395 | 6 | 13000 | 76000 | 1220 | 2280 | 20.9 | 8.8 | 0.6 | 0.043 |
| 80 09 23 1100 | | | .3 | 1 | 22445 | 6 | 33000 | 230000 | 2160 | 7000 | 15.3 | 8.9 | 2.0 | 0.165 |
| 80 10 20 1050 | | | .3 | 1 | 22495 | 6 | 1600C | 38000 | 110 | 1500> | 6.9 | 11.6 | | |
| 80 11 27 1100 | | | .3 | 1 | 22567 | 6 | | | | | 0.0 | 10.5 | 0.2 | 0.010 |
| 80 12 18 1150 | | | .3 | 1 | 22624 | 8 | 3200 | 19000 | 20I | 100I | | | 2.0 | 0.028 |
| **MAXIMUM** | | | | | | | **33000** | **230000** | **2160** | **7000>** | **20.9** | **12.0** | **2.0** | **0.165** |
| **ARITH MEAN** | | | | | | | **6686** | **42195** | **468** | **1274G** | **9.1** | **9.9** | **0.9** | **0.055** |
| **GEOM MEAN** | | | | | | | **2575** | **14255** | **143** | **398G** | **5.0** | **9.8** | **0.7** | **0.040** |
| **MINIMUM** | | | | | | | **400** | **1450** | **20** | **10** | **0.0** | **7.2** | **0.2** | **0.010** |
| **STD DEV** | | | | | | | **10244** | **69855** | **704** | **2135G** | **8.5** | **1.6** | **0.6** | **0.048** |
| **NO OF SAMPLES** | | | | | | | **10** | **10** | **10** | **10** | **11** | **11** | **11** | **11** |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 14 1055 | | | .3 | 1 | 0.021 | 0.112 | 0.750 | 0.012 | 1.340 | 1.464 | 0.638 | 2.102 | 402.0 | 90.0 |
| 80 02 18 1050 | | | .3 | 1 | 0.010 | 0.266 | 0.420 | 0.011 | 1.230 | 1.507 | 0.154 | 1.661 | 320.0 | 15.0 |
| 80 03 17 1115 | | | .3 | 1 | 0.015 | 0.242 | 0.510 | 0.011 | 1.090 | 1.343 | 0.268 | 1.611 | 320.0 | 12.0 |
| 80 04 14 1210 | | | .3 | 1 | 0.015 | 0.080 | 0.570 | 0.013 | 1.440 | 1.533 | 0.490 | 2.023 | 385.0 | 44.0 |
| 80 05 20 1145 | | | .3 | 1 | 0.001 | 0.014 | 0.340 | 0.010 | 0.290 | 0.314 | 0.326 | 0.640 | 326.0 | 7.0 |
| 80 06 23 1130 | | | .3 | 1 | 0.001 | 0.040 | 0.410 | 0.014 | 0.416 | 0.470 | 0.370 | 0.840 | 306.0 | 10.0 |
| 80 07 24 1000 | | | .3 | 1 | 0.011 | 0.024 | 0.550 | 0.011 | 0.455 | 0.490 | 0.526 | 1.016 | 363.0 | 55.0 |
| 80 08 12 1045 | | | .3 | 1 | 0.010 | 0.010 | 0.28 | 0.006 | 0.269 | 0.285 | 0.270 | 0.555 | 311 | 25 |
| 80 09 23 1100 | | | .3 | 1 | 0.012 | 0.054 | 0.65 | 0.017 | 0.578 | 0.649 | 0.596 | 1.245 | 383 | 130 |
| 80 11 27 1100 | | | .3 | 1 | 0.001 | 0.002 | 0.220 | 0.004 | 0.694 | 0.700 | 0.218 | 0.918 | 361.0 | 16.0 |
| 80 12 18 1150 | | | .3 | 1 | 0.007 | 0.122 | 0.500 | 0.009 | 1.340 | 1.471 | 0.378 | 1.849 | 412.0 | 34.0 |
| **MAXIMUM** | | | | | **0.021** | **0.266** | **0.750** | **0.017** | **1.440** | **1.533** | **0.638** | **2.102** | **412.0** | **130** |
| **ARITH MEAN** | | | | | **0.009** | **0.088** | **0.47** | **0.011** | **0.831** | **0.930** | **0.385** | **1.315** | **353** | **39** |
| **GEOM MEAN** | | | | | **0.006** | **0.043** | **0.44** | **0.010** | **0.702** | **0.777** | **0.354** | **1.198** | **351** | **26** |
| **MINIMUM** | | | | | **0.001** | **0.002** | **0.220** | **0.004** | **0.269** | **0.285** | **0.154** | **0.555** | **306.0** | **7.0** |
| **STD DEV** | | | | | **0.007** | **0.091** | **0.15** | **0.004** | **0.460** | **0.527** | **0.159** | **0.559** | **38** | **38** |
| **NO OF SAMPLES** | | | | | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** |

| TEST-NAME | | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 14 1055 | | | .3 | 1 | 312.0 | 475.0 | 17.500 | 8.07 | 7.5 |
| 80 02 18 1050 | | | .3 | 1 | 305.0 | 540.0 | 18.000 | 7.85 | 7.6 |
| 80 03 17 1115 | | | .3 | 1 | 308.0 | 520.0 | 23.000 | 8.09 | 7.7 |
| 80 04 14 1210 | | | .3 | 1 | 341.0 | 530.0 | 21.500 | 8.22 | 7.6 |
| 80 05 20 1145 | | | .3 | 1 | 319.0 | 495.0 | 17.500 | 8.12 | 7.7 |
| 80 06 23 1130 | | | .3 | 1 | 296.0 | 455.0 | 14.500 | 8.31 | 7.9 |
| 80 07 24 1000 | | | .3 | 1 | 308.0 | 485.0 | 16.000 | 8.34 | 7.8 |
| 80 08 12 1045 | | | .3 | 1 | | 440 | 17.5 | 8.31 | 7.9 |
| 80 09 23 1100 | | | .3 | 1 | 253 | 455 | 16.0 | 8.16 | 7.6 |
| 80 10 20 1050 | | | .3 | 1 | | | | | 8.0 |
| 80 11 27 1100 | | | .3 | 1 | 345.0 | 550.0 | 18.500 | 8.22 | 7.3 |
| 80 12 18 1150 | | | .3 | 1 | 378.0 | 600.0 | 20.500 | 8.16 | |
| **MAXIMUM** | | | | | **378.0** | **600.0** | **23.000** | **8.34** | **8.0** |
| **ARITH MEAN** | | | | | **316** | **504** | **18.2** | **8.17** | **7.7** |
| **GEOM MEAN** | | | | | **314** | **502** | **18.0** | **8.17** | **7.7** |
| **MINIMUM** | | | | | **253** | **440** | **14.500** | **7.85** | **7.3** |
| **STD DEV** | | | | | **33** | **48** | **2.5** | **0.14** | **0.2** |
| **NO OF SAMPLES** | | | | | **10** | **11** | **11** | **11** | **11** |

B.O.W./ SITE: **STOUFFVILLE CREEK**
SAMPLE POINT: **DOWNSTREAM FROM STOUFFVILLE STP.**
STATION TYPE: **RIVER FLOW GAUGE FED 02HC035**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **DUFFINS CREEK**

STATION ID: **06-0104-0[illegible]1-02**
STORET CODE: **02**
**004**
**3770**

LAT:
LONG:
U T M: **17 0641000.0 4869475.0 4**
REGION: **03**
DISTANCE: **27.880**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
| 80 01 14 1230 | | | .3 | 1 | 22033 | 6 | 0.159 | 20000 | 29000 | 20I | 380 | 3.9 | 9.4 | 5.4 |
| 80 02 18 1245 | | | .3 | 1 | 22105 | 4 | 0.060 | 600I | 3500 | 10< | 10I | 2.2 | 9.0 | 5.8 |
| 80 03 17 1255 | | | .3 | 1 | 22152 | 6 | 0.170 | 1140 | 3600 | 10< | 120 | 5.2 | 7.8 | 20.0 |
| 80 04 14 1430 | | | .3 | 1 | 22204 | 6 | 0.620 | 770000 | 1400000 | 104000 | 6900 | 5.2 | 10.6 | 5.4 |
| 80 05 20 1500 | | | .3 | 1 | 22254 | 6 | 0.072 | 1000 | 2800 | 10< | 10< | 20.5 | 14.4 | 2.6 |
| 80 06 23 1415 | | | .3 | 1 | 22305 | 6 | 0.074 | 15000> | 15000 | 540 | 170 | 21.1 | 8.7 | 2.4 |
| 80 07 24 1310 | | | .3 | 1 | 22385 | 6 | 0.091 | | | | | 21.0 | 7.9 | 1.6 |
| 80 08 12 1400 | | | .3 | 1 | 22404 | 6 | 0.104 | 250000 | 290000 | 12000 | 850 | 21.7 | 10.4 | 1.4 |
| 80 09 23 1405 | | | .3 | 1 | 22454 | 6 | 0.162 | 55000 | 140000 | 2500 | 640 | 17.2 | 9.2 | 1.0 |
| 80 10 20 1405 | | | .3 | 1 | 22504 | 6 | 0.115 | 35000 | 73000 | 1050 | 180I | 9.1 | 11.4 | |
| 80 12 18 1430 | | | .3 | 1 | 22632 | 8 | 0.120 | 99000 | 170000 | 2900 | 960 | | | 7.5 |
| MAXIMUM | | | | | | | 0.620 | 770000> | 1400000 | 104000 | 6900 | 21.7 | 14.4 | 20.0 |
| ARITH MEAN | | | | | | | 0.159 | 124674G | 212690 | 12304L | 1022L | 12.7 | 9.9 | 5.3 |
| GEOM MEAN | | | | | | | 0.125 | 19394G | 40128 | 399L | 234L | 9.7 | 9.7 | 3.6 |
| MINIMUM | | | | | | | 0.060 | 600 | 2800 | 10< | 10< | 2.2 | 7.8 | 1.0 |
| STD DEV | | | | | | | 0.158 | 239129G | 427740 | 32425L | 2093L | 8.3 | 2.0 | 5.6 |
| NO OF SAMPLES | | | | | | | 11 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
| 80 01 14 1230 | | | 3 | 1 | 0.477 | 0.255 | 2.020 | 3.730 | 0.095 | 2.000 | 4.115 | 1.710 | 5.825 | 452.0 |
| 80 02 18 1245 | | | .3 | 1 | 0.361 | 0.066 | 4.200 | 5.570 | 0.170 | 3.100 | 7.470 | 1.370 | 8.840 | 486.0 |
| 80 03 17 1255 | | | .3 | 1 | 0.413 | 0.063 | 4.500 | 5.930 | 0.115 | 2.090 | 6.705 | 1.430 | 8.135 | 531.0 |
| 80 04 14 1430 | | | .3 | 1 | 0.398 | 0.079 | 4.300 | 7.110 | 0.078 | 2.370 | 6.748 | 2.810 | 9.558 | 461.0 |
| 80 05 20 1500 | | | .3 | 1 | 0.165 | 0.095 | 0.382 | 0.940 | 0.520 | 10.000 | 10.902 | 0.558 | 11.460 | 650.0 |
| 80 06 23 1415 | | | .3 | 1 | 0.377 | 0.300 | 0.460 | 1.140 | 0.340 | 5.260 | 6.060 | 0.680 | 6.740 | 424.0 |
| 80 07 24 1310 | | | 3 | 1 | 0.151 | 0.110 | 0.134 | 0.680 | 0.405 | 4.590 | 5.129 | 0.546 | 5.675 | 448.0 |
| 80 08 12 1400 | | | 3 | 1 | 0.208 | 0.245 | 0.017 | 0.88 | 0.054 | 5.95 | 6.021 | 0.863 | 6.884 | 496 |
| 80 09 23 1405 | | | .3 | 1 | 0.166 | 0.040 | 0.028 | 0.71 | 0.084 | 3.67 | 3.782 | 0.682 | 4.464 | 358 |
| 80 12 18 1430 | | | .3 | 1 | 0.380 | 0.056 | 1.340 | 2.620 | 0.340 | 3.500 | 5.180 | 1.280 | 6.460 | 511.0 |
| MAXIMUM | | | | | 0.477 | 0.300 | 4.500 | 7.110 | 0.520 | 10.000 | 10.902 | 2.810 | 11.460 | 650.0 |
| ARITH MEAN | | | | | 0.310 | 0.131 | 1.738 | 2.93 | 0.220 | 4.25 | 6.211 | 1.193 | 7.404 | 481 |
| GEOM MEAN | | | | | 0.285 | 0.104 | 0.549 | 2.00 | 0.166 | 3.76 | 5.950 | 1.039 | 7.148 | 476 |
| MINIMUM | | | | | 0.151 | 0.040 | 0.017 | 0.680 | 0.054 | 2.000 | 3.782 | 0.546 | 4.464 | 358 |
| STD DEV | | | | | 0.123 | 0.097 | 1.898 | 2.48 | 0.166 | 2.41 | 2.020 | 0.702 | 2.093 | 76 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | RSP | RSF | COND25 | CLIDUR | PH | FWPH |
| 80 01 14 1230 | | | .3 | 1 | 23.0 | 429.0 | 680.0 | 53.000 | 7.84 | 7.7 |
| 80 02 18 1245 | | | 3 | 1 | 23.0 | 463.0 | 640.0 | 83.000 | 7.96 | 7.8 |
| 80 03 17 1255 | | | 3 | 1 | 43.0 | 488.0 | 850.0 | 103.000 | 8.00 | 7.7 |
| 80 04 14 1430 | | | 3 | 1 | 24.0 | 437.0 | 700.0 | 50.500 | 7.79 | 7.4 |
| 80 05 20 1500 | | | 3 | 1 | 8.0 | 642.0 | 800.0 | 81.000 | 8.21 | 7.8 |
| 80 06 23 1415 | | | .3 | 1 | 6.0 | 418.0 | 600.0 | 46.000 | 8.30 | 8.0 |
| 80 07 24 1310 | | | 3 | 1 | 4.0 | 444.0 | 650.0 | 66.000 | 8.30 | 7.9 |
| 80 08 12 1400 | | | 3 | 1 | 5 | 49.1 | 700 | 8.15 | 8.43 | 8.1 |
| 80 09 23 1405 | | | 3 | 1 | 12 | 346 | 600 | 44.0 | 8.24 | 7.6 |
| 80 10 20 1405 | | | 3 | 1 | | | | | | 7.9 |
| 80 12 18 1430 | | | 3 | 1 | 45.0 | 466.0 | 740.0 | 62.000 | 7.84 | |
| MAXIMUM | | | | | 45.0 | 642.0 | 850.0 | 103.000 | 8.43 | 8.1 |
| ARITH MEAN | | | | | 19 | 418 | 696 | 59.6 | 8.09 | 7.8 |
| GEOM MEAN | | | | | 14 | 363 | 691 | 51.2 | 8.09 | 7.8 |
| MINIMUM | | | | | 4.0 | 49.1 | 600.0 | 8.15 | 7.79 | 7.4 |
| STD DEV | | | | | 15 | 149 | 81 | 26.1 | 0.23 | 0.2 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 |

B.O.W./ SITE: **STOUFFVILLE CREEK**
SAMPLE POINT: **FIRST ROAD NORTH OF STOUFFVILLE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **DUFFINS CREEK**

STATION ID: **06-0104-012-02**
STORET CODE: **02**
**004**
**3770**

LAT:
LONG:
U T M: **17 0640000.0 4871900.0 4**
REGION: **03**
DISTANCE: **34.117**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | FECAL COLIFORM MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | FCMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
| 80 01 14 1215 | | | .3 | 1 | 22032 | 6 | 4000 | 20I | 3.0 | 9.5 | | 0.085 | | 0.042 |
| 80 02 18 1225 | | | 3 | 1 | 22104 | 6 | 1800 | 4< | 2.0 | 9.1 | | 0.017 | | 0.060 |
| 80 03 17 1230 | | | 3 | 1 | 22151 | 6 | 5000 | 330 | 2.9 | 8.9 | | 0.131 | | 0.284 |
| 80 04 14 1410 | | | 3 | 1 | 22203 | 6 | 430 | 10I | 3.8 | 11.0 | | 0.043 | | 0.044 |
| 80 05 20 1445 | | | 3 | 1 | 22253 | 6 | 1000 | 164 | 17.3 | 9.0 | | 0.062 | | 0.014 |
| 80 06 23 1400 | | | 3 | 1 | 22303 | 6 | 1600 | 88 | 17.1 | 8.0 | | 0.037 | | 0.022 |
| 80 07 24 1250 | | | 3 | 1 | 22384 | 6 | | | 16.7 | 6.7 | | 0.045 | | 0.082 |
| 80 08 12 1345 | | | 3 | 1 | 22403 | 6 | 14000 | 560 | 16.9 | 7.8 | | 0.037 | | 0.033 |
| 80 09 23 1345 | | | 3 | 1 | 22453 | 6 | 2300 | 150 | 13.9 | 8.1 | | | | |
| 80 10 20 1345 | | | .3 | 1 | 22503 | 6 | 1000 | 10I | 7.4 | 10.1 | | | | |
| 80 11 27 1345 | | | 3 | 1 | 22575 | 6 | 500I | 10I | 2.9 | 8.9 | | 0.032 | | 0.014 |
| 1400 | | | 3 | 1 | 22576 | 6 | | | 3.4 | 9.8 | 2.2 | 0.188 | 0.120 | 0.560 |
| 80 12 18 1415 | | | .3 | 1 | 22631 | 8 | 1600 | 20< | | | | 0.032 | | 0.040 |

(CONTD)

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **STOUFFVILLE CREEK**
SAMPLE POINT: **FIRST ROAD NORTH OF STOUFFVILLE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **DUFFINS CREEK**

STATION ID: **06-0104-012-02**
STORET CODE: **02**
**004**
**3770**

LAT LONG: U.T.M: **17 0640000.0 4871900.0 4** REGION: **03** DISTANCE: **34.117**

| | | | TEST-NAME: | | SAMPLE | FWSTRC | TCMF | FCMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | FECAL COLIFORM MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| MAXIMUM | | | | | | | 14000 | 560 | 17.3 | 11.0 | 2.2 | 0.188 | 0.120 | 0.560 |
| ARITH MEAN | | | | | | | 3021 | 124L | 8.9 | 8.9 | 2.2 | 0.064 | 0.120 | 0.109 |
| GEOM MEAN | | | | | | | 1799 | 42L | 6.5 | 8.8 | | 0.051 | | 0.052 |
| MINIMUM | | | | | | | 430 | 4< | 2.0 | 6.7 | 2.2 | 0.017 | 0.120 | 0.014 |
| STD DEV | | | | | | | 3908 | 176L | 6.7 | 1.2 | | 0.052 | | 0.168 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 12 | 12 | 1 | 11 | 1 | 11 |

| | | | TEST-NAME: | | NNO2FR | NNO3FR | NNTIFR | RST | RSP | RSF | COND25 | TURB | CLIDUR | ALKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 |
| 80 01 14 1215 | | | .3 | 1 | | | | | 46 0 | | 475 0 | | | |
| 80 02 18 1225 | | | .3 | 1 | | | | | 29 00 | | 510 0 | 8 40 | | 223 |
| 80 03 17 1230 | | | .3 | 1 | | | | | 402 00 | | 380 0 | 120 00 | | 174 0 |
| 80 04 14 1410 | | | .3 | 1 | | | | | 16 00 | | 500 0 | 3 00 | | 205 0 |
| 80 05 20 1445 | | | 3 | 1 | | | | | 33 00 | | 490 0 | 7 00 | | 224 0 |
| 80 06 23 1400 | | | .3 | 1 | | | | | 15 00 | | 465 0 | 5 00 | | 219 0 |
| 80 07 24 1250 | | | .3 | 1 | | | | | 13 00 | | 495 0 | 2 80 | | 221 0 |
| 80 08 12 1345 | | | .3 | 1 | | | | | 11 | | 470 | 4 2 | | 215 |
| 80 11 27 1345 | | | .3 | 1 | | | | | 25 00 | | 530 0 | 6 50 | | 237 0 |
| 1400 | | | .3 | 1 | 0 275 | 4 000 | 4 835 | 458 0 | 12 0 | 446 0 | 700 0 | | 51 000 | |
| 80 12 18 1415 | | | 3 | 1 | | | | | 30 00 | | 540 0 | 5 30 | | 236 0 |
| MAXIMUM | | | | | 0.275 | 4.000 | 4.835 | 458.0 | 402.00 | 446.0 | 700.0 | 120.00 | 51.000 | 237.0 |
| ARITH MEAN | | | | | 0.275 | 4.000 | 4.835 | 458.0 | 57 | 446.0 | 505 | 18.0 | 51.000 | 217 |
| GEOM MEAN | | | | | | | | | 26 | | 500 | 7.0 | | 216 |
| MINIMUM | | | | | 0.275 | 4.000 | 4.835 | 458.0 | 11 | 446.0 | 380.0 | 2.80 | 51.000 | 174.0 |
| STD DEV | | | | | | | | | 114 | | 77 | 38.2 | | 18 |
| NO OF SAMPLES | | | | | 1 | 1 | 1 | 1 | 11 | 1 | 11 | 9 | 1 | 9 |

| | | | TEST-NAME: | | PH | FWPH | PHNOL | FEUT | ASUT | ALUT | CRUT | CUUT | PBUT | CDUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD |
| 80 01 14 1215 | | | .3 | 1 | 7 91 | 7.5 | | | | | | | | |
| 80 02 18 1225 | | | .3 | 1 | 7 99 | 7.7 | 1 000< | 1 100 | 0 001 | | 0 020< | 0 030 | 0 030< | 0 005 < |
| 80 03 17 1230 | | | .3 | 1 | 7 75 | 7.4 | | 15.000 | 0 003 | | 0 020 | 0 010 | 0 030< | 0 005 < |
| 80 04 14 1410 | | | .3 | 1 | 7 93 | 7.3 | 1 000< | 0 620 | 0 001 | | 0 020< | 0 010< | 0 030< | 0 005 < |
| 80 05 20 1445 | | | .3 | 1 | 7 80 | 7.4 | 1 000< | 1 060 | 0 001< | | 0 020< | 0 020 | 0 030< | 0 005 < |
| 80 06 23 1400 | | | .3 | 1 | 8 19 | 7.9 | 1 000< | 0 570 | 0 001< | | 0 030 | 0 010< | 0 030< | 0 005 |
| 80 07 24 1250 | | | .3 | 1 | 8 00 | | 1 000< | 0 480 | | | | | | |
| 80 08 12 1345 | | | 3 | 1 | 8 06 | 7 7 | 1 < | 0 50 | 0 001< | | 0 002< | 0 003 | 0 002 | 0 0001< |
| 80 09 23 1345 | | | .3 | 1 | | 7.3 | | | 0 001< | | 0 002< | 0 005 | 0 003< | 0 0002< |
| 80 10 20 1345 | | | .3 | 1 | | 7.7 | | | | | | | | |
| 80 11 27 1345 | | | .3 | 1 | 8 02 | 7.5 | 1 000< | 0 730 | 0 001< | | | 0 004 | 0 003< | 0 0002< |
| 1400 | | | .3 | 1 | 8 03 | 7.9 | | | | | | | | |
| 80 12 18 1415 | | | .3 | 1 | 7 88 | | 1 000< | 0 910 | 0 001< | 0 340 | 0 001< | 0 001 | 0 003< | 0 0002< |
| MAXIMUM | | | | | 8.19 | 7.9 | 1.000 | 15.000 | 0.003 | 0.340 | 0.030 | 0.030 | 0.030 | 0.005 |
| ARITH MEAN | | | | | 7.96 | 7.6 | 1 L | 2.33 | 0.001L | 0.340 | 0.014L | 0.010L | 0.018L | 0.002 L |
| GEOM MEAN | | | | | 7.96 | 7.6 | 1 L | 0.99 | 0.001L | | 0.008L | 0.007L | 0.010L | 0.001 L |
| MINIMUM | | | | | 7.75 | 7.3 | 1.000< | 0.480 | 0.001< | 0.340 | 0.001< | 0.001< | 0.002< | 0.0001< |
| STD DEV | | | | | 0.12 | 0.2 | 0 L | 4.75 | 0.001L | | 0.011L | 0.009L | 0.014L | 0.002 L |
| NO OF SAMPLES | | | | | 11 | 11 | 8 | 9 | 9 | 1 | 8 | 9 | 9 | 9 |

| | | | TEST-NAME: | | ZNUT | NIUT | COUT | CCNAUR | P1PCBT | P3245T |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN | PCB TOTAL UG/L | 2,4,5,T UG/L |
| 80 02 18 1225 | | | 3 | 1 | 0 020 | 0 020< | | | 0 020R | |
| 80 03 17 1230 | | | .3 | 1 | 0 050 | 0 020< | | | | |
| 80 04 14 1410 | | | .3 | 1 | 0 010< | 0 020< | | 0 010< | 0 020R | |
| 80 05 20 1445 | | | .3 | 1 | 0 010< | 0 020< | | 0 010< | 0 020R | |
| 80 06 23 1400 | | | 3 | 1 | 0 010< | 0 020< | | 0 010< | 0 020R | |
| 80 07 24 1250 | | | 3 | 1 | | | | | 0 020 | 0 050R |
| 80 08 12 1345 | | | .3 | 1 | 0 006 | 0 002< | | 0 01 < | | |
| 80 09 23 1345 | | | .3 | 1 | 0 001< | 0 002< | | 0 01 < | 0 020R | 0 050R |
| 80 10 20 1345 | | | .3 | 1 | | | | | 0 020R | 0 050R |
| 80 11 27 1345 | | | 3 | 1 | 0 004 | 0 003 | | 0 010< | 0 020R | 0 050R |
| 80 12 18 1415 | | | .3 | 1 | 0 004 | 0 003< | 0 0005< | | 0 020R | |
| MAXIMUM | | | | | 0.050 | 0.020 | 0.0005 | 0.010 | | 0.050 |
| ARITH MEAN | | | | | 0.013L | 0.012L | 0.0005L | 0.01 L | | 0.0508 |
| GEOM MEAN | | | | | 0.008L | 0.008L | | 0.01 L | | 0.0508 |
| MINIMUM | | | | | 0.001< | 0.002< | 0.0005< | 0.010< | | 0.050 |
| STD DEV | | | | | 0.015L | 0.009L | | 0.00 L | | 0.0008 |
| NO OF SAMPLES | | | | | 9 | 9 | 1 | 6 | | 4 |

B.O.W./ SITE: **GANATESKIAGON CREEK**
SAMPLE POINT: **AT CONCESSION 4**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **DUFFINS CREEK**

STATION ID: **06-0104-022-02**
STORET CODE: **02**
**004**
**3770**

LAT: LONG: U T M: **17 0652700.0 4860325.0 4** REGION: **03** DISTANCE: **10.732**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 14 1140 | | | .3 | 1 | 22031 | 4 | 1500> | 1500> | 16 | 116 | 1.0 | 11.4 | 0.022 | 0.056 |
| 80 02 18 1200 | | | .3 | 1 | 22103 | 6 | 120I | 740 | 4< | 28 | 0.0 | 10.1 | 0.023 | 0.094 |
| 80 03 17 1210 | | | .3 | 1 | 22150 | 6 | 360 | 800 | 4< | 24 | 3.1 | 9.1 | 0.052 | 0.092 |
| 80 04 14 1300 | | | .3 | 1 | 22199 | 6 | 380 | 1200 | 1000 | 36 | 4.0 | 12.0 | 0.021 | 0.036 |
| 80 05 20 1230 | | | .3 | 1 | 22248 | 6 | 660C | 12200 | 40I | 72 | 13.1 | 10.2 | 0.010 | 0.020 |
| 80 06 23 1215 | | | .3 | 1 | 22298 | 6 | 780C | 8200 | 32 | 88 | 13.8 | 8.2 | 0.017 | 0.100 |
| 80 07 24 1045 | | | .3 | 1 | 22379 | 6 | | | | | 14.8 | 7.5 | 0.029 | 0.050 |
| 80 08 12 1215 | | | .3 | 1 | 22398 | 6 | 4000C | 33000 | 420 | 1140 | 17.5 | 8.1 | 0.025 | 0.044 |
| 80 09 23 1220 | | | .3 | 1 | 22448 | 6 | 2700 | 20000 | 440 | 1400 | 13.9 | 8.6 | 0.023 | 0.026 |
| 80 10 20 1200 | | | .3 | 1 | 22498 | 6 | 1200 | 4400 | 60I | 360 | 7.2 | 10.8 | | |
| 80 11 27 1200 | | | .3 | 1 | 22570 | 6 | | | | | 2.0 | 9.9 | 0.009 | 0.044 |
| 80 12 18 1245 | | | .3 | 1 | 22627 | 8 | | 1900 | 10I | 10I | | | 0.008 | 0.058 |
| MAXIMUM | | | | | | | 4000> | 33000> | 1000 | 1400 | 17.5 | 12.0 | 0.052 | 0.100 |
| ARITH MEAN | | | | | | | 1300G | 8394G | 203L | 327 | 8.2 | 9.6 | 0.022 | 0.056 |
| GEOM MEAN | | | | | | | 818G | 3775G | 45L | 100 | 5.4 | 9.5 | 0.019 | 0.050 |
| MINIMUM | | | | | | | 120 | 740 | 4< | 10 | 0.0 | 7.5 | 0.008 | 0.020 |
| STD DEV | | | | | | | 1280G | 10689G | 328L | 511 | 6.5 | 1.4 | 0.012 | 0.028 |
| NO OF SAMPLES | | | | | | | 9 | 10 | 10 | 10 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | COND25 | PH | FWPH |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | PH | PH FIELD |
| 80 01 14 1140 | | | .3 | 1 | 470.0 | 8.08 | 7.6 |
| 80 02 18 1200 | | | .3 | 1 | 505.0 | 7.96 | 7.6 |
| 80 03 17 1210 | | | .3 | 1 | 485.0 | 8.06 | 7.7 |
| 80 04 14 1300 | | | .3 | 1 | 500.0 | 8.15 | 7.7 |
| 80 05 20 1230 | | | .3 | 1 | 500.0 | 7.99 | 7.6 |
| 80 06 23 1215 | | | .3 | 1 | 470.0 | 8.13 | 7.7 |
| 80 07 24 1045 | | | .3 | 1 | 500.0 | 8.11 | 7.6 |
| 80 08 12 1215 | | | .3 | 1 | 475 | 8.09 | 7.7 |
| 80 09 23 1220 | | | .3 | 1 | 490 | 8.13 | 7.4 |
| 80 10 20 1200 | | | .3 | 1 | | | 7.7 |
| 80 11 27 1200 | | | .3 | 1 | 540.0 | 8.12 | 7.1 |
| 80 12 18 1245 | | | .3 | 1 | 540.0 | 8.09 | |
| MAXIMUM | | | | | 540.0 | 8.15 | 7.7 |
| ARITH MEAN | | | | | 497 | 8.08 | 7.6 |
| GEOM MEAN | | | | | 497 | 8.08 | 7.6 |
| MINIMUM | | | | | 470.0 | 7.96 | 7.1 |
| STD DEV | | | | | 24 | 0.06 | 0.2 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 |

B.O.W./ SITE: **GANATESKIAGON**
SAMPLE POINT: **ON BROCK ROAD SOUTH OF CONCESSION 8**
STATION TYPE: **RIVER FLOW GAUGE FED 02HC114**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **DUFFINS CREEK**

STATION ID: **06-0104-024-02**
STORET CODE: **02**
**004**
**3770**

LAT: LONG: U T M: **17 0654245.0 4858200.0 4** REGION: **03** DISTANCE: **8.207**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 14 1110 | | | .3 | 1 | 22029 | 4 | | 3000> | 3000> | 10I | 140 | 0.0 | 11.9 | 0.043 |
| 80 02 18 1115 | | | .3 | 1 | 22101 | 4 | | 100I | 700 | 10< | 10< | 0.0 | 10.8 | 0.021 |
| 80 03 17 1135 | | | .3 | 1 | 22148 | 4 | | 1040C | 2600 | 20I | 20I | 1.2 | 10.6 | 0.026 |
| 80 04 14 1230 | | | .3 | 1 | 22197 | 6 | 1.010 | 220 | 2000 | 20I | 40I | 4.0 | 11.8 | 0.035 |
| 80 05 20 1200 | | | .3 | 1 | 22246 | 6 | 0.081 | 480C | 14000 | 104 | 52 | 14.1 | 10.5 | 0.008 |
| 80 06 23 1145 | | | .3 | 1 | 22296 | 6 | 0.057 | 1040C | 6600 | 192 | 280 | 16.2 | 8.5 | 0.008 |
| 80 07 24 1015 | | | .3 | 1 | 22377 | 6 | 0.046 | | | | | 16.9 | 7.4 | 0.021 |
| 80 08 12 1110 | | | .3 | 1 | 22396 | 6 | 0.050 | 5500C | 50500 | 1360 | 2900 | 19.1 | 8.9 | 0.023 |
| 80 09 23 1120 | | | .3 | 1 | 22446 | 6 | 0.072 | 18000 | 170000 | 1020 | 2900 | 15.0 | 9.2 | 0.033 |
| 80 10 20 1115 | | | .3 | 1 | 22496 | 6 | 0.047 | 800I | 10200 | 80I | 100I | 7.1 | 12.4 | |
| 80 11 27 1130 | | | .3 | 1 | 22568 | 6 | 0.055 | | | | | 0.0 | 10.6 | 0.005 |
| 80 12 18 1210 | | | .3 | 1 | 22625 | 8 | | 140I | 2200 | 10< | 140I | | | 0.149 |
| MAXIMUM | | | | | | | 1.010 | 18000> | 170000> | 1360 | 2900 | 19.1 | 12.4 | 0.149 |
| ARITH MEAN | | | | | | | 0.177 | 3032G | 26180G | 283L | 658L | 8.5 | 10.2 | 0.034 |
| GEOM MEAN | | | | | | | 0.082 | 908G | 6743G | 62L | 134L | 4.9 | 10.1 | 0.022 |
| MINIMUM | | | | | | | 0.046 | 100 | 700 | 10< | 10< | 0.0 | 7.4 | 0.005 |
| STD DEV | | | | | | | 0.337 | 5522G | 52668G | 488L | 1184L | 7.8 | 1.6 | 0.040 |
| NO OF SAMPLES | | | | | | | 8 | 10 | 10 | 10 | 10 | 11 | 11 | 11 |

(CONTD)

B.O.W./ SITE: **GANATESKIAGON**
SAMPLE POINT: **ON BROCK ROAD SOUTH OF CONCESSION 8**
STATION TYPE: **RIVER FLOW GAUGE FED 02HC114**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **DUFFINS CREEK**

STATION ID: **06-0104-024-02**
STORET CODE: **02**
**004**
**3770**

LAT: LONG: U.T.M. **17 0654245.0 4858200.0 4** REGION: **03** DISTANCE: **8.207**

| TEST-NAME: | | | | NNHTFR | COND25 | PH | FWPH |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NH3-N TOTAL FIL.REAC MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | PH | PH FIELD |
| 80 01 14 1110 | | | .3 | 1 | 0.056 | 490.0 | 8.06 | 7.6 |
| 80 02 18 1115 | | | .3 | 1 | 0.074 | 520.0 | 7.87 | 7.6 |
| 80 03 17 1135 | | | .3 | 1 | 0.080 | 515.0 | 8.05 | 7.7 |
| 80 04 14 1230 | | | .3 | 1 | 0.038 | 530.0 | 8.25 | 7.7 |
| 80 05 20 1200 | | | .3 | 1 | 0.024 | 550.0 | 8.11 | 7.7 |
| 80 06 23 1145 | | | .3 | 1 | 0.136 | 490.0 | 8.22 | 7.9 |
| 80 07 24 1015 | | | .3 | 1 | 0.018 | 550.0 | 8.29 | 7.8 |
| 80 08 12 1110 | | | .3 | 1 | 0.022 | 465 | 8.38 | 8.0 |
| 80 09 23 1120 | | | .3 | 1 | 0.014 | 465 | 8.20 | 7.6 |
| 80 10 20 1115 | | | .3 | 1 | | | | 8.0 |
| 80 11 27 1130 | | | .3 | 1 | 0.004 | 580.0 | 8.20 | 7.3 |
| 80 12 18 1210 | | | .3 | 1 | 0.044 | 580.0 | 8.10 | |
| MAXIMUM | | | | | 0.136 | 580.0 | 8.38 | 8.0 |
| ARITH MEAN | | | | | 0.046 | 523 | 8.17 | 7.7 |
| GEOM MEAN | | | | | 0.032 | 521 | 8.16 | 7.7 |
| MINIMUM | | | | | 0.004 | 465 | 7.87 | 7.3 |
| STD DEV | | | | | 0.039 | 38 | 0.14 | 0.2 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 |

B.O.W./ SITE: **URFE CREEK**
SAMPLE POINT: **AT CONCESSION 3 EAST OF BROCK ROAD**
STATION TYPE: **RIVER FLOW GAUGE MOE 02HC116**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **DUFFINS CREEK**

STATION ID: **06-0104-026-02**
STORET CODE: **02**
**004**
**3770**

LAT: LONG: U.T.M. **17 0654700.0 4858975.0 4** REGION: **03** DISTANCE: **8.207**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 14 1125 | | | .3 | 1 | 22030 | 4 | 12100C | 78000 | 3100 | 830 | 0.0 | 11.6 | 0.085 | 0.212 |
| 80 02 18 1135 | | | .3 | 1 | 22102 | 4 | 15000> | 15000> | 3000> | 1500> | 0.0 | 10.0 | 0.128 | 2.900 |
| 80 03 17 1150 | | | .3 | 1 | 22149 | 4 | 28000 | 75000 | 9300 | 14000 | 1.3 | 10.2 | 0.165 | 0.650 |
| 80 04 14 1245 | | | .3 | 1 | 22198 | 6 | 5700 | 19000 | 20 | 4800 | 4.0 | 11.9 | 0.070 | 0.122 |
| 80 05 20 1215 | | | .3 | 1 | 22247 | 6 | 1000 | 12000 | 24 | 30I | 15.5 | 11.9 | 0.084 | 0.038 |
| 80 06 23 1200 | | | .3 | 1 | 22297 | 6 | 1100 | 17000 | 200 | 56 | 16.4 | 8.0 | 0.159 | 0.042 |
| 80 07 24 1030 | | | .3 | 1 | 22378 | 6 | | | | | 17.2 | 6.5 | 0.270 | 0.046 |
| 80 08 12 1130 | | | .3 | 1 | 22397 | 6 | 16000 | 125000 | 1960 | 3000> | 19.9 | 8.0 | 0.248 | 0.034 |
| 80 09 23 1135 | | | .3 | 1 | 22447 | 6 | 142000C | 780000 | 13000 | 12000 | 15.3 | 8.4 | 0.515 | 1.31 |
| 80 10 20 1130 | | | .3 | 1 | 22497 | 6 | 3500000 | 3200000 | 200000 | 1500000> | 7.0 | 10.9 | | |
| 80 11 27 1145 | | | .3 | 1 | 22569 | 6 | | | | | 0.0 | 10.1 | 0.318 | 1.600 |
| 80 12 18 1230 | | | .3 | 1 | 22626 | 8 | 30000I | 210000 | 10000< | 10000< | | | 0.060 | 0.390 |
| MAXIMUM | | | | | | | 3500000> | 3200000> | 200000> | 1500000> | 19.9 | 11.9 | 0.515 | 2.900 |
| ARITH MEAN | | | | | | | 375090G | 453100G | 24060B | 154621B | 8.8 | 9.8 | 0.191 | 0.66 |
| GEOM MEAN | | | | | | | 19413G | 86080G | 1831B | 3076B | 5.0 | 9.6 | 0.153 | 0.23 |
| MINIMUM | | | | | | | 1000 | 12000 | 20< | 30< | 0.0 | 6.5 | 0.060 | 0.034 |
| STD DEV | | | | | | | 1098786G | 992631G | 61994B | 472746B | 8.1 | 1.8 | 0.138 | 0.91 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | COND25 | PH | FWPH |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | PH | PH FIELD |
| 80 01 14 1125 | | | .3 | 1 | 580.0 | 8.01 | 7.6 |
| 80 02 18 1135 | | | .3 | 1 | 680.0 | 7.74 | 7.5 |
| 80 03 17 1150 | | | .3 | 1 | 680.0 | 8.06 | 7.5 |
| 80 04 14 1245 | | | .3 | 1 | 580.0 | 8.17 | 7.6 |
| 80 05 20 1215 | | | .3 | 1 | 600.0 | 3.28 | 7.9 |
| 80 06 23 1200 | | | .3 | 1 | 650.0 | 8.27 | 7.9 |
| 80 07 24 1030 | | | .3 | 1 | 700.0 | 8.19 | 7.6 |
| 80 08 12 1130 | | | .3 | 1 | 600 | 8.26 | 7.9 |
| 80 09 23 1135 | | | .3 | 1 | 600 | 7.89 | 7.5 |
| 80 10 20 1130 | | | .3 | 1 | | | 7.8 |
| 80 11 27 1145 | | | .3 | 1 | 740.0 | 8.01 | 7.1 |
| 80 12 18 1230 | | | .3 | 1 | 680.0 | 8.06 | |
| MAXIMUM | | | | | 740.0 | 8.27 | 7.9 |
| ARITH MEAN | | | | | 644 | 7.83 | 7.6 |
| GEOM MEAN | | | | | 642 | 7.43 | 7.6 |
| MINIMUM | | | | | 580.0 | 3.28 | 7.1 |
| STD DEV | | | | | 55 | 1.45 | 0.2 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **BROUGHAM CREEK**
SAMPLE POINT: **CONC.RD.5 1MILE E.OF TOWNSHIP RD 16-17**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **DUFFINS CREEK**

STATION ID: **06-0104-026-02**

STORET CODE: **02**
**004**
**3770**

LAT.

LONG.

U T M: **17 0654800.0 4863250.0 4**

REGION: **03**

DISTANCE: **14.323**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 04 08 1400 | | | .3 | 1 | 22190 | 6 | 4400C | 54000 | 30I | 20I | 8.8 | 10.8 | 1.2 | 0.080 |
| 80 04 14 1320 | | | .3 | 1 | 22200 | 6 | 1300 | 3600 | 80 | 8 | 4.5 | 11.8 | 0.6 | 0.051 |
| 80 05 20 1245 | | | .3 | 1 | 22249 | 6 | 260 | 5200 | 52 | 76 | 14.4 | 10.1 | 0.8 | 0.018 |
| 80 06 23 1230 | | | .3 | 1 | 22299 | 6 | 460C | 7800 | 88 | 268 | 16.9 | 7.9 | | 0.030 |
| 80 07 24 1130 | | | .3 | 1 | 22380 | 6 | | | | | 16.6 | 7.1 | | 0.155 |
| 80 08 12 1235 | | | .3 | 1 | 22399 | 6 | 3400 | 25000 | 500 | 980 | 19.1 | 8.0 | | 0.523 |
| 80 09 23 1235 | | | .3 | 1 | 22449 | 6 | 3500C | 28000 | 1500 | 1600 | 14.8 | 9.0 | | 0.160 |
| 80 10 20 1225 | | | .3 | 1 | 22499 | 6 | 1000 | 19000 | 180I | 200 | 7.1 | 11.1 | 0.2 | 0.165 |
| 80 11 27 1230 | | | .3 | 1 | 22571 | 6 | | | | | 1.1 | 10.1 | 0.4 | 0.060 |
| 80 12 18 1310 | | | .3 | 1 | 22628 | 6 | 1100 | 5900 | 20< | 40I | | | 1.4 | 0.062 |
| MAXIMUM | | | | | | | 4400 | 54000 | 1500 | 1600 | 19.1 | 11.8 | 1.4 | 0.523 |
| ARITH MEAN | | | | | | | 1927 | 18662 | 308L | 399 | 11.5 | 9.5 | 0.8 | 0.130 |
| GEOM MEAN | | | | | | | 1315 | 12558 | 115L | 119 | 8.9 | 9.4 | 0.6 | 0.084 |
| MINIMUM | | | | | | | 260 | 3600 | 20< | 8 | 1.1 | 7.1 | 0.2 | 0.018 |
| STD DEV | | | | | | | 1587 | 17176 | 507L | 581 | 6.3 | 1.6 | 0.5 | 0.148 |
| NO OF SAMPLES | | | | | | | 8 | 8 | 8 | 8 | 9 | 9 | 6 | 10 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 04 08 1400 | | | .3 | 1 | 0.020 | 0.620 | 1.330 | 0.016 | 1.060 | 1.696 | 0.710 | 2.406 | 394.0 | 33.0 |
| 80 04 14 1320 | | | .3 | 1 | 0.010 | 0.078 | 0.430 | 0.008 | 1.140 | 1.226 | 0.352 | 1.578 | 427.0 | 33.0 |
| 80 05 20 1245 | | | .3 | 1 | 0.004 | 0.010 | 0.270 | 0.009 | 0.721 | 0.740 | 0.260 | 1.000 | 410.0 | 8.0 |
| 80 06 23 1230 | | | .3 | 1 | 0.010 | | 0.260 | 0.013 | 0.907 | | | 1.180 | | 8.00 |
| 80 07 24 1130 | | | .3 | 1 | 0.015 | | 0.430 | 0.012 | 0.871 | | | 1.313 | | 290.00 |
| 80 08 12 1235 | | | .3 | 1 | 0.061 | | 0.35 | 0.008 | 0.778 | | | 1.136 | | 288 |
| 80 09 23 1235 | | | .3 | 1 | 0.017 | | 0.48 | 0.007 | 0.683 | | | 1.170 | | 212 |
| 80 10 20 1225 | | | .3 | 1 | 0.008 | 0.020 | 0.350 | 0.007 | 0.943 | 0.970 | 0.330 | 1.300 | 558.00 | 178.00 |
| 80 11 27 1230 | | | .3 | 1 | 0.004 | 0.016 | 0.270 | 0.009 | 1.290 | 1.315 | 0.254 | 1.569 | | 29.00 |
| 80 12 18 1310 | | | .3 | 1 | 0.007 | 0.078 | 0.350 | 0.010 | 1.390 | 1.478 | 0.272 | 1.750 | | 31.00 |
| MAXIMUM | | | | | 0.061 | 0.620 | 1.330 | 0.016 | 1.390 | 1.696 | 0.710 | 2.406 | 558.00 | 290.00 |
| ARITH MEAN | | | | | 0.016 | 0.137 | 0.45 | 0.010 | 0.978 | 1.237 | 0.363 | 1.440 | 447.2 | 111 |
| GEOM MEAN | | | | | 0.011 | 0.048 | 0.39 | 0.010 | 0.953 | 1.194 | 0.338 | 1.395 | 442.9 | 53 |
| MINIMUM | | | | | 0.004 | 0.010 | 0.260 | 0.007 | 0.683 | 0.740 | 0.254 | 1.000 | 394.0 | 8.0 |
| STD DEV | | | | | 0.017 | 0.239 | 0.31 | 0.003 | 0.236 | 0.344 | 0.176 | 0.412 | 75.0 | 117 |
| NO OF SAMPLES | | | | | 10 | 6 | 10 | 10 | 10 | 6 | 6 | 10 | 4 | 10 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | ALKT | PH | FWPH | ASUT | ALUT | CRUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR |
| 80 04 08 1400 | | | .3 | 1 | 361.0 | 630.0 | | 28.500 | | 8.22 | 7.60 | | 0.020< | 0.020 |
| 80 04 14 1320 | | | .3 | 1 | 394.0 | 590.0 | | 30.500 | | 8.18 | 7.6 | | | |
| 80 05 20 1245 | | | .3 | 1 | 402.0 | 600.0 | 3.80 | 29.000 | | 8.12 | 7.7 | | | 0.030 |
| 80 06 23 1230 | | | .3 | 1 | 401.00 | | | | 232.0 | 8.18 | 7.8 | 0.001< | | 0.020< |
| 80 07 24 1130 | | | .3 | 1 | 411.00 | 600.0 | | | 255.0 | 8.28 | | | | |
| 80 08 12 1235 | | | .3 | 1 | 395 | 600 | | | 240 | 8.29 | 8.0 | 0.001< | 0.70 | 0.002< |
| 80 09 23 1235 | | | .3 | 1 | 335 | | | | 233 | 8.21 | 7.6 | | | |
| 80 10 20 1225 | | | .3 | 1 | 380.00 | 640.0 | 5.80 | 30.500 | | 8.36 | 7.9 | | | |
| 80 11 27 1230 | | | .3 | 1 | 407.00 | 640.0 | | 30.500 | 257.0 | 8.21 | 7.3 | 0.001< | 0.22 | 0.001< |
| 80 12 18 1310 | | | .3 | 1 | 403.00 | 640.0 | | 30.000 | 258.0 | 8.13 | | | | |
| MAXIMUM | | | | | 411.00 | 640.0 | 5.80 | 30.500 | 258.0 | 8.36 | 8.0 | 0.001 | 0.70 | 0.030 |
| ARITH MEAN | | | | | 388 | 617 | 4.80 | 29.833 | 245 | 8.22 | 7.6 | 0.001L | 0.31 L | 0.016L |
| GEOM MEAN | | | | | 388 | 617 | 4.69 | 29.822 | 245 | 8.22 | 7.6 | 0.001L | 0.14 L | 0.008L |
| MINIMUM | | | | | 335 | 590.0 | 3.80 | 28.500 | 232.0 | 8.12 | 7.3 | 0.001< | 0.020< | 0.001< |
| STD DEV | | | | | 23 | 21 | 1.41 | 0.876 | 12 | 0.07 | 0.2 | 0.000L | 0.34 L | 0.013L |
| NO OF SAMPLES | | | | | 10 | 8 | 2 | 6 | 6 | 10 | 8 | 3 | 3 | 5 |

| TEST-NAME: | | | | | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 04 08 1400 | | | .3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< | |
| 80 05 20 1245 | | | .3 | 1 | 0.040 | 0.030< | 0.005 < | 0.010< | | |
| 80 06 23 1230 | | | .3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< | | |
| 80 08 12 1235 | | | .3 | 1 | 0.004 | 0.004 | 0.0001 | 0.005 | 0.002< | 0.006 |
| 80 11 27 1230 | | | .3 | 1 | 0.005 | 0.003< | 0.0002< | 0.003< | 0.003< | |
| MAXIMUM | | | | | 0.040 | 0.030 | 0.005 | 0.010 | 0.020 | 0.006 |
| ARITH MEAN | | | | | 0.014L | 0.019L | 0.003 L | 0.008L | 0.008L | 0.006 |
| GEOM MEAN | | | | | 0.008L | 0.013L | 0.001 L | 0.007L | 0.005L | |
| MINIMUM | | | | | 0.004< | 0.003< | 0.0001< | 0.003< | 0.002< | 0.006 |
| STD DEV | | | | | 0.015L | 0.016L | 0.002 L | 0.003L | 0.010L | |
| NO OF SAMPLES | | | | | 5 | 5 | 5 | 5 | 3 | 1 |

B.O.W./ SITE: **BROUGHAN CREEK**
SAMPLE POINT: **AT HWY.NO.7 FIRST STREAM W.OF BROCK RD.**
STATION TYPE: **RIVER FLOW GAUGE FED 02HC048**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **DUFFINS CREEK**

STATION ID: **06-0104-048-02**
STORET CODE: **02 004 3770**

LAT: LONG: U T M: **17 0651900.0 4864350.0 4** REGION: **03** DISTANCE: **17.702**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 04 08 1415 | | | .3 | 1 | 22191 | 6 | 360 | 1400 | 30I | 20I | 8.0 | 10.4 | 0.6 | 0.043 |
| 80 04 14 1350 | | | .3 | 1 | 22202 | 6 | 390 | 1600 | 50I | 40I | 4.2 | 12.6 | 0.2 | 0.036 |
| MAXIMUM | | | | | | | 390 | 1600 | 50 | 40 | 8.0 | 12.6 | 0.6 | 0.043 |
| ARITH MEAN | | | | | | | 375 | 1500 | 40 | 30 | 6.1 | 11.5 | 0.4 | 0.039 |
| GEOM MEAN | | | | | | | 375 | 1497 | 39 | 28 | 5.8 | 11.4 | 0.3 | 0.039 |
| MINIMUM | | | | | | | 360 | 1400 | 30 | 20 | 4.2 | 10.4 | 0.2 | 0.036 |
| STD DEV | | | | | | | 21 | 141 | 14 | 14 | 2.7 | 1.6 | 0.3 | 0.005 |
| NO OF SAMPLES | | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 04 08 1415 | | | .3 | 1 | 0.011 | 0.122 | 0.530 | 0.018 | 0.903 | 1.043 | 0.408 | 1.451 | 360.0 | 8.0 |
| 80 04 14 1350 | | | .3 | 1 | 0.008 | 0.066 | 0.500 | 0.010 | 1.190 | 1.266 | 0.434 | 1.700 | 375.0 | 10.0 |
| MAXIMUM | | | | | 0.011 | 0.122 | 0.530 | 0.018 | 1.190 | 1.266 | 0.434 | 1.700 | 375.0 | 10.0 |
| ARITH MEAN | | | | | 0.009 | 0.094 | 0.515 | 0.014 | 1.046 | 1.154 | 0.421 | 1.575 | 367.5 | 9.0 |
| GEOM MEAN | | | | | 0.009 | 0.090 | 0.515 | 0.013 | 1.037 | 1.149 | 0.421 | 1.571 | 367.4 | 8.9 |
| MINIMUM | | | | | 0.008 | 0.066 | 0.500 | 0.010 | 0.903 | 1.043 | 0.408 | 1.451 | 360.0 | 8.0 |
| STD DEV | | | | | 0.002 | 0.040 | 0.021 | 0.006 | 0.203 | 0.158 | 0.018 | 0.176 | 10.6 | 1.4 |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 04 08 1415 | | | .3 | 1 | 352.0 | 600.0 | 25.500 | 8.08 | 7.60 |
| 80 04 14 1350 | | | .3 | 1 | 365.0 | 580.0 | 26.000 | 8.05 | 7.4 |
| MAXIMUM | | | | | 365.0 | 600.0 | 26.000 | 8.08 | 7.60 |
| ARITH MEAN | | | | | 358.5 | 590.0 | 25.750 | 8.06 | 7.5 |
| GEOM MEAN | | | | | 358.4 | 589.9 | 25.749 | 8.06 | 7.5 |
| MINIMUM | | | | | 352.0 | 580.0 | 25.500 | 8.05 | 7.4 |
| STD DEV | | | | | 9.2 | 14.1 | 0.354 | 0.02 | 0.1 |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 |

B.O.W./ SITE: **BROUGHAM CREEK**
SAMPLE POINT: **AT BROCK RD.SOUTH OF HIGHWAY NO.7**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **DUFFINS CREEK**

STATION ID: **06-0104-050-02**
STORET CODE: **02 004 3770**

LAT: LONG: U T M: **17 0652300.0 4864250.0 4** REGION: **03** DISTANCE: **17.380**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 04 08 1430 | | | .3 | 1 | 22192 | 6 | 6200 | 13000 | 370 | 60I | 8.0 | 10.4 | 0.6 | 0.034 |
| 80 04 14 1335 | | | .3 | 1 | 22201 | 6 | 2400 | 4100 | 164 | 484 | 3.9 | 12.0 | 0.8 | 0.055 |
| 80 05 20 1330 | | | .3 | 1 | 22251 | 6 | 12800C | 32000 | 1580 | 790 | 18.1 | 9.2 | 1.2 | 0.035 |
| 80 06 23 1300 | | | .3 | 1 | 22301 | 1 | | | | | | | | |
| 80 07 24 1145 | | | .3 | 1 | 22382 | 6 | | | | | | | | |
| 80 08 12 1300 | | | .3 | 1 | 22401 | 1 | | | | | 16.9 | 7.1 | | |
| 80 10 20 1300 | | | .3 | 1 | 22501 | 1 | | | | | | | | |
| 80 12 18 1330 | | | .3 | 1 | 22629 | 8 | 1500> | 1500> | 240 | 1500> | | | 2.4 | 0.028 |
| MAXIMUM | | | | | | | 12800> | 32000> | 1580 | 1500> | 18.1 | 12.0 | 2.4 | 0.055 |
| ARITH MEAN | | | | | | | 5725G | 12650G | 588 | 708G | 11.7 | 9.7 | 1.2 | 0.038 |
| GEOM MEAN | | | | | | | 4111G | 7112G | 389 | 431G | 9.9 | 9.5 | 1.1 | 0.037 |
| MINIMUM | | | | | | | 1500 | 1500 | 164 | 60 | 3.9 | 7.1 | 0.6 | 0.028 |
| STD DEV | | | | | | | 5138G | 13808G | 686 | 607G | 6.9 | 2.1 | 0.8 | 0.012 |
| NO OF SAMPLES | | | | | | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 04 08 1430 | | | .3 | 1 | 0.012 | 0.016 | 0.530 | 0.006 | 0.207 | 0.229 | 0.514 | 0.743 | 310.0 | 3.0 |
| 80 04 14 1335 | | | .3 | 1 | 0.010 | 0.048 | 0.680 | 0.007 | 0.468 | 0.523 | 0.632 | 1.155 | 352.0 | 19.0 |
| 80 05 20 1330 | | | .3 | 1 | 0.009 | 0.026 | 0.780 | 0.005 | 0.005< | 0.036 | 0.754 | 0.790 | 367.0 | 5.0 |
| 80 12 18 1330 | | | .3 | 1 | 0.018 | 0.084 | 0.610 | 0.016 | 0.951 | 1.051 | 0.526 | 1.577 | | 11.00 |
| MAXIMUM | | | | | 0.018 | 0.084 | 0.780 | 0.016 | 0.951 | 1.051 | 0.754 | 1.577 | 367.0 | 19.0 |
| ARITH MEAN | | | | | 0.012 | 0.043 | 0.650 | 0.008 | 0.408L | 0.460 | 0.606 | 1.066 | 343.0 | 9.5 |
| GEOM MEAN | | | | | 0.012 | 0.036 | 0.644 | 0.008 | 0.147L | 0.259 | 0.599 | 1.017 | 342.1 | 7.4 |
| MINIMUM | | | | | 0.009 | 0.016 | 0.530 | 0.005 | 0.005< | 0.036 | 0.514 | 0.743 | 310.0 | 3.0 |
| STD DEV | | | | | 0.004 | 0.030 | 0.106 | 0.005 | 0.409L | 0.442 | 0.112 | 0.387 | 29.5 | 7.1 |
| NO OF SAMPLES | | | | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 |

| TEST-NAME: | | | | RSF | COND25 | TURB | CLIDUR | ALKT | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD |
| 80 04 08 1430 | | .3 | 1 | 307.0 | 510.0 | | 28.500 | | 8.36 | 7.60 |
| 80 04 14 1335 | | .3 | 1 | 333.0 | 520.0 | | 34.500 | | 7.99 | 7.6 |
| 80 05 20 1330 | | .3 | 1 | 362.0 | 550.0 | 1.90 | 34 000 | | 8.06 | 7.6 |
| 80 12 18 1330 | | .3 | 1 | 1379.00 | 2500.0 | | 632 000 | 275 0 | 7 99 | |
| **MAXIMUM** | | | | **1379.00** | **2500.0** | **1.90** | **632.000** | **275.0** | **8.36** | **7.6** |
| **ARITH MEAN** | | | | **595.2** | **1020.0** | **1.90** | **182.250** | **275.0** | **8.10** | **7.6** |
| **GEOM MEAN** | | | | **475.3** | **777.1** | | **67.798** | | **8.10** | **7.6** |
| **MINIMUM** | | | | **307.0** | **510.0** | **1.90** | **28.500** | **275.0** | **7.99** | **7.60** |
| **STD DEV** | | | | **522.9** | **986.8** | | **299.846** | | **0.18** | **0.0** |
| **NO OF SAMPLES** | | | | **4** | **4** | **1** | **4** | **1** | **4** | **3** |

B.O.W./ SITE: **BROUGHAM CREEK**
SAMPLE POINT: **NORTH OF CONC.5 PICKERING TOWNSHIP**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **DUFFINS CREEK**

STATION ID: **06-0104-051-02**
STORET CODE: **02**
**004**
**3770**

LAT: LONG: U T M: **17 0653850.0 4863950.0 4** REGION: **03** DISTANCE: **15.771**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 05 20 1315 | | .3 | 1 | 22250 | 6 | 480 | 3200 | 44 | 64 | 15.0 | 9 9 | 0.8 | 0 090 |
| 80 06 23 1245 | | .3 | 1 | 22300 | 6 | 540C | 8600 | 72 | 220 | 16.5 | 8.0 | | 0.027 |
| 80 07 24 1200 | | .3 | 1 | 22381 | 1 | | | | | | | | 0.077 |
| 80 08 12 1250 | | .3 | 1 | 22400 | 6 | 2800 | 25500 | 200 | 940 | 19.1 | 7.8 | | 0 320 |
| 80 09 23 1250 | | .3 | 1 | 22450 | 6 | 3600C | 28000 | 660 | 1260 | 14.8 | 8.8 | | 0.235 |
| 80 10 20 1250 | | .3 | 1 | 22500 | 6 | 180I | 2700 | 120I | 240 | 7.2 | 11.1 | 0.4 | 0 037 |
| 80 11 27 1245 | | .3 | 1 | 22572 | 6 | | | | | 2.1 | 10.1 | 0.4 | 0.014 |
| **MAXIMUM** | | | | | | **3600** | **28000** | **660** | **1260** | **19.1** | **11.1** | **0.8** | **0.320** |
| **ARITH MEAN** | | | | | | **1520** | **13600** | **219** | **545** | **12.4** | **9.3** | **0.5** | **0.114** |
| **GEOM MEAN** | | | | | | **860** | **8809** | **138** | **331** | **10.1** | **9.2** | **0.5** | **0.069** |
| **MINIMUM** | | | | | | **180** | **2700** | **44** | **64** | **2.1** | **7.8** | **0.4** | **0.014** |
| **STD DEV** | | | | | | **1565** | **12257** | **253** | **524** | **6.4** | **1.3** | **0.2** | **0.117** |
| **NO OF SAMPLES** | | | | | | **5** | **5** | **5** | **5** | **6** | **6** | **3** | **7** |

| TEST-NAME: | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC MG/L |
| 80 05 20 1315 | | .3 | 1 | 0.003 | 0.010 | 0.290 | 0.009 | 0.756 | 0.775 | 0.280 | 1.055 | 409.0 | 16.0 |
| 80 06 23 1245 | | .3 | 1 | 0 006 | | 0.260 | 0.014 | 0.986 | | | 1.260 | | 7.00 |
| 80 07 24 1200 | | .3 | 1 | 0 013 | | 0.360 | 0.012 | 0 960 | | | 1.332 | | 133.00 |
| 80 08 12 1250 | | 3 | 1 | 0.039 | | 0 30 | 0.008 | 0.812 | | | 1.120 | | 127 |
| 80 09 23 1250 | | 3 | 1 | 0.019 | | 0 50 | 0.007 | 0.723 | | | 1.230 | | 450 |
| 80 10 20 1250 | | .3 | 1 | 0 011 | 0.028 | 0 320 | 0 016 | 1 430 | 1.474 | 0.292 | 1.766 | 415 00 | 24.00 |
| 80 11 27 1245 | | .3 | 1 | 0 012 | 0.034 | 0 230 | 0 013 | 1.740 | 1 787 | 0.196 | 1.983 | | 12.00 |
| **MAXIMUM** | | | | **0.039** | **0.034** | **0.50** | **0.016** | **1.740** | **1.787** | **0.292** | **1.983** | **415.00** | **450** |
| **ARITH MEAN** | | | | **0.015** | **0.024** | **0.32** | **0.011** | **1.058** | **1.345** | **0.256** | **1.392** | **412.0** | **109** |
| **GEOM MEAN** | | | | **0.011** | **0.021** | **0.31** | **0.011** | **1.006** | **1.269** | **0.252** | **1.359** | **411.9** | **42** |
| **MINIMUM** | | | | **0.003** | **0.010** | **0.230** | **0.007** | **0.723** | **0.775** | **0.196** | **1.055** | **409.0** | **7.00** |
| **STD DEV** | | | | **0.012** | **0.012** | **0.08** | **0.003** | **0.383** | **0.518** | **0.052** | **0.347** | **4.2** | **169** |
| **NO OF SAMPLES** | | | | **7** | **3** | **7** | **7** | **7** | **3** | **3** | **7** | **2** | **7** |

| TEST-NAME: | | | | RSF | COND25 | TURB | CLIDUR | ALKT | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD |
| 80 05 20 1315 | | 3 | 1 | 393.0 | 600.0 | 3.00 | 27.000 | | 8.11 | 7.7 |
| 80 06 23 1245 | | .3 | 1 | 398.00 | | | | 231.0 | 8.17 | 7.9 |
| 80 07 24 1200 | | .3 | 1 | 413.00 | 600.0 | | | 251.0 | 8.30 | |
| 80 08 12 1250 | | .3 | 1 | 405 | 600 | | | 238 | 8.25 | 8.0 |
| 80 09 23 1250 | | .3 | 1 | 330 | | | | 236 | 8.18 | 7.6 |
| 80 10 20 1250 | | .3 | 1 | 391.00 | 640.0 | 3.30 | 30.500 | | 8.37 | 7.9 |
| 80 11 27 1245 | | .3 | 1 | 406.00 | 640.0 | | 29.500 | 237.0 | 8.24 | 7.3 |
| **MAXIMUM** | | | | **413.00** | **640.0** | **3.30** | **30.500** | **251.0** | **8.37** | **8.0** |
| **ARITH MEAN** | | | | **390** | **616** | **3.15** | **29.000** | **238** | **8.23** | **7.7** |
| **GEOM MEAN** | | | | **389** | **616** | **3.15** | **28.962** | **238** | **8.23** | **7.7** |
| **MINIMUM** | | | | **330** | **600.0** | **3.00** | **27.000** | **231.0** | **8.11** | **7.3** |
| **STD DEV** | | | | **27** | **21** | **0.21** | **1.803** | **7** | **0.09** | **0.3** |
| **NO OF SAMPLES** | | | | **7** | **5** | **2** | **3** | **5** | **7** | **6** |

B.O.W./ SITE: **BROUGHAM CR.TRIB.**
SAMPLE POINT: **AT HIGHWAY NO.7**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKE**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **DUFFINS CREEK**

STATION ID: **06-0104-052-02**
STORET CODE: **02**
**004**
**3770**

LAT:
LONG:
U T M: **17 0654050.0 4854050.0 4**
REGION: **03**
DISTANCE: **16.000**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 05 20 1345 | | | .3 | 1 | 22252 | 6 | 410C | 8000 | 156 | 88 | 19.0 | 11.6 | 1.0 | 0.020 |
| 80 06 23 1330 | | | .3 | 1 | 22302 | 6 | 1600 | 13000 | 210 | 280 | 21.0 | 8.6 | | 0.026 |
| 80 07 24 1215 | | | .3 | 1 | 22383 | 6 | | | | | 19.9 | 7.2 | | 0.063 |
| 80 08 12 1315 | | | .3 | 1 | 22402 | 6 | 2200C | 30000 | 320 | 1720 | 20.5 | 8.7 | | 0.096 |
| 80 09 23 1315 | | | .3 | 1 | 22452 | 6 | 3400C | 32000 | 540 | 800 | 16.4 | 8.9 | | 0.072 |
| 80 10 20 1315 | | | .3 | 1 | 22502 | 6 | 260 | 2600 | 20I | 120I | 8.2 | 12.6 | 0.6 | 0.034 |
| 80 11 27 1315 | | | .3 | 1 | 22574 | 6 | | | | | 0.0 | 10.4 | 0.4 | 0.012 |
| 80 12 18 1345 | | | .3 | 1 | 22630 | 8 | 2200 | 7700 | 20< | 20I | | | 2.1 | 0.185 |
| MAXIMUM | | | | | | | **3400** | **32000** | **540** | **1720** | **21.0** | **12.6** | **2.1** | **0.185** |
| ARITH MEAN | | | | | | | **1678** | **15550** | **211L** | **505** | **15.0** | **9.7** | **1.0** | **0.063** |
| GEOM MEAN | | | | | | | **1108** | **11223** | **115L** | **208** | **11.2** | **9.6** | **0.8** | **0.045** |
| MINIMUM | | | | | | | **260** | **2600** | **20<** | **20** | **0.0** | **7.2** | **0.4** | **0.012** |
| STD DEV | | | | | | | **1195** | **12428** | **198L** | **659** | **8.0** | **1.9** | **0.8** | **0.057** |
| NO OF SAMPLES | | | | | | | **6** | **6** | **6** | **6** | **7** | **7** | **4** | **8** |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 05 20 1345 | | | .3 | 1 | 0.002 | 0.010 | 0.370 | 0.007 | 0.068 | 0.085 | 0.360 | 0.445 | 351.0 | 5.0 |
| 80 06 23 1330 | | | .3 | 1 | 0.009 | | 0.320 | 0.012 | 0.123 | | | 0.455 | | 2.00 |
| 80 07 24 1215 | | | .3 | 1 | 0.017 | | 0.470 | 0.008 | 0.079 | | | 0.557 | | 11.00 |
| 80 08 12 1315 | | | .3 | 1 | 0.021 | | 0.44 | 0.005 | 0.075 | | | 0.520 | | 38 |
| 80 09 23 1315 | | | .3 | 1 | 0.023 | | 0.53 | 0.009 | 0.086 | | | 0.625 | | 70 |
| 80 10 20 1315 | | | .3 | 1 | 0.011 | 0.040 | 0.380 | 0.003 | 0.007 | 0.050 | 0.340 | 0.390 | 368.00 | 11.00 |
| 80 11 27 1315 | | | .3 | 1 | 0.004 | 0.024 | 0.270 | 0.008 | 0.347 | 0.379 | 0.246 | 0.625 | | 5.00 |
| 80 12 18 1345 | | | .3 | 1 | 0.046 | 0.108 | 0.440 | 0.015 | 1.090 | 1.213 | 0.332 | 1.545 | | 14.00 |
| MAXIMUM | | | | | **0.046** | **0.108** | **0.53** | **0.015** | **1.090** | **1.213** | **0.360** | **1.545** | **368.00** | **70** |
| ARITH MEAN | | | | | **0.017** | **0.045** | **0.40** | **0.008** | **0.234** | **0.432** | **0.319** | **0.645** | **359.5** | **19** |
| GEOM MEAN | | | | | **0.011** | **0.032** | **0.39** | **0.008** | **0.102** | **0.210** | **0.316** | **0.585** | **359.4** | **11** |
| MINIMUM | | | | | **0.002** | **0.010** | **0.270** | **0.003** | **0.007** | **0.050** | **0.246** | **0.390** | **351.0** | **2.00** |
| STD DEV | | | | | **0.014** | **0.043** | **0.08** | **0.004** | **0.360** | **0.541** | **0.050** | **0.373** | **12.0** | **23** |
| NO OF SAMPLES | | | | | **8** | **4** | **8** | **8** | **8** | **4** | **4** | **8** | **2** | **8** |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | ALKT | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD |
| 80 05 20 1345 | | | .3 | 1 | 346.0 | 550.0 | 2.50 | 22.000 | | 8.11 | 7.6 |
| 80 06 23 1330 | | | .3 | 1 | 309.00 | | | | 213.0 | 8.32 | 7.9 |
| 80 07 24 1215 | | | .3 | 1 | 297.00 | 480.0 | | | 210.0 | 8.19 | |
| 80 08 12 1315 | | | .3 | 1 | 303 | 490 | | | 214 | 8.21 | 7.8 |
| 80 09 23 1315 | | | .3 | 1 | 269 | | | | 216 | 8.08 | 7.4 |
| 80 10 20 1315 | | | .3 | 1 | 357.00 | 580.0 | 2.50 | 21.000 | | 8.34 | 8.0 |
| 80 11 27 1315 | | | .3 | 1 | 377.00 | 620.0 | | 21.500 | 276.0 | 8.15 | 7.2 |
| 80 12 18 1345 | | | .3 | 1 | 531.00 | 840.0 | | 83.000 | 276.0 | 8.08 | |
| MAXIMUM | | | | | **531.00** | **840.0** | **2.50** | **83.000** | **276.0** | **8.34** | **8.0** |
| ARITH MEAN | | | | | **348** | **593** | **2.50** | **36.875** | **234** | **8.18** | **7.6** |
| GEOM MEAN | | | | | **341** | **582** | **2.50** | **30.133** | **232** | **8.18** | **7.6** |
| MINIMUM | | | | | **269** | **480.0** | **2.50** | **21.000** | **210.0** | **8.08** | **7.2** |
| STD DEV | | | | | **81** | **132** | **0.00** | **30.753** | **32** | **0.10** | **0.3** |
| NO OF SAMPLES | | | | | **8** | **6** | **2** | **4** | **6** | **8** | **6** |

B.O.W./ SITE: **CARRUTHERS CREEK**
SAMPLE POINT: **FIRST ROAD EAST OF AJAX TOWN LINE**
STATION TYPE: **RIVER FLOW GAUGE MOE 02HC100**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **CARRUTHERS CREEK**

STATION ID: **06-0107-001-02**
STORET CODE: **02**
**004**
**3730**

LAT:
LONG:
U T M: **17 0661450.0 4854900.0 4**
REGION: **03**
DISTANCE: **0.805**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 11 1250 | | | .3 | 1 | 22020 | 6 | 7600C | 110000 | 30I | 700 | 1.2 | 13.2 | 2.0 | 0.278 |
| 80 02 14 1235 | | | .3 | 1 | 22080 | 4 | 300I | 800 | 70I | 110 | 0.0 | 9.1 | 0.2 | 0.073 |
| 80 03 14 1455 | | | .3 | 1 | 21087 | 4 | 800I | 8000 | 10< | 70I | 0.0 | 8.6 | 5.0 | 0.120 |
| 80 04 22 1300 | | | .3 | 1 | 21142 | 6 | 40I | 260 | 4< | 4< | 12.5 | 9.7 | 0.8 | 0.032 |
| 80 05 20 0930 | | | .3 | 1 | 21214 | 6 | 620C | 5700 | 72 | 24 | 17.0 | 13.2 | 0.6 | 0.026 |
| 80 06 23 1230 | | | .3 | 1 | 21276 | 6 | 480C | 7000 | 108 | 12 | 22.5 | 13.6 | 0.4 | 0.015 |
| 80 07 07 1000 | | | .3 | 1 | 21342 | 6 | 360C | 9400 | 160 | 10< | 18.8 | 12.5 | 1.2 | 0.019 |
| 80 08 12 0900 | | | .3 | 1 | 21404 | 6 8 | 3100C | 33000 | 270 | 230 | 21.0 | 12.4 | 1.0 | 0.019 |
| 80 09 22 1000 | | | .3 | 1 | 21466 | 6 8 | 2100 | 22000 | 460 | 170 | 18.8 | 11.6 | 1.0 | 0.016 |
| 80 10 07 1600 | | | .3 | 1 | 21529 | 6 | 1200 | 16000 | 50I | 50I | 11.8 | 9.8 | 0.4 | 0.012 |
| 80 11 17 1000 | | | .3 | 1 | 21592 | 6 | 980 | 3800 | 10I | 30I | 0.0 | 12.6 | 0.4 | 0.019 |
| 80 12 08 1000 | | | .3 | 1 | 21655 | 6 | 6400C | 30000 | 190 | 170 | 0.8 | 9.0 | 0.5 | 0.145 |
| MAXIMUM | | | | | | | **7600** | **110000** | **460** | **700** | **22.5** | **13.6** | **5.0** | **0.278** |
| ARITH MEAN | | | | | | | **1998** | **20497** | **119L** | **132L** | **10.4** | **11.3** | **1.1** | **0.064** |
| GEOM MEAN | | | | | | | **923** | **8189** | **67L** | **64L** | **5.2** | **11.1** | **0.8** | **0.037** |
| MINIMUM | | | | | | | **40** | **260** | **4<** | **4<** | **0.0** | **8.6** | **0.2** | **0.012** |
| STD DEV | | | | | | | **2499** | **30206** | **135L** | **194L** | **9.3** | **1.9** | **1.3** | **0.081** |
| NO OF SAMPLES | | | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

(CONTD)

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 11 1250 | | | .3 | 1 | 0.053 | 0.092 | 1.050 | 0.042 | 1.210 | 1.344 | 0.958 | 2.302 | 446.0 | 89.0 |
| 80 02 14 1235 | | | .3 | 1 | 0.007 | 0.156 | 0.500 | 0.015 | 1.280 | 1.451 | 0.344 | 1.795 | 521.0 | 16.0 |
| 80 03 14 1455 | | | .3 | 1 | 0.023 | 0.450 | 1.880 | 0.050 | 0.165 | 0.665 | 1.430 | 2.095 | 399.0 | 29.0 |
| 80 04 22 1300 | | | .3 | 1 | 0.001 | 0.002< | 0.570 | 0.011 | 1.240 | 1.253 | 0.568 | 1.821 | 426.0 | 13.0 |
| 80 05 20 0930 | | | .3 | 1 | 0.002 | 0.022 | 0.560 | 0.008 | 0.427 | 0.457 | 0.538 | 0.995 | 417.0 | 9.0 |
| 80 06 23 1230 | | | .3 | 1 | 0.001< | 0.010 | 0.480 | 0.008 | 0.082 | 0.100 | 0.470 | 0.570 | 349.0 | 5.0 |
| 80 07 07 1000 | | | .3 | 1 | 0.002 | 0.048 | 0.65 | 0.020 | 0.420 | 0.488 | 0.602 | 1.090 | 424 | 4 |
| 80 08 12 0900 | | | .3 | 1 | 0.006 | 0.036 | 0.50 | 0.008 | 0.057 | 0.101 | 0.464 | 0.565 | 353 | 5 |
| 80 09 22 1000 | | | .3 | 1 | 0.001< | 0.030 | 0.51 | 0.004 | 0.036 | 0.070 | 0.480 | 0.550 | 337 | 5 |
| 80 10 07 1600 | | | .3 | 1 | 0.003 | 0.026 | 0.48 | 0.006 | 0.499 | 0.531 | 0.454 | 0.985 | 363 | 3 |
| 80 11 17 1000 | | | .3 | 1 | 0.004 | 0.010 | 0.490 | 0.005 | 2.380 | 2.395 | 0.480 | 2.875 | 480.0 | 5.0 |
| 80 12 08 1000 | | | .3 | 1 | 0.010 | 0.050 | 5.500 | 0.014 | 1.790 | 1.854 | 5.450 | 7.304 | 480.0 | 42.0 |
| MAXIMUM | | | | | 0.053 | 0.450 | 5.500 | 0.050 | 2.380 | 2.395 | 5.450 | 7.304 | 521.0 | 89.0 |
| ARITH MEAN | | | | | 0.009L | 0.078L | 1.09 | 0.016 | 0.799 | 0.892 | 1.020 | 1.912 | 416 | 18 |
| GEOM MEAN | | | | | 0.004L | 0.033L | 0.75 | 0.012 | 0.406 | 0.539 | 0.686 | 1.412 | 412 | 10 |
| MINIMUM | | | | | 0.001< | 0.002< | 0.480 | 0.004 | 0.036 | 0.070 | 0.344 | 0.550 | 337 | 3 |
| STD DEV | | | | | 0.015L | 0.125L | 1.44 | 0.015 | 0.769 | 0.756 | 1.426 | 1.860 | 58 | 26 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | PH | FWPH | ASUT | HGUT | ALUT | CRUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU |
| 80 01 11 1250 | | | .3 | 1 | 600.0 | 48.00 | 73.000 | 7.56 | 7.3 | | | | | |
| 80 02 14 1235 | | | .3 | 1 | 820.0 | 11.00 | 55.000 | 7.61 | 7.4 | | | | | |
| 80 03 14 1455 | | | .3 | 1 | 600.0 | 15.00 | 80.000 | 7.67 | 7.3 | | | | | |
| 80 04 22 1300 | | | .3 | 1 | 630.0 | 5.80 | 33.500 | 7.96 | 7.9 | | | | | |
| 80 05 20 0930 | | | .3 | 1 | 600.0 | 3.60 | 34.500 | 7.94 | 8.4 | | | | | |
| 80 06 23 1230 | | | .3 | 1 | 550.0 | 3.60 | 41.500 | 8.41 | 8.2 | | | | | |
| 80 07 07 1000 | | | .3 | 1 | 600 | 2.7 | 43.0 | 8.31 | 8.4 | 0.001< | 0.03 < | 0.10 | 0.02 < | 0.02 |
| 80 08 12 0900 | | | 3 | 1 | 600 | 4.0 | 37.5 | 8.17 | 8.2 | | | | | |
| 80 09 22 1000 | | | .3 | 1 | 580 | 1.8 | 39.5 | 8.10 | 8.6 | | | | | |
| 80 10 07 1600 | | | .3 | 1 | 630 | 2.1 | 39.0 | 8.01 | 8.2 | 0.001< | 0.040< | 0.064 | 0.034 | 0.004 |
| 80 11 17 1000 | | | .3 | 1 | 760.0 | 4.20 | 39.500 | 8.09 | 8.0 | | | | | |
| 80 12 08 1000 | | | .3 | 1 | 700.0 | 22.00 | 40.500 | 8.12 | 6.6 | | | | | |
| MAXIMUM | | | | | 820.0 | 48.00 | 80.000 | 8.41 | 8.6 | 0.001 | 0.040 | 0.10 | 0.034 | 0.02 |
| ARITH MEAN | | | | | 639 | 10.3 | 46.3 | 8.00 | 7.9 | 0.001L | 0.03 L | 0.08 | 0.02 L | 0.01 |
| GEOM MEAN | | | | | 636 | 6.0 | 44.5 | 7.99 | 7.9 | 0.001L | 0.03 L | 0.08 | 0.02 L | 0.00 |
| MINIMUM | | | | | 550.0 | 1.8 | 33.500 | 7.56 | 6.6 | 0.001< | 0.03 < | 0.064 | 0.02 < | 0.004 |
| STD DEV | | | | | 79 | 13.3 | 15.1 | 0.27 | 0.6 | 0.000L | 0.00 L | 0.02 | 0.01 L | 0.01 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | PBUT | CDUT | ZNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 07 07 1000 | | | .3 | 1 | 0.03 < | 0.005 < | 0.01 < | 0.02 < | 0.02 < | 0.01 < |
| 80 10 07 1600 | | | 3 | 1 | 0.003< | 0.0004 | 0.015 | 0.004 | 0.002< | 0.010< |
| MAXIMUM | | | | | 0.03 | 0.005 | 0.015 | 0.02 | 0.02 | 0.010 |
| ARITH MEAN | | | | | 0.01 L | 0.002 L | 0.01 L | 0.01 L | 0.01 L | 0.01 L |
| GEOM MEAN | | | | | 0.00 L | 0.001 L | 0.01 L | 0.00 L | 0.00 L | 0.01 L |
| MINIMUM | | | | | 0.003< | 0.0004< | 0.01 < | 0.004< | 0.002< | 0.01 < |
| STD DEV | | | | | 0.01 L | 0.003 L | 0.00 L | 0.01 L | 0.01 L | 0.00 L |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 2 |

B.O.W./SITE: **LYNDE CREEK**
SAMPLE POINT: **AT BASELINE ROAD WHITBY TOWNSHIP**
STATION TYPE: **RIVER FLOW GAUGE FED 02HC018**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **LYNDE CREEK**

STATION ID: **06-0108-001-02**
STORET CODE: **02**
**004**
**3710**

LAT: LONG: U.T.M: **17 0663850.0 4857775.0 4** REGION: **03** DISTANCE: **1.448**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 02 14 1210 | | | .3 | 1 | 22079 | 4 | 0.351 | 300I | 1900 | 120 | 10I | 0.0 | 9.5 | 0.4 |
| 80 03 14 1430 | | | .3 | 1 | 21086 | 4 | 0.315 | 2060 | 5000 | 100 | 100 | 0.0 | 9.6 | 0.8 |
| 80 04 22 1320 | | | .3 | 1 | 21143 | 6 | 0.999 | 580 | 4200 | 10< | 30I | 9.4 | 10.8 | 0.2 |
| 80 05 20 1015 | | | .3 | 1 | 21215 | 6 | 0.688 | 740C | 6600 | 192 | 40 | 15.0 | 9.4 | 0.8 |
| 80 06 23 1305 | | | .3 | 1 | 21277 | 6 | 0.290 | 640C | 15400 | 192 | 104 | 20.1 | 9.4 | 0.8 |
| 80 07 07 1045 | | | .3 | 1 | 21343 | 6 | 0.297 | 1600 | 24000 | 490 | 170 | 19.0 | 9.5 | 1.6 |
| 80 08 12 1000 | | | .3 | 1 | 21405 | 6 | 0.504 | 12100C | 21000 | 680 | 860 | 20.0 | 8.2 | 1.4 |
| 80 09 22 1030 | | | .3 | 1 | 21467 | 6 | 0.324 | 1700C | 54000 | 150 | 300 | 18.5 | 10.2 | 1.1 |
| 80 10 07 1630 | | | .3 | 1 | 21530 | 6 | 0.514 | 1100 | 14000 | 350 | 120I | 9.5 | 8.2 | 0.4 |
| 80 11 17 1030 | | | .3 | 1 | 21593 | 6 | 0.620 | 1300 | 3900 | 80I | 60I | 0.0 | 13.1 | 0.4 |
| 80 12 08 1025 | | | .3 | 1 | 21656 | 6 | 1.100 | 12800C | 34000 | 600 | 1090 | 0.0 | 8.0 | 0.9 |
| MAXIMUM | | | | | | | 1.100 | 12800 | 54000 | 680 | 1090 | 20.1 | 13.1 | 1.6 |
| ARITH MEAN | | | | | | | 0.546 | 3175 | 16727 | 269L | 262 | 10.1 | 9.6 | 0.8 |
| GEOM MEAN | | | | | | | 0.488 | 1523 | 10674 | 171L | 114 | 5.7 | 9.5 | 0.7 |
| MINIMUM | | | | | | | 0.290 | 300 | 1900 | 10< | 10 | 0.0 | 8.0 | 0.2 |
| STD DEV | | | | | | | 0.284 | 4619 | 15967 | 227L | 365 | 8.8 | 1.4 | 0.4 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

B.O.W / SITE: **LYNDE CREEK**
SAMPLE POINT: **AT BASELINE ROAD WHITBY TOWNSHIP**
STATION TYPE: **RIVER FLOW GAUGE FED 02HC018**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **LYNDE CREEK**

STATION ID: **06-0108-001-02**
STORET CODE: **02 004 3710**

LAT: LONG: U T M: **17 0663850.0 4857775.0 4** REGION: **03** DISTANCE: **1.448**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PPUT PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR PO4 FIL.REAC MG/L AS P | NNHTFR NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR NO2-N FIL.REAC MG/L AS N | NNO3FR NO3-N FIL.REAC MG/L AS N | NNTIFR ORG N TOTAL FIL.REAC MG/L | NNKUR KJELDAHL ORGANIC UNF.REAC MG/L | NNKI TOTAL N MG/L AS N | RST RESIDUE TOTAL MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 02 14 1210 | | | .3 | 1 | 0.021 | 0.004 | 0.096 | 0.270 | 0.010 | 1.090 | 1.196 | 0.174 | 1.370 | 370.0 |
| 80 03 14 1430 | | | .3 | 1 | 0.072 | 0.029 | 0.296 | 0.870 | 0.024 | 1.530 | 1.850 | 0.574 | 2.424 | 495.0 |
| 80 04 22 1320 | | | .3 | 1 | 0.043 | 0.014 | 0.076 | 0.560 | 0.016 | 1.280 | 1.372 | 0.484 | 1.856 | 421.0 |
| 80 05 20 1015 | | | .3 | 1 | 0.038 | 0.003 | 0.020 | 0.590 | 0.016 | 0.314 | 0.350 | 0.570 | 0.920 | 409.0 |
| 80 06 23 1305 | | | .3 | 1 | 0.070 | 0.012 | 0.094 | 0.600 | 0.012 | 0.118 | 0.224 | 0.506 | 0.730 | 368.0 |
| 80 07 07 1045 | | | .3 | 1 | 0.091 | 0.012 | 0.102 | 0.66 | 0.019 | 0.091 | 0.212 | 0.558 | 0.770 | 409 |
| 80 08 12 1000 | | | .3 | 1 | 0.070 | 0.019 | 0.074 | 0.55 | 0.018 | 0.262 | 0.354 | 0.476 | 0.830 | 309 |
| 80 09 22 1030 | | | .3 | 1 | 0.032 | 0.008 | 0.070 | 0.73 | 0.014 | 0.206 | 0.290 | 0.660 | 0.950 | 310 |
| 80 10 07 1630 | | | .3 | 1 | 0.021 | 0.006 | 0.038 | 0.43 | 0.009 | 0.336 | 0.383 | 0.392 | 0.775 | 371 |
| 80 11 17 1030 | | | .3 | 1 | 0.034 | 0.004 | 0.084 | 0.620 | 0.014 | 1.350 | 1.448 | 0.536 | 1.984 | 456.0 |
| 80 12 08 1025 | | | .3 | 1 | 0.113 | 0.023 | 0.166 | 0.650 | 0.018 | 1.530 | 1.714 | 0.484 | 2.198 | 417.0 |
| **MAXIMUM** | | | | | **0.113** | **0.029** | **0.296** | **0.870** | **0.024** | **1.530** | **1.850** | **0.660** | **2.424** | **495.0** |
| **ARITH MEAN** | | | | | **0.055** | **0.012** | **0.101** | **0.59** | **0.015** | **0.737** | **0.854** | **0.492** | **1.346** | **394** |
| **GEOM MEAN** | | | | | **0.048** | **0.010** | **0.082** | **0.57** | **0.015** | **0.474** | **0.617** | **0.470** | **1.215** | **390** |
| **MINIMUM** | | | | | **0.021** | **0.003** | **0.020** | **0.270** | **0.009** | **0.091** | **0.212** | **0.174** | **0.730** | **309** |
| **STD DEV** | | | | | **0.030** | **0.009** | **0.074** | **0.15** | **0.004** | **0.608** | **0.657** | **0.126** | **0.648** | **56** |
| **NO OF SAMPLES** | | | | | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RSP RESIDUE PARTIC. MG/L | COND25 CONDUCT. 25C UMHO/CM AT 25 C | TURB TURB'ITY FTU | CLIDUR CHLORIDE UNF.REAC MG/L AS CL | PH PH | FWPH PH FIELD | ASUT ARSENIC UNF.TOT. MG/L AS AS | HGUT MERCURY UNF.TOT. UG/L AS HG | ALUT ALUMINUM UNF.TOT. MG/L AS AL | CRUT CHROMIUM UNF.TOT. MG/L AS CR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 02 14 1210 | | | .3 | 1 | 8.0 | 620.0 | 4.40 | 35.000 | 7.74 | 7.5 | | | | |
| 80 03 14 1430 | | | .3 | 1 | 13.0 | 800.0 | 6.50 | 108.000 | 7.82 | 7.4 | | | | |
| 80 04 22 1320 | | | .3 | 1 | 9.0 | 620.0 | 6.20 | 38.000 | 8.06 | 8.0 | | | | |
| 80 05 20 1015 | | | .3 | 1 | 13.0 | 600.0 | 4.50 | 36.000 | 7.93 | 8.0 | | | | |
| 80 06 23 1305 | | | .3 | 1 | 28.0 | 500.0 | 18.00 | 30.500 | 8.07 | 7.8 | | | | |
| 80 07 07 1045 | | | .3 | 1 | 37 | 550 | 24 | 39.5 | 8.13 | 8.2 | 0.001< | 0.03 < | 1.4 | 0.02 < |
| 80 08 12 1000 | | | .3 | 1 | 20 | 445 | 13 | 30.5 | 7.92 | 7.9 | | | | |
| 80 09 22 1030 | | | .3 | 1 | 9 | 550 | 4.4 | 37.0 | 8.08 | 8.6 | | | | |
| 80 10 07 1630 | | | .3 | 1 | 7 | 620 | 5.5 | 36.0 | 8.17 | 7.9 | 0.001< | 0.040< | 0.170 | 0.029 |
| 80 11 17 1030 | | | .3 | 1 | 4.0 | 720.0 | 5.10 | 41.500 | 8.11 | 7.9 | | | | |
| 80 12 08 1025 | | | .3 | 1 | 7.0 | 680.0 | 25.00 | 46.500 | 8.10 | 6.9 | | | | |
| **MAXIMUM** | | | | | **37** | **800.0** | **25.00** | **108.000** | **8.17** | **8.8** | **0.001** | **0.040** | **1.4** | **0.029** |
| **ARITH MEAN** | | | | | **14** | **609** | **10** | **43.5** | **8.01** | **7.8** | **0.001L** | **0.03 L** | **0.7** | **0.02 L** |
| **GEOM MEAN** | | | | | **11** | **602** | **8** | **40.5** | **8.01** | **7.8** | **0.001L** | **0.03 L** | **0.4** | **0.02 L** |
| **MINIMUM** | | | | | **4.0** | **445** | **4.40** | **30.500** | **7.74** | **6.9** | **0.001<** | **0.03 <** | **0.170** | **0.02 <** |
| **STD DEV** | | | | | **10** | **100** | **8** | **21.8** | **0.14** | **0.4** | **0.000L** | **0.00 L** | **0.8** | **0.00 L** |
| **NO OF SAMPLES** | | | | | **11** | **11** | **11** | **11** | **11** | **11** | **2** | **2** | **2** | **2** |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CUUT COPPER UNF.TOT. MG/L AS CU | PBUT LEAD UNF.TOT. MG/L AS PB | CDUT CADMIUM UNF.TOT. MG/L AS CD | ZNUT ZINC UNF.TOT. MG/L AS ZN | NIUT NICKEL UNF.TOT. MG/L AS NI | COUT COBALT UNF.TOT. MG/L AS CO | CCNAUR CYANIDE AVAIL UNF.REAC MG/L AS HCN |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 07 07 1045 | | | 3 | 1 | 0.02 | 0.03 < | 0.005 < | 0.01 < | 0.02 < | 0.02 < | 0.01 < |
| 80 10 07 1630 | | | 3 | 1 | 0.002 | 0.003< | 0.0002< | 0.008 | 0.003 | 0.002< | 0.010< |
| **MAXIMUM** | | | | | **0.02** | **0.03** | **0.005** | **0.01** | **0.02** | **0.02** | **0.010** |
| **ARITH MEAN** | | | | | **0.01** | **0.01 L** | **0.002 L** | **0.00 L** | **0.01 L** | **0.01 L** | **0.01 L** |
| **GEOM MEAN** | | | | | **0.00** | **0.00 L** | **0.001 L** | **0.00 L** | **0.00 L** | **0.00 L** | **0.01 L** |
| **MINIMUM** | | | | | **0.002** | **0.003<** | **0.0002<** | **0.008<** | **0.003<** | **0.002<** | **0.01 <** |
| **STD DEV** | | | | | **0.01** | **0.01 L** | **0.003 L** | **0.00 L** | **0.01 L** | **0.01 L** | **0.00 L** |
| **NO OF SAMPLES** | | | | | **2** | **2** | **2** | **2** | **2** | **2** | **2** |

B.O.W / SITE: **PRINGLE CREEK**
SAMPLE POINT: **WATSON STREET, WHITBY**
STATION TYPE: **RIVER FLOW GAUGE MOE 02HD108**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **PRINGLE CREEK**

STATION ID: **06-0109-003-02**
STORET CODE: **02 004 3700**

LAT: LONG: U T M: **17 0666375.0 4858225.0 4** REGION: **03** DISTANCE: **1.770**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE SAMPLE NUMBER | FWSTRC STREAM COND. | TCMF COLIFORM TOTAL MF CNT /100ML | TCMFBK COLIFORM TOTAL MF BCKGRD CNT /100ML | FCMF FECAL COLIFORM MF CNT /100ML | FSMF FECAL STREPCUS MF CNT /100ML | FWTEMP WATER TEMP DEG.C | DO DISOLVED OXYGEN MG/L AS O | BOD5 BOD 5 DAY TOT.DEM. MG/L AS O | PPUT PHOSPHOR UNF.TOT. MG/L AS P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 11 1200 | | | .3 | 1 | 22019 | 6 | 620000 | 1200000 | 14900 | 11000 | 1.8 | 11.6 | 2.6 | 0.910 |
| 80 02 14 1140 | | | .3 | 1 | 22078 | 6 | 39000 | 25000 | 5700 | 2600 | 7.0 | 7.9 | 3.2 | 0.480 |
| 80 03 14 1415 | | | .3 | 1 | 21085 | 6 | 1200 | 6000 | 20I | 30I | 4.0 | 8.7 | 4.2 | 0.410 |
| 80 04 22 1340 | | | .3 | 1 | 21144 | 6 | 3100 | 7000 | 288 | 56 | 12.4 | 8.6 | 3.2 | 0.265 |
| 80 05 20 1100 | | | .3 | 1 | 21216 | 6 | 79000C | 360000 | 3500 | 128 | 15.8 | 10.8 | 3.2 | 0.270 |
| 80 06 23 1320 | | | .3 | 1 | 21278 | 6 | 131000C | 256000 | 8600 | 1600 | 17.8 | 9.2 | 4.2 | 1.200 |
| 80 07 07 1110 | | | .3 | 1 | 21344 | 6 | 3000C | 44000 | 40I | 20I | 16.5 | 9.6 | 1.8 | 0.358 |
| 80 08 12 1020 | | | .3 | 1 | 21406 | 6 | 42000C | 320000 | 1160 | 480 | 18.8 | 10.3 | 1.6 | 0.385 |
| 80 09 22 1100 | | | .3 | 1 | 21468 | 6 | 2800C | 140000 | 60I | 220 | 20.5 | 11.2 | 5.5 | 0.658 |
| 80 10 07 1648 | | | .3 | 1 | 21531 | 6 8 | 1200 | 6800 | 90I | 200 | 13.0 | 8.4 | 1.8 | 0.450 |
| 80 11 17 1100 | | | .3 | 1 | 21594 | 6 | 4700 | 6300 | 140 | 60I | 3.0 | 11.0 | 2.0 | 0.586 |
| 80 12 08 1050 | | | .3 | 1 | 21657 | 6 | 131000C | 220000 | 32000 | 11900 | 4.0 | 7.0 | 4.1 | 0.395 |
| **MAXIMUM** | | | | | | | **620000** | **1200000** | **32000** | **11900** | **20.5** | **11.6** | **5.5** | **1.200** |
| **ARITH MEAN** | | | | | | | **88167** | **215925** | **5541** | **2358** | **11.2** | **9.5** | **3.1** | **0.531** |
| **GEOM MEAN** | | | | | | | **15803** | **59955** | **710** | **346** | **8.6** | **9.4** | **2.9** | **0.479** |
| **MINIMUM** | | | | | | | **1200** | **6000** | **20** | **20** | **1.8** | **7.0** | **1.6** | **0.265** |
| **STD DEV** | | | | | | | **174517** | **336936** | **9624** | **4323** | **6.9** | **1.5** | **1.2** | **0.277** |
| **NO OF SAMPLES** | | | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

(CONTD)

| TEST-NAME: | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 11 1200 | | .3 | 1 | 0.110 | 0.630 | 2.800 | 0.052 | 0.815 | 1.497 | 2.170 | 3.667 | 715.0 | 449.0 |
| 80 02 14 1140 | | .3 | 1 | 0.046 | 5.700 | 7.450 | 1.530 | 9.470 | 16.700 | 1.750 | 18.450 | 534.0 | 30.0 |
| 80 03 14 1415 | | .3 | 1 | 0.074 | 5.600 | 7.200 | 0.077 | 6.080 | 11.757 | 1.600 | 13.357 | 2092.0 | 40.0 |
| 80 04 22 1340 | | .3 | 1 | 0.091 | 0.430 | 1.500 | 0.070 | 5.930 | 6.430 | 1.070 | 7.500 | 616.0 | 8.0 |
| 80 05 20 1100 | | .3 | 1 | 0.130 | 1.110 | 2.280 | 0.340 | 5.410 | 6.860 | 1.170 | 8.030 | 593.0 | 18.0 |
| 80 06 23 1320 | | .3 | 1 | 0.720 | 0.550 | 2.020 | 0.200 | 13.300 | 14.050 | 1.470 | 15.520 | 638.0 | 58.0 |
| 80 07 07 1110 | | .3 | 1 | 0.160 | 0.086 | 0.78 | 0.039 | 10.8 | 10.925 | 0.694 | 11.619 | 647 | 19 |
| 80 08 12 1020 | | .3 | 1 | 0.190 | 0.054 | 0.95 | 0.027 | 8.97 | 9.051 | 0.896 | 9.947 | 450 | 75 |
| 80 09 22 1100 | | .3 | 1 | 0.500 | 1.45 | 3.15 | 0.001 | 7.2 | 8.651 | 1.700 | 10.351 | 449 | 10 |
| 80 10 07 1648 | | .3 | 1 | 0.360 | 0.100 | 1.25 | 0.70 | 3.05 | 3.850 | 1.150 | 5.000 | 504 | 6 |
| 80 11 17 1100 | | .3 | 1 | 0.017 | 0.118 | 1.350 | 0.022 | 1.290 | 1.430 | 1.232 | 2.662 | 580.0 | 25.0 |
| 80 12 08 1050 | | .3 | 1 | 0.098 | 0.580 | 1.750 | 0.035 | 2.360 | 2.975 | 1.170 | 4.145 | 564.0 | 134.0 |
| **MAXIMUM** | | | | **0.720** | **5.700** | **7.450** | **1.530** | **13.300** | **16.700** | **2.170** | **18.450** | **2092.0** | **449.0** |
| **ARITH MEAN** | | | | **0.208** | **1.38** | **2.70** | **0.25** | **6.2** | **7.848** | **1.339** | **9.187** | **698** | **72** |
| **GEOM MEAN** | | | | **0.132** | **0.60** | **2.09** | **0.07** | **4.7** | **6.080** | **1.281** | **7.862** | **631** | **32** |
| **MINIMUM** | | | | **0.017** | **0.054** | **0.78** | **0.001** | **0.815** | **1.430** | **0.694** | **2.662** | **449** | **6** |
| **STD DEV** | | | | **0.212** | **2.04** | **2.27** | **0.44** | **3.9** | **4.936** | **0.412** | **4.967** | **445** | **124** |
| **NO OF SAMPLES** | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | COND25 | TURB | CLIDUR | PH | FWPH | PHNOL | ASUT | HGUT | ALUT | CRUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR |
| 80 01 11 1200 | | .3 | 1 | 485.0 | 150.00 | 95.000 | 7.54 | 7.5 | | | | | |
| 80 02 14 1140 | | .3 | 1 | 890.0 | 17.00 | 108.000 | 7.36 | 7.1 | | | | | |
| 80 03 14 1415 | | .3 | 1 | 3650.0 | 24.00 | 1000.000 | 7.50 | 7.1 | 3.000 | | | | |
| 80 04 22 1340 | | .3 | 1 | 900.0 | 5.40 | 116.000 | 7.70 | 7.6 | | | | | |
| 80 05 20 1100 | | .3 | 1 | 850.0 | 6.20 | 110.000 | 7.52 | 7.7 | | | | | |
| 80 06 23 1320 | | .3 | 1 | 800.0 | 20.00 | 99.500 | 7.43 | 7.3 | 1.000 | | | | |
| 80 07 07 1110 | | .3 | 1 | 900 | 7.8 | 116 | 7.66 | 7.6 | | 0.001< | 0.03 | 0.86 | 0.02 < |
| 80 08 12 1020 | | .3 | 1 | 550 | 52 | 65.0 | 7.60 | 7.6 | | | | | |
| 80 09 22 1100 | | .3 | 1 | 750 | 2.2 | 94 | 7.33 | 7.9 | | | | | |
| 80 10 07 1648 | | .3 | 1 | 800 | 4.5 | 98.5 | 7.64 | 7.5 | | 0.001< | 0.040< | 0.380 | 0.100 |
| 80 11 17 1100 | | .3 | 1 | 880.0 | 16.00 | 94.000 | 7.78 | 7.7 | | | | | |
| 80 12 08 1050 | | .3 | 1 | 700.0 | 58.00 | 76.000 | 7.79 | 6.8 | | | | | |
| **MAXIMUM** | | | | **3650.0** | **150.00** | **1000.000** | **7.79** | **7.9** | **3.000** | **0.001** | **0.040** | **0.86** | **0.100** |
| **ARITH MEAN** | | | | **1012** | **30** | **172** | **7.57** | **7.4** | **2.000** | **0.001L** | **0.03 L** | **0.62** | **0.06 L** |
| **GEOM MEAN** | | | | **885** | **15** | **118** | **7.57** | **7.4** | **1.732** | **0.001L** | **0.03 L** | **0.57** | **0.04 L** |
| **MINIMUM** | | | | **485.0** | **2.2** | **65.0** | **7.33** | **6.8** | **1.000** | **0.001<** | **0.03 <** | **0.380** | **0.02 <** |
| **STD DEV** | | | | **841** | **41** | **260** | **0.15** | **0.3** | **1.414** | **0.000L** | **0.00 L** | **0.33** | **0.05 L** |
| **NO OF SAMPLES** | | | | **12** | **12** | **12** | **12** | **12** | **2** | **2** | **2** | **2** | **2** |

| TEST-NAME: | | | | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 07 07 1110 | | .3 | 1 | 0.08 | 0.03 < | 0.005< | 0.02 | 0.16 | 0.02 < | 0.01 < |
| 80 10 07 1648 | | .3 | 1 | 0.008 | 0.003< | 0.001 | 0.008 | 0.062 | 0.002< | 0.010< |
| **MAXIMUM** | | | | **0.08** | **0.03** | **0.005** | **0.02** | **0.16** | **0.02** | **0.010** |
| **ARITH MEAN** | | | | **0.04** | **0.01 L** | **0.003L** | **0.01** | **0.11** | **0.01 L** | **0.01 L** |
| **GEOM MEAN** | | | | **0.02** | **0.00 L** | **0.002L** | **0.01** | **0.10** | **0.00 L** | **0.01 L** |
| **MINIMUM** | | | | **0.008** | **0.003<** | **0.001<** | **0.008** | **0.062** | **0.002<** | **0.01 <** |
| **STD DEV** | | | | **0.05** | **0.01 L** | **0.003L** | **0.00** | **0.06** | **0.01 L** | **0.00 L** |
| **NO OF SAMPLES** | | | | **2** | **2** | **2** | **2** | **2** | **2** | **2** |

BOW / SITE **OSHAWA CREEK**
SAMPLE POINT **SIMCOE STREET SOUTH OSHAWA**
STATION TYPE **RIVER FLOW GAUGE FED 02HD008**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **OSHAWA CREEK**

STATION ID: **06-0111-001-02**
STORET CODE **02**
**004**
**3660**

LAT LONG: U T M: **17 0674275.0 4859125.0 4** REGION: **03** DISTANCE **0.644**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 11 1205 | | .3 | 1 | 22018 | 6 | 5.000 | 57000 | 240000 | 1920 | 3000> | 1.0 | 11.9 | 3.0 |
| 80 02 14 1120 | | .3 | 1 | 22077 | 4 | 0.540 | 1000I | 6000 | 1000 | 800I | 0.0 | 11.1 | 0.8 |
| 80 03 14 1400 | | .3 | 1 | 21084 | 4 | 0.495 | 520 | 4200 | 120I | 140I | 0.0 | 9.5 | 0.6 |
| 80 04 22 1400 | | .3 | 1 | 21145 | 6 | 1.070 | 180I | 4800 | 20I | 370 | 11.8 | 10.9 | 0.2 |
| 80 05 20 1130 | | .3 | 1 | 21217 | 6 | 0.885 | 950C | 120000> | 144 | 40I | 15.8 | 10.8 | 0.8 |
| 80 06 23 1400 | | .3 | 1 | 21279 | 6 | 0.649 | 5900C | 96000 | 160 | 120 | 18.8 | 10.7 | 0.6 |
| 80 07 07 1130 | | .3 | 1 | 21345 | 6 | 0.509 | 44000 | 180000 | 200 | 170 | 17.0 | 9.4 | 1.8 |
| 80 08 12 1045 | | .3 | 1 | 21407 | 6 | 0.720 | 45000C | 308000 | 820 | 2740 | 18.8 | 10.1 | 1.2 |
| 80 09 22 1125 | | .3 | 1 | 21469 | 6 | 0.555 | 10000 | 9000 | 460 | 250I | 18.0 | 10.9 | 0.9 |
| 80 10 07 1700 | | .3 | 1 | 21532 | 6 | 0.631 | 2100 | 21000 | 260 | 60I | 10.5 | 8.5 | 0.4 |
| 80 11 17 1130 | | .3 | 1 | 21595 | 6 | 0.722 | 4800 | 2900 | 150 | 50I | 0.0 | 12.4 | 0.4 |
| 80 12 08 1120 | | .3 | 1 | 21658 | 6 | 2.800 | 8400C | 36000 | 670 | 1480 | 0.5 | 6.7 | 2.4 |
| **MAXIMUM** | | | | | | **5.000** | **57000** | **308000>** | **1920** | **3000>** | **18.8** | **12.4** | **3.0** |
| **ARITH MEAN** | | | | | | **1.215** | **14987** | **85658G** | **494** | **768G** | **9.3** | **10.2** | **1.1** |
| **GEOM MEAN** | | | | | | **0.879** | **4382** | **29081G** | **278** | **287G** | **4.7** | **10.1** | **0.8** |
| **MINIMUM** | | | | | | **0.495** | **180** | **2900** | **20** | **40** | **0.0** | **6.7** | **0.2** |
| **STD DEV** | | | | | | **1.349** | **20779** | **105458G** | **547** | **1087G** | **8.4** | **1.5** | **0.9** |
| **NO OF SAMPLES** | | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

(CONTD)

| | | | |
|---|---|---|---|
| B.O.W./ SITE: **OSHAWA CREEK** | | | STATION ID: **06-0111-001-02** |
| SAMPLE POINT: **SIMCOE STREET SOUTH OSHAWA** | | | |
| STATION TYPE: **RIVER FLOW GAUGE FED 02HD008** | MAJOR BASIN: **GREAT LAKES** | | STORET CODE: **02**<br>**004**<br>**3560** |
| | MINOR BASIN: **LAKE ONTARIO** | | |
| | TERM STREAM: **OSHAWA CREEK** | | |
| LAT: | LONG: | U T M: **17 0674275.0 4859125.0 4** | REGION: **03** DISTANCE: **0.644** |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 11 1205 | | | .3 | 1 | 0.565 | 0.063 | 0.022 | 1.650 | 0.050 | 0.450 | 0.522 | 1.628 | 2.150 | 453.0 |
| 80 02 14 1120 | | | .3 | 1 | 0.032 | 0.008 | 0.140 | 0.290 | 0.010 | 0.850 | 1.000 | 0.150 | 1.150 | 393.0 |
| 80 03 14 1400 | | | .3 | 1 | 0.200 | 0.180 | 0.154 | 0.460 | 0.015 | 0.085 | 0.254 | 0.306 | 0.560 | 525.0 |
| 80 04 22 1400 | | | .3 | 1 | 0.046 | 0.613 | 0.100 | 0.530 | 0.010 | 0.940 | 1.050 | 0.430 | 1.480 | 405.0 |
| 80 05 20 1130 | | | .3 | 1 | 0.027 | 0.006 | 0.044 | 0.420 | 0.015 | 0.345 | 0.404 | 0.376 | 0.780 | 352.0 |
| 80 06 23 1400 | | | .3 | 1 | 0.031 | 0.008 | 0.072 | 0.360 | 0.013 | 0.322 | 0.407 | 0.288 | 0.695 | 376.0 |
| 80 07 07 1130 | | | .3 | 1 | 0.074 | 0.014 | 0.164 | 0.53 | 0.020 | 0.395 | 0.579 | 0.366 | 0.945 | 393 |
| 80 08 12 1045 | | | .3 | 1 | 0.058 | 0.012 | 0.024 | 0.38 | 0.014 | 0.486 | 0.524 | 0.356 | 0.880 | 252 |
| 80 09 22 1125 | | | .3 | 1 | 0.021 | 0.005 | 0.64 | 0.33 | 0.020 | 0.340 | 1.000 | 0.310 | 0.690 | 292 |
| 80 10 07 1700 | | | .3 | 1 | 0.021 | 0.004 | 0.032 | 0.31 | 0.020 | 0.310 | 0.362 | 0.278 | 0.640 | 327 |
| 80 11 17 1130 | | | .3 | 1 | 0.019 | 0.007 | 0.098 | 0.390 | 0.005 | 0.845 | 0.948 | 0.292 | 1.240 | 406.0 |
| 80 12 08 1120 | | | .3 | 1 | 0.178 | 0.018 | 0.124 | 0.900 | 0.028 | 1.070 | 1.222 | 0.776 | 1.998 | 558.0 |
| **MAXIMUM** | | | | | **0.565** | **0.613** | **0.64** | **1.650** | **0.050** | **1.070** | **1.222** | **1.628** | **2.150** | **558.0** |
| **ARITH MEAN** | | | | | **0.106** | **0.078** | **0.13** | **0.54** | **0.018** | **0.536** | **0.689** | **0.463** | **1.101** | **394** |
| **GEOM MEAN** | | | | | **0.056** | **0.018** | **0.08** | **0.47** | **0.016** | **0.446** | **0.615** | **0.379** | **1.001** | **385** |
| **MINIMUM** | | | | | **0.019** | **0.004** | **0.022** | **0.290** | **0.005** | **0.085** | **0.254** | **0.150** | **0.560** | **252** |
| **STD DEV** | | | | | **0.157** | **0.176** | **0.16** | **0.38** | **0.012** | **0.309** | **0.330** | **0.396** | **0.530** | **87** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | RSP | COND25 | TURB | CLIDUR | PH | FWPH | PHNOL | FEUT | ASUT | ALUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL |
| 80 01 11 1205 | | | .3 | 1 | 32.0 | 810.0 | 100.00 | 180.000 | 7.55 | 7.5 | 5.000 | | 0.003 | 6.200 |
| 80 02 14 1120 | | | .3 | 1 | 15.0 | 700.0 | 8.50 | 65.000 | 7.95 | 7.9 | 1.000< | | | |
| 80 03 14 1400 | | | .3 | 1 | 23.0 | 820.0 | 6.40 | 115.000 | 8.14 | 7.7 | 1.000< | | 0.001< | |
| 80 04 22 1400 | | | .3 | 1 | 13.0 | 650.0 | 7.10 | 46.000 | 8.21 | 8.1 | 1.000< | 0.580 | 0.001< | |
| 80 05 20 1130 | | | .3 | 1 | 7.0 | 600.0 | 3.70 | 34.500 | 8.19 | 8.2 | 1.000< | | 0.001< | 0.070 |
| 80 06 23 1400 | | | .3 | 1 | 8.0 | 550.0 | 4.80 | 32.000 | 8.22 | 8.1 | 1.000< | 0.460 | | |
| 80 07 07 1130 | | | .3 | 1 | 34 | 550 | 17 | 32.5 | 8.18 | 8.2 | 1 < | | | |
| 80 08 12 1045 | | | .3 | 1 | 21 | 355 | 16 | 18.5 | 7.92 | 7.8 | 1 < | 0.58 | | |
| 80 09 22 1125 | | | .3 | 1 | 12 | 520 | 4.2 | 26.5 | 8.11 | 8.5 | 1 < | 0.55 | | |
| 80 10 07 1700 | | | .3 | 1 | 5 | 540 | 4.0 | 29.5 | 8.07 | 8.2 | | 0.210 | | |
| 80 11 17 1130 | | | .3 | 1 | 10.0 | 660.0 | 6.50 | 37.500 | 8.21 | 8.3 | | | | |
| 80 12 08 1120 | | | .3 | 1 | 132.0 | 740.0 | 55.00 | 91.000 | 8.09 | 7.0 | 4.000 | | | |
| **MAXIMUM** | | | | | **132.0** | **820.0** | **100.00** | **180.000** | **8.22** | **8.5** | **5.000** | **0.58** | **0.003** | **6.200** |
| **ARITH MEAN** | | | | | **26** | **624** | **19** | **59.0** | **8.07** | **8.0** | **1 L** | **0.47** | **0.001L** | **3.135** |
| **GEOM MEAN** | | | | | **16** | **610** | **10** | **46.7** | **8.07** | **7.9** | **1 L** | **0.44** | **0.001L** | **0.659** |
| **MINIMUM** | | | | | **5** | **355** | **3.70** | **18.5** | **7.55** | **7.0** | **1.000<** | **0.210** | **0.001<** | **0.070** |
| **STD DEV** | | | | | **34** | **133** | **29** | **47.7** | **0.19** | **0.4** | **1 L** | **0.15** | **0.001L** | **4.335** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **10** | **5** | **4** | **2** |

| TEST-NAME: | | | | | CRUT | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 01 11 1205 | | | .3 | 1 | 0.040 | 0.030 | 0.210 | 0.010 | 0.170 | 0.050 | 0.020< |
| 80 02 14 1120 | | | .3 | 1 | 0.030 | 0.030 | 0.030< | | 0.010< | 0.080 | |
| 80 03 14 1400 | | | .3 | 1 | 0.020< | 0.010< | 0.030< | 0.005< | 0.010 | | |
| 80 04 22 1400 | | | .3 | 1 | 0.020< | 0.020 | 0.030< | | 0.040 | 0.050 | |
| 80 05 20 1130 | | | .3 | 1 | 0.020< | 0.060 | 0.030< | 0.005< | 0.010 | 0.160 | 0.020< |
| 80 06 23 1400 | | | .3 | 1 | 0.020< | 0.010< | 0.030< | | 0.010< | | |
| 80 07 07 1130 | | | .3 | 1 | 0.02 < | 0.02 | 0.03 < | | 0.01 < | 0.02 | |
| 80 08 12 1045 | | | .3 | 1 | | | 0.003 | | | | |
| 80 09 22 1125 | | | .3 | 1 | 0.062 | 0.005 | 0.003< | | 0.005 | 0.073 | |
| 80 10 07 1700 | | | .3 | 1 | 0.047 | 0.003 | 0.003< | | 0.003 | 0.034 | |
| 80 11 17 1130 | | | .3 | 1 | 0.002< | 0.001< | 0.003< | | 0.004 | 0.002< | |
| **MAXIMUM** | | | | | **0.062** | **0.060** | **0.210** | **0.010** | **0.170** | **0.160** | **0.020** |
| **ARITH MEAN** | | | | | **0.02 L** | **0.01 L** | **0.03 L** | **0.007L** | **0.02 L** | **0.05 L** | **0.020L** |
| **GEOM MEAN** | | | | | **0.02 L** | **0.01 L** | **0.01 L** | **0.006L** | **0.01 L** | **0.03 L** | **0.020L** |
| **MINIMUM** | | | | | **0.002<** | **0.001<** | **0.003<** | **0.005<** | **0.003<** | **0.002<** | **0.020<** |
| **STD DEV** | | | | | **0.01 L** | **0.01 L** | **0.06 L** | **0.003L** | **0.05 L** | **0.04 L** | **0.000L** |
| **NO OF SAMPLES** | | | | | **10** | **10** | **11** | **3** | **10** | **8** | **2** |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **MONTGOMERY CREEK**
SAMPLE POINT: **AT HARBOUR ROAD OSHAWA**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **OSHAWA CREEK**

STATION ID: **06-0111-002-02**

STORET CODE: **02**
**004**
**3880**

LAT:
LONG:
U T M: **17 0674350.0 4859625.0 4**
REGION: **03**
DISTANCE: **0.885**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 11 1150 | | | .3 | 1 | 22017 | 6 9 | 9000C | 1380000 | 1120 | 3000> | 1.9 | 11.4 | 2.0 | 0.715 |
| 80 02 14 1100 | | | .3 | 1 | 22076 | 4 | 4000I | 5000 | 420 | 100I | 3.0 | 10.4 | 1.2 | 0.069 |
| 80 03 14 1338 | | | .3 | 1 | 21083 | 4 | 4700 | 25000 | 1160 | 540 | 1.0 | 9.4 | 1.2 | 0.107 |
| 80 04 22 1415 | | | .3 | 1 | 21146 | 6 | 1180 | 3800 | 60I | 20< | 10.8 | 10.6 | 0.2 | 0.088 |
| 80 05 20 1145 | | | .3 | 1 | 21218 | 6 | 3000I | 119000 | 120 | 10I | 15.2 | 11.2 | 1.4 | 0.108 |
| 80 06 23 1415 | | | .3 | 1 | 21280 | 6 9 | 2600000 | 1000000 | 100000 | 21000 | 18.5 | 8.9 | 2.0 | 0.188 |
| 80 07 07 1145 | | | .3 | 1 | 21346 | 6 | 5400000 | 6600000 | 1270000 | 43000 | 17.0 | 4.8 | 15.0 | 0.666 |
| 80 08 12 1100 | | | .3 | 1 | 21408 | 6 | 110000 | 1640000 | 1100 | 1000I | 20.0 | 8.5 | 2.6 | 0.128 |
| 80 09 22 1140 | | | .3 | 1 | 21470 | 6 | 590000 | 1300000 | 8900 | 1900 | 19.5 | 10.2 | 4.2 | 0.142 |
| 80 10 07 1715 | | | .3 | 1 | 21533 | 6 | 740000 | 640000 | 63000 | 6000 | 11.0 | 6.6 | 1.8 | 0.150 |
| 80 11 17 1145 | | | .3 | 1 | 21596 | 6 | 2000I | 143000 | 100I | 300I | 0.0 | 11.2 | 0.6 | 0.075 |
| 80 12 08 1135 | | | .3 | 1 | 21659 | 6 | 46000 | 160000 | 4200 | 4400 | 5.0 | 6.7 | 7.4 | 0.450 |
| MAXIMUM | | | | | | | 5400000 | 6600000 | 1270000 | 43000> | 20.0 | 11.4 | 15.0 | 0.715 |
| ARITH MEAN | | | | | | | 792490 | 1084650 | 120848 | 67728 | 10.2 | 9.2 | 3.3 | 0.240 |
| GEOM MEAN | | | | | | | 42740 | 224134 | 2667 | 9348 | 8.6 | 8.9 | 1.9 | 0.170 |
| MINIMUM | | | | | | | 1180 | 3800 | 60 | 10< | 0.0 | 4.8 | 0.2 | 0.069 |
| STD DEV | | | | | | | 1631885 | 1838895 | 363283 | 128248 | 7.7 | 2.1 | 4.2 | 0.233 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 11 1150 | | | .3 | 1 | 0.066 | 0.008 | 1.650 | 0.038 | 0.277 | 0.323 | 1.642 | 1.965 | 590.0 | 341.0 |
| 80 02 14 1100 | | | .3 | 1 | 0.010 | 0.292 | 0.760 | 0.033 | 0.870 | 1.195 | 0.468 | 1.663 | 740.0 | 16.0 |
| 80 03 14 1338 | | | .3 | 1 | 0.019 | 0.460 | 0.940 | 0.035 | 0.790 | 1.285 | 0.480 | 1.765 | 987.0 | 24.0 |
| 80 04 22 1415 | | | .3 | 1 | 0.018 | 0.370 | 1.000 | 0.051 | 2.000 | 2.421 | 0.630 | 3.051 | 804.0 | 18.0 |
| 80 05 20 1145 | | | .3 | 1 | 0.006 | 0.136 | 0.750 | 0.059 | 1.430 | 1.625 | 0.614 | 2.239 | 688.0 | 15.0 |
| 80 06 23 1415 | | | .3 | 1 | 0.002 | 0.004 | 1.050 | 0.040 | 1.110 | 1.154 | 1.046 | 2.200 | 726.0 | 29.0 |
| 80 07 07 1145 | | | .3 | 1 | 0.012 | 0.026 | 3.40 | 0.009 | 0.081 | 0.116 | 3.374 | 3.490 | 755 | 41 |
| 80 08 12 1100 | | | .3 | 1 | 0.035 | 0.042 | 0.60 | 0.045 | 0.905 | 0.992 | 0.558 | 1.550 | 256 | 15 |
| 80 09 22 1140 | | | .3 | 1 | 0.013 | 0.184 | 1.12 | 0.005 | 0.225 | 0.414 | 0.936 | 1.350 | 439 | 16 |
| 80 10 07 1715 | | | .3 | 1 | 0.048 | 0.214 | 1.48 | 0.570 | 0.97 | 1.754 | 1.266 | 3.020 | 529 | 6 |
| 80 11 17 1145 | | | .3 | 1 | 0.005 | 0.336 | 0.820 | 0.076 | 0.099 | 0.511 | 0.484 | 0.995 | 580.0 | 5.0 |
| 80 12 08 1135 | | | .3 | 1 | 0.048 | 0.270 | 1.820 | 0.071 | 0.980 | 1.321 | 1.550 | 2.871 | 729.0 | 169.0 |
| MAXIMUM | | | | | 0.066 | 0.460 | 3.40 | 0.570 | 2.000 | 2.421 | 3.374 | 3.490 | 987.0 | 341.0 |
| ARITH MEAN | | | | | 0.023 | 0.195 | 1.28 | 0.086 | 0.81 | 1.093 | 1.087 | 2.180 | 651 | 57 |
| GEOM MEAN | | | | | 0.015 | 0.099 | 1.13 | 0.042 | 0.55 | 0.842 | 0.891 | 2.049 | 620 | 24 |
| MINIMUM | | | | | 0.002 | 0.004 | 0.60 | 0.005 | 0.081 | 0.116 | 0.468 | 0.995 | 256 | 5.0 |
| STD DEV | | | | | 0.021 | 0.156 | 0.76 | 0.154 | 0.57 | 0.670 | 0.833 | 0.777 | 189 | 99 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | PH | FWPH | PHNOL |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL |
| 80 01 11 1150 | | | .3 | 1 | 470.0 | 125.00 | 105.000 | 7.42 | 7.5 | 5.000 |
| 80 02 14 1100 | | | .3 | 1 | 1250.0 | 1.00 | 290.000 | 7.74 | 7.7 | 1.000< |
| 80 03 14 1338 | | | .3 | 1 | 1700.0 | 8.50 | 425.000 | 7.82 | 7.5 | 1.000< |
| 80 04 22 1415 | | | .3 | 1 | 1140.0 | 18.00 | 185.000 | 8.00 | 7.9 | 1.000< |
| 80 05 20 1145 | | | .3 | 1 | 1000.0 | 15.00 | 152.000 | 7.78 | 7.7 | 1.000 |
| 80 06 23 1415 | | | .3 | 1 | 1000.0 | 18.00 | 160.000 | 7.50 | 7.6 | 1.000< |
| 80 07 07 1145 | | | .3 | 1 | 1000 | 18 | 156 | 5.13 | 7.5 | 3 |
| 80 08 12 1100 | | | .3 | 1 | 370 | 9.5 | 49.5 | 7.43 | 7.5 | 1 |
| 80 09 22 1140 | | | .3 | 1 | 740 | 5.0 | 108 | 7.56 | 7.9 | 1 |
| 80 10 07 1715 | | | .3 | 1 | 870 | 4.2 | 134.0 | 7.53 | 7.5 | |
| 80 11 17 1145 | | | .3 | 1 | 950.0 | 9.60 | 138.000 | 7.85 | 7.8 | 1.000< |
| 80 12 08 1135 | | | .3 | 1 | 1020.0 | 140.00 | 225.000 | 7.72 | 6.7 | 16.000 |
| MAXIMUM | | | | | 1700.0 | 140.00 | 425.000 | 8.00 | 7.9 | 16.000 |
| ARITH MEAN | | | | | 959 | 30 | 177 | 7.46 | 7.6 | 2 L |
| GEOM MEAN | | | | | 894 | 13 | 155 | 7.41 | 7.6 | 1 L |
| MINIMUM | | | | | 370 | 1.00 | 49.5 | 5.13 | 6.7 | 1.000< |
| STD DEV | | | | | 346 | 47 | 98 | 0.75 | 0.3 | 4 L |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 11 |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **HARMONY CREEK**
SAMPLE POINT: **AT BLOOR STREET EAST OSHAWA**
STATION TYPE: **RIVER FLOW GAUGE MOE 02HD107**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **FAREWELL CREEK**

STATION ID: **06-0112-001-02**
STORET CODE: **02**
**004**
**3650**

LAT: LONG: U T M: **17 0674300.0 4861075.0 4** REGION: **03** DISTANCE: **1.931**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 11 1120 | | | .3 | 1 | 22015 | 6 9 | 61000C | 1680000 | 940 | 3000 | 1.5 | 11 8 | 2.4 | 1.010 |
| 80 02 15 1200 | | | .3 | 1 | 22074 | | 3700 | 7500 | 200I | 100< | | | 0 6 | 0.015 |
| 80 03 14 1310 | | | .3 | 1 | 21081 | 4 | 2200 | 13000 | 100I | 20I | 0.0 | 10.0 | 1.2 | 0.063 |
| 80 04 22 1430 | | | .3 | 1 | 21147 | 6 | 160I | 2200 | 10I | 40I | 12.8 | 12.4 | 0.2 | 0.030 |
| 80 05 20 1200 | | | .3 | 1 | 21219 | 6 | 1000 | 9400 | 76 | 56 | 19.0 | 11.1 | 0.8 | 0.021 |
| 80 06 23 1440 | | | .3 | 1 | 21281 | 6 | 2200C | 31000 | 176 | 148 | 22.2 | 10.0 | 0.2 | 0.025 |
| 80 07 07 1205 | | | .3 | 1 | 21347 | 6 | 3200C | 32000 | 420 | 140 | 18.5 | 10.4 | 1.4 | 0.027 |
| 80 08 12 1120 | | | .3 | 1 | 21409 | 6 | 86000C | 660000 | 2620 | 3000> | 21.0 | 10.2 | 1.8 | 0.170 |
| 80 09 22 1200 | | | .3 | 1 | 21471 | 6 | 51000 | 180000 | 1900 | 350I | 21.0 | 11.9 | 0.8 | 0.021 |
| 80 10 07 1745 | | | .3 | 1 | 21535 | 6 | 4200 | 20000 | 550 | 240 | 11.2 | 10.5 | 0.8 | 0.026 |
| 80 11 17 1230 | | | .3 | 1 | 21597 | 6 | 13900 | 7000 | 2700 | 210 | 0.0 | 13.5 | 0.4 | 0.035 |
| 80 12 08 1155 | | | 3 | 1 | 21660 | 6 | 38000 | 160000 | 5100 | 1500> | 1.5 | 7.2 | 3.8 | 0.280 |
| MAXIMUM | | | | | | | 86000 | 1680000 | 5100 | 3000> | 22.2 | 13.5 | 3.8 | 1.010 |
| ARITH MEAN | | | | | | | 22213 | 233508 | 1233 | 7348 | 11.7 | 10.8 | 1.2 | 0.144 |
| GEOM MEAN | | | | | | | 6476 | 37957 | 430 | 2308 | 6.6 | 10.7 | 0.8 | 0.052 |
| MINIMUM | | | | | | | 160 | 2200 | 10 | 20< | 0.0 | 7.2 | 0.2 | 0.015 |
| STD DEV | | | | | | | 29386 | 492160 | 1566 | 11318 | 9.3 | 1.6 | 1.0 | 0.284 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 11 | 11 | 12 | 12 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 11 1120 | | | .3 | 1 | 0.062 | 0.026 | 2.450 | 0.035 | 0.310 | 0.371 | 2 424 | 2 795 | 1199.0 | 929.0 |
| 80 02 15 1200 | | | .3 | 1 | 0.001 | 0.382 | 0.650 | 0.040 | 1.760 | 2.182 | 0 268 | 2.450 | 1524.0 | 5 0 |
| 80 03 14 1310 | | | .3 | 1 | 0.006 | 0.350 | 0.980 | 0.040 | 1.760 | 2.150 | 0 630 | 2.780 | 2078.0 | 27.0 |
| 80 04 22 1430 | | | .3 | 1 | 0.006 | 0.050 | 0.500 | 0.013 | 1.590 | 1.653 | 0 450 | 2.103 | 641.0 | 5 0 |
| 80 05 20 1200 | | | .3 | 1 | 0.001 | 0.010 | 0.670 | 0.018 | 0.662 | 0.690 | 0 660 | 1.350 | 584.0 | 5 0 |
| 80 06 23 1440 | | | .3 | 1 | 0.005 | 0.050 | 0.590 | 0.016 | 0.930 | 0.996 | 0 540 | 1 536 | 463.0 | 6.0 |
| 80 07 07 1205 | | | .3 | 1 | 0.001 | 0.036 | 0.60 | 0.016 | 0.514 | 0.566 | 0 564 | 1.130 | 517 | 6 |
| 80 08 12 1120 | | | .3 | 1 | 0.024 | 0.022 | 0.50 | 0.024 | 0.421 | 0.467 | 0 478 | 0 945 | 394 | 121 |
| 80 09 22 1200 | | | .3 | 1 | 0.004 | 0.040 | 1.72 | 0.020 | 0.630 | 0.690 | 1 680 | 2 370 | 623 | 5 |
| 80 10 07 1745 | | | .3 | 1 | 0.007 | 0.024 | 0.51 | 0.014 | 0.361 | 0.399 | 0.486 | 0 885 | 527 | 5 |
| 80 11 17 1230 | | | .3 | 1 | 0.007 | 0.062 | 0.510 | 0.014 | 1 690 | 1.766 | 0.448 | 2.214 | 609 0 | 20.0 |
| 80 12 08 1155 | | | .3 | 1 | 0.033 | 0.134 | 1.300 | 0.032 | 1.170 | 1.336 | 1 166 | 2.502 | 640.0 | 284.0 |
| MAXIMUM | | | | | 0.062 | 0.382 | 2.450 | 0.040 | 1.760 | 2.182 | 2.424 | 2.795 | 2078.0 | 929.0 |
| ARITH MEAN | | | | | 0.013 | 0.099 | 0.91 | 0.023 | 0.983 | 1.105 | 0.816 | 1.922 | 816 | 118 |
| GEOM MEAN | | | | | 0.006 | 0.053 | 0.78 | 0.022 | 0.819 | 0.914 | 0.666 | 1.783 | 712 | 18 |
| MINIMUM | | | | | 0.001 | 0.010 | 0.500 | 0.013 | 0.310 | 0.371 | 0.268 | 0.885 | 394 | 5.0 |
| STD DEV | | | | | 0.018 | 0.129 | 0.61 | 0.010 | 0.581 | 0.683 | 0.636 | 0.711 | 514 | 268 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 11 1120 | | | .3 | 1 | 480.0 | 180.00 | 108.000 | 7.75 | 7.9 |
| 80 02 15 1200 | | | .3 | 1 | 2500.0 | 3.40 | 613.000 | 7.67 | |
| 80 03 14 1310 | | | .3 | 1 | 3550.0 | 14.00 | 950.000 | 7.79 | 7.5 |
| 80 04 22 1430 | | | .3 | 1 | 940.0 | 32.00 | 112.000 | 8.14 | 7.8 |
| 80 05 20 1200 | | | .3 | 1 | 850.0 | 2.30 | 98.000 | 8.12 | 8.0 |
| 80 06 23 1440 | | | .3 | 1 | 950.0 | 4.10 | 120.000 | 8.12 | 8.0 |
| 80 07 07 1205 | | | .3 | 1 | 1000 | 3.8 | 0.153 | 8.07 | 8.1 |
| 80 08 12 1120 | | | .3 | 1 | 420 | 12.0 | 46 5 | 7.73 | 7.7 |
| 80 09 22 1200 | | | .3 | 1 | 960 | 2.9 | 145 | 8.05 | 8.4 |
| 80 10 07 1745 | | | .3 | 1 | 880 | 3.5 | 106.5 | 7.96 | 7.9 |
| 80 11 17 1230 | | | .3 | 1 | 960.0 | 8.90 | 95.000 | 8.01 | 8.2 |
| 80 12 08 1155 | | | .3 | 1 | 650.0 | 60.00 | 89.000 | 7.90 | 6.9 |
| MAXIMUM | | | | | 3550.0 | 180.00 | 950.000 | 8.14 | 8.4 |
| ARITH MEAN | | | | | 1178 | 27.2 | 206 | 7.94 | 7.9 |
| GEOM MEAN | | | | | 972 | 9.6 | 80 | 7.94 | 7.8 |
| MINIMUM | | | | | 420 | 2.30 | 0.153 | 7.67 | 6.9 |
| STD DEV | | | | | 911 | 51.0 | 280 | 0.17 | 0.4 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 11 |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **FAREWELL CREEK**
SAMPLE POINT: **AT WENTWORTH STREET OSHAWA**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **FAREWELL CREEK**

STATION ID: **08-0112-003-02**
STORET CODE: **02**
**604**
**3050**

LAT: LONG: U T M: **17 0675000.0 4860750.0 4** REGION: **03** DISTANCE: **1.000**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 11 1135 | | | .3 | 1 | 22016 | 4 | 40000C | 540000 | 1000 | 12000 | 1.0 | 12.2 | 2.8 | 1.020 |
| 80 02 14 1045 | | | .3 | 1 | 22075 | 4 | 1300 | 2600 | 100< | 400I | 0.0 | 10.8 | 0.6 | 0.021 |
| 80 03 14 1315 | | | .3 | 1 | 21082 | 2 | | | | | 0.0 | | | |
| 80 04 22 1230 | | | .3 | 1 | 21148 | 6 | 80I | 620 | 10< | 30I | 18.5 | 11.6 | 0.2 | 0.032 |
| 80 05 20 1215 | | | .3 | 1 | 21220 | 6 | 1110C | 5400 | 68 | 56 | 18.5 | 10.9 | 1.0 | 0.020 |
| 80 06 23 1450 | | | .3 | 1 | 21282 | 6 | 1560C | 11000 | 196 | 236 | 22.2 | 11.0 | 0.6 | 0.038 |
| 80 07 07 1230 | | | .3 | 1 | 21348 | 6 | 2400C | 28000 | 280 | 130 | 18.5 | 11.6 | 1.4 | 0.050 |
| 80 08 12 1200 | | | .3 | 1 | 21410 | | | | | | | | 1.2 | 0.120 |
| 80 09 22 1215 | | | .3 | 1 | 21472 | 6 | 23000 | 80000 | 580 | 300 | 20.0 | 11.6 | 0.5 | 0.016 |
| 80 10 07 1730 | | | .3 | 1 | 21534 | 6 | 1000 | 11000 | 180I | 120I | 10.8 | 10.1 | 0.6 | 0.014 |
| 80 11 18 1205 | | | .3 | 1 | 21598 | 6 | 5100 | 4300 | 540 | 140 | 0.0 | 13.6 | 0.4 | 0.028 |
| 80 12 08 1205 | | | .3 | 1 | 21663 | 6 | 48000 | 94000 | 3500 | 3200 | 1.8 | 7.4 | 3.2 | 0.340 |
| MAXIMUM | | | | | | | 48000 | 540000 | 3500 | 12000 | 22.2 | 13.6 | 3.2 | 1.020 |
| ARITH MEAN | | | | | | | 12356 | 77692 | 646L | 1661 | 10.1 | 11.1 | 1.1 | 0.154 |
| GEOM MEAN | | | | | | | 3164 | 14831 | 244L | 288 | 5.1 | 11.0 | 0.8 | 0.051 |
| MINIMUM | | | | | | | 80 | 620 | 10< | 30 | 0.0 | 7.4 | 0.2 | 0.014 |
| STD DEV | | | | | | | 18068 | 165850 | 1048L | 3757 | 9.6 | 1.6 | 1.0 | 0.302 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 11 | 10 | 11 | 11 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 11 1135 | | | .3 | 1 | 0.064 | 0.052 | 2.450 | 0.036 | 0.324 | 0.412 | 2.398 | 2.810 | 1004.0 | 699.0 |
| 80 02 14 1045 | | | .3 | 1 | 0.002 | 0.254 | 0.370 | 0.019 | 1.680 | 1.953 | 0.116 | 2.069 | 671.0 | 12.0 |
| 80 04 22 1230 | | | .3 | 1 | 0.006 | 0.040 | 0.560 | 0.010 | 1.240 | 1.290 | 0.520 | 1.810 | 517.0 | 15.0 |
| 80 05 20 1215 | | | .3 | 1 | 0.001 | 0.008 | 0.620 | 0.015 | 0.485 | 0.508 | 0.612 | 1.120 | 482.0 | 7.0 |
| 80 06 23 1450 | | | .3 | 1 | 0.005 | 0.030 | 0.250 | 0.012 | 0.568 | 0.610 | 0.220 | 0.830 | 451.0 | 12.0 |
| 80 07 07 1230 | | | .3 | 1 | 0.001 | 0.040 | 0.67 | 0.010 | 0.380 | 0.430 | 0.630 | 1.060 | 549 | 6 |
| 80 08 12 1200 | | | .3 | 1 | 0.017 | 0.022 | 0.50 | 0.016 | 0.364 | 0.402 | 0.478 | 0.880 | 349 | 69 |
| 80 09 22 1215 | | | .3 | 1 | 0.005 | 0.040 | 0.86 | 0.010 | 0.580 | 0.630 | 0.820 | 1.450 | 381 | 6 |
| 80 10 07 1730 | | | .3 | 1 | 0.001 | 0.020 | 0.44 | 0.006 | 0.319 | 0.345 | 0.420 | 0.765 | 364 | 8 |
| 80 11 18 1205 | | | .3 | 1 | 0.007 | 0.032 | 0.460 | 0.007 | 1.290 | 1.329 | 0.428 | 1.757 | 469.0 | 14.0 |
| 80 12 08 1205 | | | .3 | 1 | 0.034 | 0.144 | 1.400 | 0.032 | 1.220 | 1.396 | 1.256 | 2.652 | 669.0 | 271.0 |
| MAXIMUM | | | | | 0.064 | 0.254 | 2.450 | 0.036 | 1.680 | 1.953 | 2.398 | 2.810 | 1004.0 | 699.0 |
| ARITH MEAN | | | | | 0.013 | 0.062 | 0.78 | 0.016 | 0.768 | 0.846 | 0.718 | 1.564 | 536 | 101 |
| GEOM MEAN | | | | | 0.006 | 0.040 | 0.63 | 0.013 | 0.641 | 0.708 | 0.638 | 1.420 | 511 | 22 |
| MINIMUM | | | | | 0.001 | 0.008 | 0.250 | 0.006 | 0.319 | 0.345 | 0.116 | 0.765 | 349 | 6 |
| STD DEV | | | | | 0.020 | 0.073 | 0.83 | 0.010 | 0.490 | 0.546 | 0.634 | 0.721 | 189 | 213 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH | ASUT | HGUT | ALUT | CRUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR |
| 80 01 11 1135 | | | .3 | 1 | | 570.0 | 140.00 | 130.000 | 7.71 | 7.9 | | | | |
| 80 02 14 1045 | | | .3 | 1 | | 1400.0 | 4.30 | 183.000 | 7.75 | 7.6 | | | | |
| 80 04 22 1230 | | | .3 | 1 | 502.0 | 750.0 | 4.00 | 68.000 | 8.22 | 8.4 | | | | |
| 80 05 20 1215 | | | .3 | 1 | 475.0 | 700.0 | 2.40 | 65.000 | 8.28 | 8.2 | | | | |
| 80 06 23 1450 | | | .3 | 1 | | 650.0 | 6.00 | 52.000 | 8.27 | 8.2 | | | | |
| 80 07 07 1230 | | | .3 | 1 | 543 | 750 | 5.3 | 90.5 | 8.22 | 8.4 | 0.001< | 0.03 | 0.15 | 0.02 < |
| 80 08 12 1200 | | | .3 | 1 | | 430 | 57 | 29.5 | 8.10 | | | | | |
| 80 09 22 1215 | | | .3 | 1 | | 640 | 3.6 | 64 | 8.29 | 8.2 | | | | |
| 80 10 07 1730 | | | .3 | 1 | 356 | 600 | 4.5 | 36.0 | 8.11 | 8.2 | 0.001< | 0.040 | 0.062 | 0.002< |
| 80 11 18 1205 | | | .3 | 1 | 455.0 | 780.0 | 5.30 | 52.000 | 8.15 | 8.3 | | | | |
| 80 12 08 1205 | | | .3 | 1 | 398.0 | 650.0 | 80.00 | 91.000 | 7.95 | 7.0 | | | | |
| MAXIMUM | | | | | 543 | 1400.0 | 140.00 | 183.000 | 8.29 | 8.4 | 0.001 | 0.040 | 0.15 | 0.02 |
| ARITH MEAN | | | | | 464 | 720 | 28 | 78 | 8.10 | 8.0 | 0.001L | 0.03 | 0.10 | 0.01 L |
| GEOM MEAN | | | | | 450 | 690 | 9 | 68 | 8.09 | 8.0 | 0.001L | 0.03 | 0.09 | 0.00 L |
| MINIMUM | | | | | 356 | 430 | 2.40 | 29.5 | 7.71 | 7.0 | 0.001< | 0.03 | 0.062 | 0.002< |
| STD DEV | | | | | 68 | 246 | 45 | 44 | 0.21 | 0.4 | 0.000L | 0.00 | 0.06 | 0.01 L |
| NO OF SAMPLES | | | | | 6 | 11 | 11 | 11 | 11 | 10 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 07 07 1230 | | | .3 | 1 | 0.01 | 0.03 < | 0.005 < | 0.01 < | 0.02 < | 0.02 < | 0.01 < |
| 80 10 07 1730 | | | .3 | 1 | 0.002 | 0.003< | 0.0002< | 0.014 | 0.003 | 0.002< | 0.010< |
| MAXIMUM | | | | | 0.01 | 0.03 | 0.005 | 0.014 | 0.02 | 0.02 | 0.010 |
| ARITH MEAN | | | | | 0.00 | 0.01 L | 0.002 L | 0.01 L | 0.01 L | 0.01 L | 0.01 L |
| GEOM MEAN | | | | | 0.00 | 0.00 L | 0.001 L | 0.01 L | 0.00 L | 0.00 L | 0.01 L |
| MINIMUM | | | | | 0.002 | 0.003< | 0.0002< | 0.01 < | 0.003< | 0.002< | 0.01 < |
| STD DEV | | | | | 0.00 | 0.01 L | 0.003 L | 0.00 L | 0.01 L | 0.01 L | 0.00 L |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

B.O.W./ SITE: **BOWMANVILLE CREEK**
SAMPLE POINT: **WEST BEACH ROAD, BOWMANVILLE**
STATION TYPE: **RIVER FLOW GAUGE FED 02HD006**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **BOWMANVILLE CREEK**

STATION ID: **06-0116-001-02**
STORET CODE: **02**
**004**
**3540**

LAT: LONG: U T M: **17 0686650.0 4862500.0 4** REGION: **03** DISTANCE: **1.287**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 11 1050 | | | .3 | 1 | 22014 | 4 | 7.000 | 58000 | 180000 | 1800 | 7600 | 1.0 | 12.1 | 1.8 |
| 80 02 15 1420 | | | .3 | 1 | 22096 | 4 | 0.618 | 2200 | 12000 | 100I | 100< | 0.0 | 10.2 | 0.8 |
| 80 03 14 1255 | | | .3 | 1 | 21080 | 4 | 0.542 | 800I | 6000 | 100 | 290 | 0.0 | 11.3 | 0.6 |
| 80 04 22 1530 | | | .3 | 1 | 21150 | 6 | 1.210 | 460 | 2000 | 20 | 52 | 12.0 | 12.8 | 0.4 |
| 80 05 20 1300 | | | .3 | 1 | 21222 | 6 9 | 1.050 | 360 | 2860 | 44 | 12 | 17.5 | 11.4 | 6.2 |
| 80 06 23 1520 | | | .3 | 1 | 21284 | 6 | 0.796 | 1020C | 11200 | 156 | 196 | 20.8 | 10.3 | 0.6 |
| 80 07 07 1315 | | | .3 | 1 | 21350 | 6 | 0.687 | 1400C | 29000 | 160 | 70I | 16.0 | 11.2 | 1.2 |
| 80 08 12 1215 | | | .3 | 1 | 21412 | 6 | 0.860 | 2500 | 5700 | 190 | 860 | 20.5 | 13.4 | 0.6 |
| 80 09 22 1250 | | | .3 | 1 | 21474 | 6 | 0.869 | 2600 | 17000 | 250 | 180 | 17.5 | 12.2 | 0.4 |
| 80 10 07 1820 | | | .3 | 1 | 21537 | 6 | 0.984 | 520 | 5600 | 100 | 80I | 9.8 | 10.2 | 0.6 |
| 80 11 17 1315 | | | .3 | 1 | 21600 | 6 | 1.010 | 620 | 1920 | 110 | 10< | 0.0 | 13.8 | 0.2 |
| 80 12 08 1255 | | | .3 | 1 | 21662 | 4 | 3.070 | 2500 | 22000 | 200 | 1020 | 0.5 | 7.9 | 0.4 |
| **MAXIMUM** | | | | | | | **7.000** | **58000** | **180000** | **1800** | **7600** | **20.8** | **13.8** | **6.2** |
| **ARITH MEAN** | | | | | | | **1.558** | **6082** | **24607** | **269** | **872L** | **9.6** | **11.4** | **1.1** |
| **GEOM MEAN** | | | | | | | **1.116** | **1497** | **9517** | **136** | **158L** | **4.7** | **11.3** | **0.7** |
| **MINIMUM** | | | | | | | **0.542** | **360** | **1920** | **20** | **10<** | **0.0** | **7.9** | **0.2** |
| **STD DEV** | | | | | | | **1.837** | **16373** | **49866** | **487** | **2144L** | **8.8** | **1.6** | **1.6** |
| **NO OF SAMPLES** | | | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 11 1050 | | | .3 | 1 | 0.250 | 0.042 | 0.022 | 1.030 | 0.020 | 0.625 | 0.667 | 1.008 | 1.675 | 454.0 |
| 80 02 15 1420 | | | .3 | 1 | 0.020 | 0.005 | 0.022 | 0.170 | 0.006 | 0.739 | 0.767 | 0.148 | 0.915 | 245.0 |
| 80 03 14 1255 | | | .3 | 1 | 0.035 | 0.005 | 0.054 | 0.310 | 0.009 | 0.851 | 0.914 | 0.256 | 1.170 | 336.0 |
| 80 04 22 1530 | | | .3 | 1 | 0.038 | 0.009 | 0.042 | 0.400 | 0.007 | 0.853 | 0.902 | 0.358 | 1.260 | 327.0 |
| 80 05 20 1300 | | | .3 | 1 | 0.020 | 0.003 | 0.010 | 1.250 | 0.008 | 0.357 | 0.375 | 1.240 | 1.615 | 288.0 |
| 80 06 23 1520 | | | .3 | 1 | 0.042 | 0.006 | 0.028 | 0.380 | 0.009 | 0.456 | 0.493 | 0.352 | 0.845 | 282.0 |
| 80 07 07 1315 | | | .3 | 1 | 0.025 | 0.003 | 0.016 | 0.28 | 0.007 | 0.310 | 0.333 | 0.264 | 0.597 | 273 |
| 80 08 12 1215 | | | .3 | 1 | 0.021 | 0.005 | 0.020 | 0.21 | 0.007 | 0.193 | 0.220 | 0.190 | 0.410 | 259 |
| 80 09 22 1250 | | | .3 | 1 | 0.008 | 0.002 | 0.024 | 0.21 | 0.004 | 0.316 | 0.344 | 0.186 | 0.530 | 261 |
| 80 10 07 1820 | | | .3 | 1 | 0.012 | 0.002 | 0.020 | 0.26 | 0.004 | 0.346 | 0.370 | 0.240 | 0.610 | 254 |
| 80 11 17 1315 | | | .3 | 1 | 0.021 | 0.003 | 0.010 | 0.230 | 0.003 | 0.847 | 0.860 | 0.220 | 1.080 | 321.0 |
| 80 12 08 1255 | | | .3 | 1 | 0.043 | 0.013 | 0.096 | 0.300 | 0.009 | 1.240 | 1.345 | 0.204 | 1.549 | 369.0 |
| **MAXIMUM** | | | | | **0.250** | **0.042** | **0.096** | **1.250** | **0.020** | **1.240** | **1.345** | **1.240** | **1.675** | **454.0** |
| **ARITH MEAN** | | | | | **0.045** | **0.008** | **0.030** | **0.41** | **0.008** | **0.594** | **0.632** | **0.389** | **1.021** | **306** |
| **GEOM MEAN** | | | | | **0.028** | **0.005** | **0.024** | **0.33** | **0.007** | **0.518** | **0.564** | **0.303** | **0.928** | **300** |
| **MINIMUM** | | | | | **0.008** | **0.002** | **0.010** | **0.170** | **0.003** | **0.193** | **0.220** | **0.148** | **0.410** | **245.0** |
| **STD DEV** | | | | | **0.066** | **0.011** | **0.024** | **0.34** | **0.004** | **0.315** | **0.334** | **0.353** | **0.442** | **60** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | RSP | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 11 1050 | | | .3 | 1 | 144.0 | 530.0 | 56.00 | 80.000 | 7.48 | 7.6 |
| 80 02 15 1420 | | | .3 | 1 | 8.0 | 416.0 | 4.60 | 9.250 | 8.05 | 7.6 |
| 80 03 14 1255 | | | .3 | 1 | 15.0 | 550.0 | 6.20 | 59.000 | 8.23 | 7.8 |
| 80 04 22 1530 | | | .3 | 1 | 8.0 | 470.0 | 11.00 | 14.500 | 8.31 | 7.7 |
| 80 05 20 1300 | | | .3 | 1 | 8.0 | 430.0 | 4.50 | 13.000 | 8.40 | 8.2 |
| 80 06 23 1520 | | | .3 | 1 | 15.0 | 410.0 | 16.00 | 9.300 | 8.42 | 8.4 |
| 80 07 07 1315 | | | .3 | 1 | 10 | 405 | 9.4 | 9.30 | 8.47 | 8.5 |
| 80 08 12 1215 | | | .3 | 1 | 12 | 380 | 7.9 | 9.20 | 8.56 | 8.5 |
| 80 09 22 1250 | | | .3 | 1 | 4 | 395 | 5.3 | 8.00 | 8.36 | 8.4 |
| 80 10 07 1820 | | | .3 | 1 | 8 | 420 | 4.3 | 12.0 | 8.08 | 8.4 |
| 80 11 17 1315 | | | .3 | 1 | 7.0 | 510.0 | 4.00 | 14.000 | 8.33 | 8.4 |
| 80 12 08 1255 | | | .3 | 1 | 37.0 | 540.0 | 17.00 | 22.000 | 8.23 | 7.0 |
| **MAXIMUM** | | | | | **144.0** | **550.0** | **56.00** | **80.000** | **8.56** | **8.5** |
| **ARITH MEAN** | | | | | **23** | **464** | **12.1** | **21.8** | **8.24** | **8.0** |
| **GEOM MEAN** | | | | | **12** | **460** | **8.6** | **16.5** | **8.24** | **8.0** |
| **MINIMUM** | | | | | **4** | **380** | **4.00** | **8.00** | **7.48** | **7.0** |
| **STD DEV** | | | | | **39** | **62** | **14.6** | **23.1** | **0.28** | **0.5** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **12** | **12** |

B.O.W./ SITE: **SOPER BROOK**
SAMPLE POINT: **WEST BEACH ROAD BOWMANVILLE**
STATION TYPE: **RIVER FLOW GAUGE FED 02HD007**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **BOWMANVILLE CREEK**

STATION ID: **08-0116-002-02**
STORET CODE: **02**
**004**
**3540**

LAT: LONG: U T M: **17 0686850.0 4862650.0 4** REGION: **03** DISTANCE: **0.966**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 11 1020 | | | .3 | 1 | 22013 | 6 | 1.920 | 1090000 | 1800000 | 89000 | 21000 | 2.1 | 10.9 | 4.6 |
| 80 02 15 1400 | | | .3 | 1 | 22095 | 6 | 0.347 | 510000 | 800000 | 55000 | 16000 | 0.0 | 9.8 | 4.8 |
| 80 03 14 1240 | | | .3 | 1 | 21079 | | 0.299 | 58000 | 90000 | 10000 | 1000< | 0.0 | 10.1 | 2.4 |
| 80 04 22 1515 | | | .3 | 1 | 21149 | 6 | 1.010 | 76000 | 80000 | 12000 | 2900 | 10.2 | 10.8 | 1.0 |
| 80 05 20 1240 | | | .3 | 1 | 21221 | 6 9 | 0.686 | 17000 | 47000 | 1600 | 100I | 15.2 | 12.2 | 1.8 |
| 80 06 23 1510 | | | .3 | 1 | 21283 | 6 | 0.469 | 80000I | 120000 | 4000 | 160I | 20.5 | 9.7 | 2.0 |
| 80 07 07 1300 | | | .3 | 1 | 21349 | 6 | 0.405 | 61000 | 140000 | 110 | 70I | 17.0 | 10.4 | 5.2 |
| 80 08 12 1200 | | | .3 | 1 | 21411 | 6 | 0.537 | 83000C | 320000 | 1500 | 610 | 19.6 | 9.3 | 3.0 |
| 80 09 22 1240 | | | .3 | 1 | 21473 | 6 | 0.406 | 580000 | 1300000 | 3800 | 360 | 17.5 | 10.6 | 5.4 |
| 80 10 07 1810 | | | .3 | 1 | 21536 | 6 | 0.502 | 4400 | 14000 | 180 | 3000> | 10.0 | 9.8 | 2.8 |
| 80 11 17 1300 | | | .3 | 1 | 21599 | 6 | 0.620 | 45000 | 33000 | 13000 | 780 | 0.0 | 13.6 | 1.8 |
| 80 12 08 1240 | | | .3 | 1 | 21661 | 6 | 2.440 | 117000 | 78000 | 46000 | 12000 | 1.8 | 9.4 | 3.1 |
| MAXIMUM | | | | | | | 2.440 | 1090000 | 1800000 | 89000 | 21000> | 20.5 | 13.6 | 5.4 |
| ARITH MEAN | | | | | | | 0.803 | 226783 | 401833 | 19882 | 48328 | 9.5 | 10.6 | 3.2 |
| GEOM MEAN | | | | | | | 0.636 | 88367 | 149306 | 5016 | 11728 | 6.5 | 10.5 | 2.8 |
| MINIMUM | | | | | | | 0.299 | 4400 | 14000 | 110 | 70< | 0.0 | 9.3 | 1.0 |
| STD DEV | | | | | | | 0.679 | 331606 | 587200 | 28383 | 72648 | 8.3 | 1.2 | 1.5 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 11 1020 | | | .3 | 1 | 0.810 | 0.190 | 1.150 | 3.550 | 0.180 | 2.270 | 3.600 | 2.400 | 6.000 | 723.0 |
| 80 02 15 1400 | | | .3 | 1 | 0.273 | 0.150 | 2.550 | 3.260 | 0.040 | 2.110 | 4.700 | 0.710 | 5.410 | 346.0 |
| 80 03 14 1240 | | | .3 | 1 | 0.121 | 0.054 | 2.500 | 3.200 | 0.032 | 1.720 | 4.252 | 0.700 | 4.952 | 394.0 |
| 80 04 22 1515 | | | .3 | 1 | 0.263 | 0.180 | 0.940 | 1.700 | 0.039 | 1.960 | 2.939 | 0.760 | 3.699 | 386.0 |
| 80 05 20 1240 | | | .3 | 1 | 0.255 | 0.240 | 0.680 | 1.320 | 0.087 | 1.770 | 2.537 | 0.640 | 3.177 | 439.0 |
| 80 06 23 1510 | | | .3 | 1 | 0.316 | 0.190 | 1.230 | 1.860 | 0.058 | 0.890 | 2.178 | 0.630 | 2.808 | 346.0 |
| 80 07 07 1300 | | | .3 | 1 | 0.119 | 0.041 | 1.18 | 1.74 | 0.150 | 1.35 | 2.680 | 0.560 | 3.240 | 373 |
| 80 08 12 1200 | | | .3 | 1 | 0.172 | 0.108 | 1.48 | 2.07 | 0.073 | 0.807 | 2.360 | 0.590 | 2.950 | 306 |
| 80 09 22 1240 | | | .3 | 1 | 0.185 | 0.125 | 0.050 | 3.40 | 0.056 | 0.814 | 0.920 | 3.350 | 4.270 | 277 |
| 80 10 07 1810 | | | .3 | 1 | 0.295 | 0.260 | 0.040 | 2.92 | 0.570 | 0.105 | 0.715 | 2.880 | 3.595 | 307 |
| 80 11 17 1300 | | | .3 | 1 | 0.157 | 0.100 | 0.540 | 1.070 | 0.068 | 2.430 | 3.038 | 0.530 | 3.568 | 375.0 |
| 80 12 08 1240 | | | .3 | 1 | 0.213 | 0.093 | 0.400 | 1.250 | 0.046 | 2.650 | 3.096 | 0.850 | 3.946 | 425.0 |
| MAXIMUM | | | | | 0.810 | 0.260 | 2.550 | 3.550 | 0.570 | 2.650 | 4.700 | 3.350 | 6.000 | 723.0 |
| ARITH MEAN | | | | | 0.265 | 0.144 | 1.08 | 2.27 | 0.117 | 1.57 | 2.751 | 1.217 | 3.968 | 391 |
| GEOM MEAN | | | | | 0.229 | 0.127 | 0.63 | 2.10 | 0.078 | 1.25 | 2.446 | 0.948 | 3.880 | 379 |
| MINIMUM | | | | | 0.119 | 0.041 | 0.040 | 1.070 | 0.032 | 0.105 | 0.715 | 0.530 | 2.808 | 277 |
| STD DEV | | | | | 0.184 | 0.070 | 0.82 | 0.92 | 0.150 | 0.78 | 1.189 | 1.025 | 1.008 | 116 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSP | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 11 1020 | | | .3 | 1 | 159.0 | 1020.0 | 66.00 | 210.000 | 7.34 | 7.4 |
| 80 02 15 1400 | | | .3 | 1 | 13.0 | 570.0 | 4.00 | 33.000 | 7.64 | 7.2 |
| 80 03 14 1240 | | | .3 | 1 | 13.0 | 550.0 | 11.00 | 33.000 | 8.90 | 7.4 |
| 80 04 22 1515 | | | .3 | 1 | 14.0 | 590.0 | 20.00 | 34.000 | 8.14 | 7.5 |
| 80 05 20 1240 | | | .3 | 1 | 3.0 | 550.0 | 2.20 | 31.500 | 8.27 | 8.2 |
| 80 06 23 1510 | | | .3 | 1 | 11.0 | 500.0 | 7.00 | 21.500 | 8.00 | 8.0 |
| 80 07 07 1300 | | | .3 | 1 | 32 | 500 | 21 | 25.0 | 8.02 | 8.1 |
| 80 08 12 1200 | | | .3 | 1 | 18 | 460 | 12 | 18.0 | 7.98 | 7.9 |
| 80 09 22 1240 | | | .3 | 1 | 9 | 520 | 1.5 | 21.5 | 7.57 | 8.3 |
| 80 10 07 1810 | | | .3 | 1 | 6 | 520 | 2.5 | 19.0 | 8.08 | 8.2 |
| 80 11 17 1300 | | | .3 | 1 | 7.0 | 580.0 | 3.10 | 24.500 | 8.14 | 8.3 |
| 80 12 08 1240 | | | .3 | 1 | 57.0 | 610.0 | 15.00 | 36.000 | 8.05 | 6.6 |
| MAXIMUM | | | | | 159.0 | 1020.0 | 66.00 | 210.000 | 8.90 | 8.3 |
| ARITH MEAN | | | | | 28 | 580 | 13 | 42.2 | 8.01 | 7.8 |
| GEOM MEAN | | | | | 16 | 568 | 7 | 31.2 | 8.00 | 7.7 |
| MINIMUM | | | | | 3.0 | 460 | 1.5 | 18.0 | 7.34 | 6.6 |
| STD DEV | | | | | 43 | 144 | 17 | 53.2 | 0.39 | 0.5 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 |

B.O.W./ SITE: **SOPER BROOK**
SAMPLE POINT: **HIGHWAY 2, BOWMANVILLE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **BOWMANVILLE CREEK**

STATION ID: **06-0116-003-02**

STORET CODE: **02**
**004**
**3540**

LAT: LONG: U T M: **17 0687250.0 4865850.0 4** REGION: **03** DISTANCE: **5.100**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 11 1005 | | | .3 | 1 | 22012 | 4 | 124C | 8100 | 330 | 1500> | 2.0 | 11.8 | 0.4 | 0.092 |
| 80 03 13 1450 | | | .3 | 1 | 21074 | 4 | 130 | 3800 | 20< | 860 | 0.0 | 9.8 | 0.8 | 0.043 |
| 80 04 23 1310 | | | .3 | 1 | 21161 | 6 | 60I | 920 | 10< | 20< | 17.2 | 11.7 | 0.2 | 0.040 |
| 80 05 20 1400 | | | .3 | 1 | 21223 | 6 | 690C | 3900 | 96 | 92 | 17.2 | 11.7 | 3.0 | 0.021 |
| 80 06 23 1600 | | | .3 | 1 | 21285 | 6 | 1200C | 8400 | 332 | 192 | 21.0 | 10.4 | 0.4 | 0.022 |
| 80 07 07 1335 | | | .3 | 1 | 21351 | 6 | 1300 | 6000 | 320 | 350 | 16.2 | 11.5 | 1.0 | 0.024 |
| 80 08 12 1330 | | | .3 | 1 | 21413 | 6 | 3800 | 11100 | 750 | 1060 | 19.5 | 12.3 | 0.6 | 0.031 |
| 80 09 22 1410 | | | .3 | 1 | 21475 | 6 | 720C | 8800 | 440 | 370 | 17.5 | 12.0 | 0.2 | 0.014 |
| 80 10 07 1845 | | | .3 | 1 | 21538 | 6 | 4200 | 7600 | 990 | 1500> | 9.9 | 9.2 | 0.4 | 0.024 |
| 80 11 17 1400 | | | .3 | 1 | 21601 | 6 | 260 | 2100 | 28 | 12 | 0.0 | 13.8 | 0.2< | 0.017 |
| 80 12 08 1330 | | | .3 | 1 | 21664 | 6 | 6200C | 24000 | 340 | 600> | 0.8 | 7.4 | 0.4 | 0.070 |
| MAXIMUM | | | | | | | 6200 | 24000 | 990 | 1500> | 21.0 | 13.8 | 3.0 | 0.092 |
| ARITH MEAN | | | | | | | 1699 | 7702 | 332L | 5868 | 11.0 | 11.1 | 0.7L | 0.038 |
| GEOM MEAN | | | | | | | 698 | 5706 | 163L | 2758 | 8.2 | 10.9 | 0.6L | 0.031 |
| MINIMUM | | | | | | | 60 | 920 | 10< | 12< | 0.0 | 7.4 | 0.2< | 0.014 |
| STD DEV | | | | | | | 2074 | 6237 | 311L | 5898 | 8.6 | 1.7 | 0.8L | 0.024 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 11 1005 | | | .3 | 1 | 0.027 | 0.092 | 0.600 | 0.012 | 1.890 | 1.994 | 0.508 | 2.502 | 317.0 | 28.0 |
| 80 03 13 1450 | | | .3 | 1 | 0.022 | 0.194 | 0.580 | 0.024 | 2.080 | 2.298 | 0.386 | 2.684 | 296.0 | 8.0 |
| 80 04 23 1310 | | | .3 | 1 | 0.012 | 0.052 | 0.440 | 0.009 | 1.990 | 2.051 | 0.388 | 2.439 | 332.0 | 19.0 |
| 80 05 20 1400 | | | .3 | 1 | 0.003 | 0.004 | 0.340 | | 0.835 | | 0.336 | | 300.0 | 11.0 |
| 80 06 23 1600 | | | .3 | 1 | 0.006 | 0.046 | 0.340 | 0.011 | 0.909 | 0.966 | 0.294 | 1.260 | 286.0 | 6.0 |
| 80 07 07 1335 | | | .3 | 1 | 0.003 | 0.030 | 0.30 | 0.009 | 1.00 | 1.039 | 0.270 | 1.309 | 297 | 8 |
| 80 08 12 1330 | | | .3 | 1 | 0.009 | 0.032 | 0.27 | 0.007 | 0.863 | 0.902 | 0.238 | 1.140 | 290 | 17 |
| 80 09 22 1410 | | | .3 | 1 | 0.005 | 0.026 | 0.26 | 0.005 | 1.05 | 1.081 | 0.234 | 1.315 | 258 | 5 |
| 80 10 07 1845 | | | .3 | 1 | 0.008 | 0.008 | 0.25 | 0.003 | 0.817 | 0.828 | 0.242 | 1.070 | 284 | 16 |
| 80 11 17 1400 | | | .3 | 1 | 0.008 | 0.028 | 0.330 | 0.005 | 2.300 | 2.333 | 0.302 | 2.635 | 389.0 | 7.0 |
| 80 12 08 1330 | | | .3 | 1 | 0.012 | 0.040 | 0.380 | 0.008 | 2.340 | 2.388 | 0.340 | 2.728 | 385.0 | 55.0 |
| MAXIMUM | | | | | 0.027 | 0.194 | 0.600 | 0.024 | 2.340 | 2.388 | 0.508 | 2.728 | 389.0 | 55.0 |
| ARITH MEAN | | | | | 0.010 | 0.050 | 0.37 | 0.009 | 1.48 | 1.588 | 0.322 | 1.908 | 312 | 16 |
| GEOM MEAN | | | | | 0.008 | 0.032 | 0.36 | 0.008 | 1.33 | 1.466 | 0.313 | 1.776 | 300 | 12 |
| MINIMUM | | | | | 0.003 | 0.004 | 0.25 | 0.003 | 0.817 | 0.828 | 0.234 | 1.070 | 258 | 5 |
| STD DEV | | | | | 0.008 | 0.053 | 0.12 | 0.006 | 0.64 | 0.673 | 0.083 | 0.736 | 41 | 14 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 11 |

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 11 1005 | | | .3 | 1 | 289.0 | 455.0 | 12.000 | 7.92 | 7.5 |
| 80 03 13 1450 | | | .3 | 1 | 288.0 | 465.0 | 15.000 | 7.98 | 7.4 |
| 80 04 23 1310 | | | .3 | 1 | 323.0 | 500.0 | 11.500 | 8.11 | 8.3 |
| 80 05 20 1400 | | | .3 | 1 | 289.0 | 445.0 | 9.150 | 8.35 | 8.3 |
| 80 06 23 1600 | | | .3 | 1 | 280.000 | 430.0 | 7.600 | 8.42 | 8.4 |
| 80 07 07 1335 | | | .3 | 1 | 289 | 445 | 8.00 | 8.43 | 8.5 |
| 80 08 12 1330 | | | .3 | 1 | 273 | 420 | 7.05 | 8.43 | 8.4 |
| 80 09 22 1410 | | | .3 | 1 | 253 | 440 | 6.85 | 8.40 | 8.2 |
| 80 10 07 1845 | | | .3 | 1 | 276 | 455 | 7.85 | 8.26 | 8.3 |
| 80 11 17 1400 | | | .3 | 1 | 382.0 | 540.0 | 13.500 | 8.31 | 8.3 |
| 80 12 08 1330 | | | .3 | 1 | 330.0 | 530.0 | 14.500 | 8.18 | 7.0 |
| MAXIMUM | | | | | 382.0 | 540.0 | 15.000 | 8.43 | 8.5 |
| ARITH MEAN | | | | | 297 | 466 | 10.27 | 8.25 | 8.1 |
| GEOM MEAN | | | | | 295 | 464 | 9.86 | 8.25 | 8.0 |
| MINIMUM | | | | | 253 | 420 | 6.85 | 7.92 | 7.0 |
| STD DEV | | | | | 35 | 39 | 3.10 | 0.18 | 0.6 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 |

B.O.W./ SITE: **ORONO CREEK**
SAMPLE POINT: AT CONCESSION ROAD SOUTHWEST OF ORONO
STATION TYPE: RIVER

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ONTARIO
TERM STREAM: WILMOT CREEK

STATION ID: **06-0117-002-02**
STORET CODE: 02
004
3400

LAT: LONG: U T M: 17 0691000.0 4869675.0 4 REGION: 03 DISTANCE: 8.047

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 11 0905 | | | .3 | 1 | 22010 | 6 | 240 | 800 | 88 | 32 | 1.2 | 10.9 | 0.015 | 0.018 |
| 80 03 13 1345 | | | .3 | 1 | 21072 | 4 | 780C | 2800 | 140 | 68 | 0.0 | 10.9 | 0.020 | 0.072 |
| 80 04 23 1400 | | | .3 | 1 | 21162 | 6 | 60I | 480 | 24 | 8 | 10.8 | 10.2 | 0.038 | 0.038 |
| 80 05 20 1440 | | | .3 | 1 | 21224 | 6 | 880C | 3500 | 184 | 116 | 16.0 | 10.6 | 0.013 | 0.006 |
| 80 06 23 1635 | | | .3 | 1 | 21286 | 6 | 600C | 7000 | 28 | 92 | 18.5 | 10.7 | 0.010 | 0.014 |
| 80 07 07 1425 | | | .3 | 1 | 21352 | 6 | 720C | 8200 | 36 | 168 | 15.0 | 11.5 | 0.016 | 0.032 |
| 80 08 12 1345 | | | .3 | 1 | 21414 | 6 | 3300 | 9600 | 120 | 330 | 17.2 | 12.7 | 0.017 | 0.016 |
| 80 09 22 1445 | | | .3 | 1 | 21476 | 6 | 1000 | 9000 | 40I | 100 | 16.2 | 12.8 | 0.012 | 0.014 |
| 80 10 07 1920 | | | .3 | 1 | 21539 | 6 | 460 | 4800 | 20I | 60I | 8.5 | 9.0 | 0.018 | 0.012 |
| 80 11 17 1440 | | | .3 | 1 | 21602 | 6 | 3300 | 3100 | 580 | 10< | 0.0 | 12.8 | 0.007 | 0.008 |
| 80 12 08 1410 | | | .3 | 1 | 21666 | 6 | 5300C | 25000 | 310 | 630 | 3.0 | 7.4 | 0.053 | 0.034 |
| MAXIMUM | | | | | | | 5300 | 25000 | 580 | 630 | 18.5 | 12.8 | 0.053 | 0.072 |
| ARITH MEAN | | | | | | | 1513 | 6753 | 143 | 147L | 9.7 | 10.9 | 0.020 | 0.024 |
| GEOM MEAN | | | | | | | 820 | 4188 | 81 | 74L | 6.1 | 10.7 | 0.017 | 0.019 |
| MINIMUM | | | | | | | 60 | 480 | 20 | 8< | 0.0 | 7.4 | 0.007 | 0.006 |
| STD DEV | | | | | | | 1680 | 6829 | 170 | 184L | 7.4 | 1.7 | 0.014 | 0.019 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | COND25 | PH | FWPH |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | PH | PH FIELD |
| 80 01 11 0905 | | | .3 | 1 | 710.0 | 8.01 | 7.7 |
| 80 03 13 1345 | | | .3 | 1 | 840.0 | 8.08 | 7.6 |
| 80 04 23 1400 | | | .3 | 1 | 670.0 | 8.12 | 8.0 |
| 80 05 20 1440 | | | .3 | 1 | 650.0 | 8.19 | 8.0 |
| 80 06 23 1635 | | | .3 | 1 | 650.0 | 8.17 | 8.2 |
| 80 07 07 1425 | | | .3 | 1 | 700 | 8.17 | 8.2 |
| 80 08 12 1345 | | | .3 | 1 | 600 | 8.28 | 8.2 |
| 80 09 22 1445 | | | .3 | 1 | 660 | 8.20 | 8.5 |
| 80 10 07 1920 | | | .3 | 1 | 650 | 8.04 | 7.9 |
| 80 11 17 1440 | | | .3 | 1 | 720.0 | 8.19 | 8.3 |
| 80 12 08 1410 | | | .3 | 1 | 680.0 | 8.13 | 7.2 |
| MAXIMUM | | | | | 840.0 | 8.28 | 8.5 |
| ARITH MEAN | | | | | 684 | 8.14 | 8.0 |
| GEOM MEAN | | | | | 682 | 8.14 | 8.0 |
| MINIMUM | | | | | 600 | 8.01 | 7.2 |
| STD DEV | | | | | 61 | 0.08 | 0.4 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 |

B.O.W./ SITE: **WILMOT CREEK**
SAMPLE POINT: AT HIGHWAY 2, 2 MILES WEST OF NEWCASTLE
STATION TYPE: RIVER FLOW GAUGE FED 02HD000

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ONTARIO
TERM STREAM: WILMOT CREEK

STATION ID: **06-0117-003-02**
STORET CODE: 02
004
3400

LAT: LONG: U T M: 17 0691999.0 4864750.0 4 REGION: 03 DISTANCE: 1.127

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 11 0950 | | | .3 | 1 | 22011 | 4 | 5.640 | 790C | 19600 | 84 | 64 | 1.5 | 11.8 | 0.2 |
| 80 03 13 1430 | | | .3 | 1 | 21073 | 4 | 0.319 | 960 | 1540 | 20 | 104 | 0.0 | 10.8 | 0.6 |
| 80 04 23 1335 | | | .3 | 1 | 21163 | 6 | 1.170 | 4< | 4 | 4 | 4 | 10.3 | 10.3 | 0.2 |
| 80 05 20 1420 | | | .3 | 1 | 21225 | 6 | 0.854 | 490C | 20000 | 52 | 568 | 17.0 | 11.2 | 0.8 |
| 80 06 23 1615 | | | .3 | 1 | 21287 | 6 | 0.541 | 360 | 2600 | 44 | 80I | 20.5 | 10.3 | 0.4 |
| 80 07 07 1400 | | | .3 | 1 | 21353 | 6 | 0.407 | 420 | 1600 | 28 | 64 | 14.9 | 11.3 | 1.0 |
| 80 08 12 1410 | | | .3 | 1 | 21415 | 6 | 0.737 | 40I | 1140 | 10< | 130 | 19.6 | 11.8 | 0.6 |
| 80 09 22 1425 | | | .3 | 1 | 21477 | 6 | 0.538 | 360 | 3400 | 90I | 30I | 19.0 | 12.4 | 0.1 |
| 80 10 07 1900 | | | .3 | 1 | 21540 | 6 | 0.735 | 440C | 8600 | 50I | 80I | 9.5 | 9.5 | 0.4 |
| 80 11 17 1425 | | | .3 | 1 | 21603 | 6 | 0.814 | 120I | 940 | 10I | 30I | 0.0 | 13.5 | 0.2< |
| 80 12 08 1350 | | | .3 | 1 | 21665 | 6 | 2.660 | 11200C | 60000 | 160 | 310 | 2.0 | 7.5 | 0.2< |
| MAXIMUM | | | | | | | 5.640 | 11200 | 60000 | 160 | 568 | 20.5 | 13.5 | 1.0 |
| ARITH MEAN | | | | | | | 1.310 | 1380L | 10867 | 50L | 133 | 10.4 | 10.9 | 0.4L |
| GEOM MEAN | | | | | | | 0.882 | 302L | 2448 | 32L | 71 | 6.2 | 10.8 | 0.3L |
| MINIMUM | | | | | | | 0.319 | 4< | 4 | 4< | 4 | 0.0 | 7.5 | 0.1< |
| STD DEV | | | | | | | 1.571 | 3270L | 17852 | 46L | 166 | 8.3 | 1.6 | 0.3L |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 11 0950 | | | .3 | 1 | 0.058 | 0.007 | 0.026 | 0.280 | 0.009 | 1.640 | 1.675 | 0.254 | 1.929 | 378.0 |
| 80 03 13 1430 | | | .3 | 1 | 0.073 | 0.009 | 0.078 | 0.620 | 0.012 | 2.230 | 2.320 | 0.542 | 2.862 | 401.0 |
| 80 04 23 1335 | | | .3 | 1 | 0.014 | 0.004 | 0.032 | 0.280 | 0.005 | 1.490 | 1.527 | 0.248 | 1.775 | 328.0 |
| 80 05 20 1420 | | | .3 | 1 | 0.013 | 0.003 | 0.010 | 0.280 | 0.010 | 1.140 | 1.160 | 0.270 | 1.430 | 323.0 |
| 80 06 23 1615 | | | .3 | 1 | 0.011 | 0.001 | 0.020 | 0.240 | 0.010 | 0.124 | 0.154 | 0.220 | 0.374 | 291.0 |
| 80 07 07 1400 | | | .3 | 1 | 0.012 | 0.001 | 0.016 | 0.31 | 0.009 | 1.24 | 1.265 | 0.294 | 1.559 | 307 |
| 80 08 12 1410 | | | .3 | 1 | 0.012 | 0.001 | 0.008 | 0.20 | 0.006 | 1.14 | 1.154 | 0.192 | 1.346 | 290 |
| 80 09 22 1425 | | | .3 | 1 | 0.005 | 0.001 | 0.010 | 0.20 | 0.004 | 1.30 | 1.314 | 0.190 | 1.504 | 258 |
| 80 10 07 1900 | | | .3 | 1 | 0.015 | 0.006 | 0.008 | 0.17 | 0.003 | 0.957 | 0.968 | 0.162 | 1.130 | 289 |
| 80 11 17 1425 | | | .3 | 1 | 0.003 | 0.003 | 0.014 | 0.130 | 0.002 | 1.450 | 1.466 | 0.116 | 1.582 | 327.0 |
| 80 12 08 1350 | | | .3 | 1 | 0.072 | 0.011 | 0.040 | 0.500 | 0.006 | 1.640 | 1.686 | 0.460 | 2.146 | 366.0 |
| MAXIMUM | | | | | 0.073 | 0.011 | 0.078 | 0.620 | 0.012 | 2.230 | 2.320 | 0.542 | 2.862 | 401.0 |
| ARITH MEAN | | | | | 0.027 | 0.004 | 0.024 | 0.29 | 0.007 | 1.30 | 1.336 | 0.266 | 1.603 | 323 |
| GEOM MEAN | | | | | 0.017 | 0.003 | 0.018 | 0.26 | 0.006 | 1.11 | 1.166 | 0.246 | 1.468 | 320 |
| MINIMUM | | | | | 0.003 | 0.001 | 0.008 | 0.130 | 0.002 | 0.124 | 0.154 | 0.116 | 0.374 | 258 |
| STD DEV | | | | | 0.027 | 0.004 | 0.021 | 0.14 | 0.003 | 0.62 | 0.636 | 0.127 | 0.621 | 43 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

(CONTD)

B.O.W./ SITE: **WILMOT CREEK**
SAMPLE POINT: **AT HIGHWAY 2, 2 MILES WEST OF NEWCASTLE**
STATION TYPE: **RIVER FLOW GAUGE FED 02HD009**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **WILMOT CREEK**

STATION ID: **06-0117-003-02**
STORET CODE: **02**
**004**
**3480**

LAT: LONG: U T M: **17 0691999.0 4864750.0 4** REGION: **03** DISTANCE: **1.127**

| | | | | TEST-NAME: | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH | ASUT | HGUT | ALUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL |
| 80 01 11 0950 | | | .3 | 1 | 32.0 | | 600.0 | 17.00 | 58.000 | 7.96 | 7.5 | | | |
| 80 03 13 1430 | | | .3 | 1 | 42.0 | | 580.0 | 15.00 | 42.000 | 8.03 | 7.7 | | | |
| 80 04 23 1335 | | | .3 | 1 | 3.0 | | 495.0 | 2.40 | 19.000 | 8.24 | 8.2 | | | |
| 80 05 20 1420 | | | .3 | 1 | 5.0 | | 470.0 | 1.70 | 17.500 | 8.24 | 8.3 | 0.001< | | 0.110 |
| 80 06 23 1615 | | | .3 | 1 | 2.0 | | 445.0 | 1.60 | 18.000 | | 8.4 | | | |
| 80 07 07 1400 | | | .3 | 1 | 2 | | 465 | 1.7 | 19.0 | 8.46 | 8.5 | 0.001< | 0.03 < | 0.02 < |
| 80 08 12 1410 | | | .3 | 1 | 4 | | 440 | 4.5 | 18.0 | 8.46 | 8.4 | | | |
| 80 09 22 1425 | | | .3 | 1 | 4 | | 455 | 1.5 | 18.5 | 8.24 | 8.7 | | | |
| 80 10 07 1900 | | | .3 | 1 | 8 | | 470 | 3.4 | 18.5 | 8.24 | 8.2 | 0.001< | 0.060 | 0.078 |
| 80 11 17 1425 | | | .3 | 1 | 4.0 | 323.0 | 510.0 | 1.60 | 19.000 | 8.29 | 8.5 | | | |
| 80 12 08 1350 | | | .3 | 1 | 44.0 | 322.0 | 520.0 | 15.00 | 19.500 | 8.24 | 7.3 | | | |
| MAXIMUM | | | | | 44.0 | 323.0 | 600.0 | 17.00 | 58.000 | 8.46 | 8.7 | 0.001 | 0.060 | 0.110 |
| ARITH MEAN | | | | | 13 | 322.5 | 496 | 6.9 | 24.2 | 8.24 | 8.2 | 0.001L | 0.04 L | 0.06 L |
| GEOM MEAN | | | | | 6 | 322.5 | 493 | 3.6 | 22.1 | 8.24 | 8.1 | 0.001L | 0.04 L | 0.05 L |
| MINIMUM | | | | | 2.0 | 322.0 | 440 | 1.5 | 17.500 | 7.96 | 7.3 | 0.001< | 0.03 < | 0.02 < |
| STD DEV | | | | | 16 | 0.7 | 63 | 6.3 | 13.2 | 0.16 | 0.5 | 0.000L | 0.02 L | 0.04 L |
| NO OF SAMPLES | | | | | 11 | 2 | 11 | 11 | 11 | 10 | 11 | 3 | 2 | 3 |

| | | | | TEST-NAME: | CHUT | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 05 20 1420 | | | .3 | 1 | 0.020< | 0.080 | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020< | |
| 80 07 07 1400 | | | .3 | 1 | 0.02 < | 0.01 < | 0.03 < | 0.005 < | 0.01 < | 0.02 < | 0.02 < | 0.01 < |
| 80 10 07 1900 | | | .3 | 1 | 0.004 | 0.001< | 0.003< | 0.0002< | 0.001 | 0.002 | 0.002< | 0.010< |
| MAXIMUM | | | | | 0.02 | 0.080 | 0.03 | 0.005 | 0.01 | 0.02 | 0.02 | 0.010 |
| ARITH MEAN | | | | | 0.01 L | 0.03 L | 0.02 L | 0.003 L | 0.00 L | 0.01 L | 0.01 L | 0.01 L |
| GEOM MEAN | | | | | 0.01 L | 0.00 L | 0.01 L | 0.001 L | 0.00 L | 0.00 L | 0.00 L | 0.01 L |
| MINIMUM | | | | | 0.004< | 0.001< | 0.003< | 0.0002< | 0.001< | 0.002< | 0.002< | 0.01 < |
| STD DEV | | | | | 0.00 L | 0.04 L | 0.01 L | 0.002 L | 0.00 L | 0.01 L | 0.01 L | 0.00 L |
| NO OF SAMPLES | | | | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 |

B.O.W./ SITE: **GRAHAM CREEK**
SAMPLE POINT: **1ST.BR.UPSTR.FROM L.ONTARIO,NEWCASTLE**
STATION TYPE: **RIVER FLOW GAUGE MOE 02HD105**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **GRAHAM CREEK**

STATION ID: **06-0118-001-02**
STORET CODE: **02**
**004**
**3480**

LAT: LONG: U T M: **17 0694075.0 4864050.0 4** REGION: **03** DISTANCE: **1.127**

| | | | | TEST-NAME: | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 11 0845 | | | .3 | 1 | 22009 | 4 | 740 | 2800 | 8 | 8 | 1.0 | 12.6 | 0.2 | 0.018 |
| 80 02 15 1340 | | | .3 | 1 | 22094 | 4 | 100I | 800 | 10I | 10< | 0.0 | 10.0 | 0.4 | 0.012 |
| 80 03 13 1330 | | | .3 | 1 | 21071 | 4 | 2700C | 4100 | 64 | 260 | 0.0 | 9.8 | 3.8 | 0.055 |
| 80 04 22 1550 | | | .3 | 1 | 21151 | 6 | 130 | 110 | 10< | 10< | 12.2 | 12.9 | 0.2 | 0.026 |
| 80 05 20 1505 | | | .3 | 1 | 21226 | 6 | 440C | 3500 | 40 | 28 | 19.2 | 9.9 | 1.4 | 0.023 |
| 80 06 23 1700 | | | .3 | 1 | 21288 | 6 | 280 | 5400 | 104 | 52 | 23.4 | 10.6 | 0.4 | 0.019 |
| 80 07 07 1445 | | | .3 | 1 | 21354 | 6 | 620C | 10800 | 184 | 104 | 18.0 | 9.8 | 1.2 | 0.033 |
| 80 08 12 1435 | | | .3 | 1 | 21416 | 6 | 320 | 5320 | 120 | 200 | 22.8 | 12.3 | 0.6 | 0.013 |
| 80 09 22 1510 | | | .3 | 1 | 21478 | 6 | 1400C | 33000 | 110 | 50I | 20.0 | 11.9 | 0.3 | 0.005 |
| 80 10 07 1935 | | | .3 | 1 | 21541 | 6 | 1000 | 23000 | 180 | 30I | 11.0 | 9.4 | 0.2 | 0.015 |
| 80 11 18 1030 | | | .3 | 1 | 21604 | 6 | 500 | 1520 | 10I | 20I | 0.0 | 12.4 | 0.4 | 0.013 |
| 80 12 08 1438 | | | .3 | 1 | 21667 | 4 | 2900 | 24000 | 110 | 250 | 0.8 | 7.6 | 0.2 | 0.050 |
| MAXIMUM | | | | | | | 2900 | 33000 | 184 | 260 | 23.4 | 12.9 | 3.8 | 0.055 |
| ARITH MEAN | | | | | | | 927 | 9529 | 79L | 85L | 10.7 | 10.8 | 0.8 | 0.023 |
| GEOM MEAN | | | | | | | 574 | 4203 | 47L | 44L | 5.2 | 10.6 | 0.5 | 0.019 |
| MINIMUM | | | | | | | 100 | 110 | 8< | 8< | 0.0 | 7.6 | 0.2 | 0.005 |
| STD DEV | | | | | | | 950 | 10947 | 65L | 96L | 9.8 | 1.6 | 1.0 | 0.015 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| | | | | TEST-NAME: | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 11 0845 | | | .3 | 1 | 0.002 | 0.052 | 0.320 | 0.009 | 1.040 | 1.101 | 0.268 | 1.369 | 322.0 | 6.0 |
| 80 02 15 1340 | | | .3 | 1 | 0.004 | 0.096 | 0.340 | 0.011 | 1.290 | 1.397 | 0.244 | 1.641 | 284.0 | 3.0 |
| 80 03 13 1330 | | | .3 | 1 | 0.007 | 0.266 | 0.850 | 0.022 | 1.730 | 2.018 | 0.584 | 2.602 | 329.0 | 15.0 |
| 80 04 22 1550 | | | .3 | 1 | 0.007 | 0.032 | 0.470 | 0.006 | 0.509 | 0.547 | 0.438 | 0.985 | 282.0 | 6.0 |
| 80 05 20 1505 | | | .3 | 1 | 0.002 | 0.010 | 0.550 | 0.056 | 0.124 | 0.190 | 0.540 | 0.730 | 275.0 | 5.0 |
| 80 06 23 1700 | | | .3 | 1 | 0.001 | 0.020 | 0.390 | 0.006 | 0.224 | 0.250 | 0.370 | 0.620 | 264.0 | 4.0 |
| 80 07 07 1445 | | | .3 | 1 | 0.008 | 0.014 | 0.60 | 0.005 | 0.050 | 0.069 | 0.586 | 0.655 | 290 | 23 |
| 80 08 12 1435 | | | .3 | 1 | 0.001 | 0.018 | 0.35 | 0.004 | 0.121 | 0.143 | 0.332 | 0.475 | 259 | 5 |
| 80 09 22 1510 | | | .3 | 1 | 0.001 | 0.032 | 0.40 | 0.000 | 0.389 | 0.427 | 0.368 | 0.795 | 270 | 3 |
| 80 10 07 1935 | | | .3 | 1 | 0.001< | 0.014 | 0.32 | 0.002 | 0.133 | 0.149 | 0.306 | 0.455 | 246 | 5 |
| 80 11 18 1030 | | | .3 | 1 | 0.002 | 0.008 | 0.410 | 0.002 | 0.458 | 0.468 | 0.402 | 0.870 | 338.0 | 6.0 |
| 80 12 08 1438 | | | .3 | 1 | 0.011 | 0.034 | 0.400 | 0.006 | 0.879 | 0.919 | 0.366 | 1.285 | 340.0 | 36.0 |
| MAXIMUM | | | | | 0.011 | 0.266 | 0.850 | 0.056 | 1.730 | 2.018 | 0.586 | 2.602 | 340.0 | 36.0 |
| ARITH MEAN | | | | | 0.004L | 0.050 | 0.45 | 0.011 | 0.579 | 0.640 | 0.400 | 1.040 | 291 | 9 |
| GEOM MEAN | | | | | 0.003L | 0.028 | 0.43 | 0.007 | 0.356 | 0.409 | 0.386 | 0.911 | 290 | 6 |
| MINIMUM | | | | | 0.001< | 0.008 | 0.320 | 0.002 | 0.050 | 0.069 | 0.244 | 0.455 | 246 | 3.0 |
| STD DEV | | | | | 0.003L | 0.072 | 0.16 | 0.015 | 0.540 | 0.604 | 0.116 | 0.614 | 32 | 10 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

(CONTD)

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | PH | FWPH | ASUT | HGUT | ALUT | CRUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'TY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU |
| 80 01 11 0845 | | | .3 | 1 | 510.0 | 4.80 | 14.500 | 7.98 | 7.8 | | | | | |
| 80 02 15 1340 | | | .3 | 1 | 480.0 | 3.00 | 8.250 | 7.76 | 7.2 | | | | | |
| 80 03 13 1330 | | | .3 | 1 | 480.0 | 9.10 | 24.500 | 7.74 | 7.2 | | | | | |
| 80 04 22 1550 | | | .3 | 1 | 425.0 | 3.70 | 11.000 | 8.26 | 7.6 | | | | | |
| 80 05 20 1505 | | | .3 | 1 | 415.0 | 2.80 | 11.000 | 8.36 | 8.3 | | | | | |
| 80 06 23 1700 | | | .3 | 1 | 400.0 | 2.90 | 8.500 | | 8.4 | | | | | |
| 80 07 07 1445 | | | .3 | 1 | 410 | 2.5 | 10.0 | 8.39 | 8.2 | 0.001< | 0.03 | 1.1 | 0.02 < | 0.01 |
| 80 08 12 1435 | | | .3 | 1 | 390 | 3.3 | 8.30 | 8.47 | 8.4 | | | | | |
| 80 09 22 1510 | | | .3 | 1 | 410 | 4.6 | 8.85 | 8.38 | 8.7 | | | | | |
| 80 10 07 1935 | | | .3 | 1 | 410 | 3.5 | 9.50 | 8.32 | 8.3 | 0.002 | 0.040< | 1.200 | 0.004 | 0.004 |
| 80 11 18 1030 | | | .3 | 1 | 485.0 | 2.70 | 14.000 | 8.46 | 8.4 | | | | | |
| 80 12 08 1438 | | | .3 | 1 | 500.0 | 15.00 | 20.000 | 8.83 | 7.1 | | | | | |
| MAXIMUM | | | | | 510.0 | 15.00 | 24.500 | 8.83 | 8.7 | 0.002 | 0.040 | 1.200 | 0.02 | 0.01 |
| ARITH MEAN | | | | | 442 | 4.8 | 12.3 | 8.27 | 8.0 | 0.001L | 0.03 L | 1.1 | 0.01 L | 0.00 |
| GEOM MEAN | | | | | 441 | 4.0 | 11.6 | 8.26 | 7.9 | 0.001L | 0.03 L | 1.1 | 0.00 L | 0.00 |
| MINIMUM | | | | | 390 | 2.5 | 8.250 | 7.74 | 7.1 | 0.001< | 0.03 < | 1.1 | 0.004< | 0.004 |
| STD DEV | | | | | 44 | 3.6 | 5.1 | 0.32 | 0.6 | 0.001L | 0.00 L | 0.0 | 0.01 L | 0.00 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 11 | 12 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | PBUT | CDUT | ZNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 07 07 1445 | | | .3 | 1 | 0.03 < | 0.005 < | 0.01 < | 0.02 < | 0.02 < | 0.01 < |
| 80 10 07 1935 | | | .3 | 1 | 0.003< | 0.0002< | 0.021 | 0.004 | 0.002< | 0.010< |
| MAXIMUM | | | | | 0.03 | 0.005 | 0.021 | 0.02 | 0.02 | 0.010 |
| ARITH MEAN | | | | | 0.01 L | 0.002 L | 0.01 L | 0.01 L | 0.01 L | 0.01 L |
| GEOM MEAN | | | | | 0.00 L | 0.001 L | 0.01 L | 0.00 L | 0.00 L | 0.01 L |
| MINIMUM | | | | | 0.003< | 0.0002< | 0.01 < | 0.004< | 0.002< | 0.01 < |
| STD DEV | | | | | 0.01 L | 0.003 L | 0.00 L | 0.01 L | 0.01 L | 0.00 L |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 2 |

B.O.W./ SITE: **GANARASKA RIVER**
SAMPLE POINT: **PETER STREET PORT HOPE**
STATION TYPE: **RIVER FLOW GAUGE FED 02HD003**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **GANARASKA RIVER**

STATION ID: **06-0129-001-02**
STORET CODE: **02**
**004**
**3240**

LAT: LONG: U T M: **17 0717300.0 4869525.0 4** REGION: **03** DISTANCE: **0.844**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 10 1320 | | | .3 | 1 | 22008 | 4 | 300I | 100 | 60I | 30I | 0.0 | 15.3 | 1.0 | 0.019 |
| 80 02 15 1300 | | | .3 | 1 | 22093 | 6 | 320 | 1500 | 120 | 52 | 0.0 | 10.7 | 0.6 | 0.031 |
| 80 03 13 1245 | | | .3 | 1 | 21070 | 4 | 700 | 1850 | 476 | 116 | 0.0 | 10.0 | 0.6 | 0.032 |
| 80 04 22 1620 | | | .3 | 1 | 21152 | 6 | 110 | 700 | 10< | 10< | 11.5 | 12.0 | 0.2 | 0.026 |
| 80 05 20 1600 | | | .3 | 1 | 21227 | 6 | 240C | 3300 | 4 | 20 | 18.0 | 9.2 | 0.8 | 0.017 |
| 80 06 23 1745 | | | .3 | 1 | 21289 | 6 | 370 | 2600 | 84 | 36 | 20.5 | 11.1 | 0.6 | 0.015 |
| 80 07 07 1630 | | | .3 | 1 | 21355 | 6 | 980C | 11800 | 56 | 116 | 18.0 | 10.7 | 1.6 | 0.048 |
| 80 08 12 1510 | | | .3 | 1 | 21417 | 6 | 2400 | 20000 | 460 | 460 | 21.0 | 11.8 | 1.0 | 0.082 |
| 80 09 23 0730 | | | .3 | 1 | 21479 | 6 | 1900 | 14000 | 220 | 100 | 10.0 | 11.6 | 0.9 | 0.017 |
| 80 10 10 1040 | | | .3 | 1 | 21586 | 6 | 300I | 2700 | 30I | 30I | 5.5 | 8.3 | | 0.016 |
| 80 11 18 1130 | | | .3 | 1 | 21605 | 6 | 460 | 1460 | 30I | 40I | 0.0 | 12.9 | 0.2< | 0.012 |
| 80 12 09 1230 | | | .3 | 1 | 21668 | 6 | 129000 | 100000 | 460 | 740 | 2.2 | 7.5 | 0.7 | 0.102 |
| MAXIMUM | | | | | | | 129000 | 100000 | 476 | 740 | 21.0 | 15.3 | 1.6 | 0.102 |
| ARITH MEAN | | | | | | | 11423 | 13334 | 167L | 148L | 8.9 | 10.9 | 0.7L | 0.036 |
| GEOM MEAN | | | | | | | 782 | 3373 | 74L | 66L | 4.9 | 10.7 | 0.6L | 0.027 |
| MINIMUM | | | | | | | 110 | 100 | 4< | 10< | 0.0 | 7.5 | 0.2< | 0.012 |
| STD DEV | | | | | | | 37034 | 28018 | 189L | 223L | 8.7 | 2.1 | 0.4L | 0.029 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 11 | 12 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 10 1320 | | | .3 | 1 | 0.008 | 0.040 | 0.150 | 0.007 | 1.050 | 1.097 | 0.110 | 1.207 | 279.0 | 5.0 |
| 80 02 15 1300 | | | .3 | 1 | 0.014 | 0.048 | 0.150 | 0.007 | 0.990 | 1.045 | 0.102 | 1.147 | 251.0 | 11.0 |
| 80 03 13 1245 | | | .3 | 1 | 0.009 | 0.080 | 0.300 | 0.012 | 1.190 | 1.282 | 0.220 | 1.502 | 277.0 | 11.0 |
| 80 04 22 1620 | | | .3 | 1 | 0.003 | 0.036 | 0.320 | 0.006 | 0.679 | 0.721 | 0.284 | 1.005 | 280.0 | 10.0 |
| 80 05 20 1600 | | | .3 | 1 | 0.001 | 0.002 | 0.310 | 0.007 | 0.288 | 0.297 | 0.308 | 0.605 | 263.0 | 6.0 |
| 80 06 23 1745 | | | .3 | 1 | 0.001 | 0.042 | 0.250 | 0.008 | 0.307 | 0.357 | 0.208 | 0.565 | 237.0 | 3.0 |
| 80 07 07 1630 | | | .3 | 1 | 0.002 | 0.014 | 0.36 | 0.007 | 0.223 | 0.244 | 0.346 | 0.590 | 273 | 23 |
| 80 08 12 1510 | | | .3 | 1 | 0.003 | 0.014 | 0.45 | 0.007 | 0.278 | 0.299 | 0.436 | 0.735 | 316 | 75 |
| 80 09 23 0730 | | | .3 | 1 | 0.001< | 0.020 | 0.24 | 0.002 | 0.338 | 0.360 | 0.220 | 0.580 | 258 | 11 |
| 80 10 10 1040 | | | .3 | 1 | 0.004 | 0.022 | 0.21 | 0.008 | 0.437 | 0.467 | 0.188 | 0.655 | 270 | 10 |
| 80 11 18 1130 | | | .3 | 1 | 0.002 | 0.008 | 0.210 | 0.005 | 0.845 | 0.858 | 0.202 | 1.060 | 313.0 | 6.0 |
| 80 12 09 1230 | | | .3 | 1 | 0.015 | 0.040 | 0.650 | 0.009 | 1.240 | 1.289 | 0.610 | 1.899 | 355.0 | 63.0 |
| MAXIMUM | | | | | 0.015 | 0.080 | 0.650 | 0.012 | 1.240 | 1.289 | 0.610 | 1.899 | 355.0 | 75 |
| ARITH MEAN | | | | | 0.005L | 0.030 | 0.30 | 0.007 | 0.655 | 0.693 | 0.269 | 0.962 | 281 | 19 |
| GEOM MEAN | | | | | 0.003L | 0.022 | 0.27 | 0.007 | 0.547 | 0.582 | 0.239 | 0.867 | 279 | 11 |
| MINIMUM | | | | | 0.001< | 0.002 | 0.150 | 0.002 | 0.223 | 0.244 | 0.102 | 0.565 | 237.0 | 3.0 |
| STD DEV | | | | | 0.005L | 0.022 | 0.14 | 0.002 | 0.389 | 0.406 | 0.143 | 0.426 | 32 | 23 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

(CONTD)

B.O.W./ SITE: **GANARASKA RIVER**
SAMPLE POINT: **PETER STREET PORT HOPE**
STATION TYPE: **RIVER FLOW GAUGE FED 02HD003**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **GANARASKA RIVER**

STATION ID: **06-0129-001-02**
STORET CODE: **02 004 3240**

LAT: LONG: U T M: **17 0717300.0 4869525.0 4** REGION: **03** DISTANCE: **0.844**

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | PH | FWPH | ASUT | ALUT | CRUT | CUUT | PBUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB |
| 80 01 10 1320 | | | .3 | 1 | 455.0 | 3.60 | 7.600 | 8.13 | 7.8 | | | | | |
| 80 02 15 1300 | | | .3 | 1 | 410.0 | 5.00 | 6.050 | 7.95 | 7.4 | | | | | |
| 80 03 13 1245 | | | .3 | 1 | 420.0 | 8.20 | 12.000 | 8.11 | 7.6 | | | | | |
| 80 04 22 1620 | | | .3 | 1 | 415.0 | 5.50 | 8.700 | 8.35 | 8.2 | | | | | |
| 80 05 20 1600 | | | .3 | 1 | 395.0 | 3.20 | 7.550 | 8.33 | 8.3 | 0.001 | 0.120 | 0.020< | 0.090 | 0.030< |
| 80 06 23 1745 | | | .3 | 1 | 360.0 | 2.80 | 5.550 | | 8.5 | | | | | |
| 80 07 07 1630 | | | .3 | 1 | 385 | 6.1 | 7.30 | 8.57 | 8.4 | 0.001< | 0.21 | 0.02 < | 0.01 < | 0.03 < |
| 80 08 12 1510 | | | .3 | 1 | 370 | 25 | 6.65 | 8.43 | 8.4 | | | | | |
| 80 09 23 0730 | | | .3 | 1 | 380 | 4.2 | 5.60 | 8.31 | 8.0 | | | | | |
| 80 10 10 1040 | | | .3 | 1 | 400 | 3.3 | 5.75 | 8.42 | 8.5 | 0.001 | 0.200 | 0.009 | 0.009 | 0.003< |
| 80 11 18 1130 | | | .3 | 1 | 475.0 | 2.80 | 15.000 | 8.38 | 8.5 | | | | | |
| 80 12 09 1230 | | | .3 | 1 | 440.0 | 27.00 | 10.500 | 8.20 | 8.3 | | | | | |
| **MAXIMUM** | | | | | **475.0** | **27.00** | **15.000** | **8.57** | **8.5** | **0.001** | **0.21** | **0.02** | **0.090** | **0.03** |
| **ARITH MEAN** | | | | | **408** | **8** | **8.18** | **8.29** | **8.2** | **0.001L** | **0.17** | **0.01 L** | **0.03 L** | **0.02 L** |
| **GEOM MEAN** | | | | | **407** | **6** | **7.78** | **8.29** | **8.2** | **0.001L** | **0.17** | **0.01 L** | **0.02 L** | **0.01 L** |
| **MINIMUM** | | | | | **360.0** | **2.80** | **5.550** | **7.95** | **7.4** | **0.001<** | **0.120** | **0.009<** | **0.009<** | **0.003<** |
| **STD DEV** | | | | | **34** | **8** | **2.93** | **0.18** | **0.4** | **0.000L** | **0.04** | **0.00 L** | **0.04 L** | **0.01 L** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **11** | **12** | **3** | **3** | **3** | **3** | **3** |

| TEST-NAME: | | | | | CDUT | ZNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 05 20 1600 | | | .3 | 1 | 0.005 < | 0.010< | 0.020< | 0.020< | |
| 80 07 07 1630 | | | .3 | 1 | 0.005 < | 0.01 < | 0.02 < | 0.02 < | 0.01 < |
| 80 10 10 1040 | | | .3 | 1 | 0.0002< | 0.003 | 0.024 | 0.002< | 0.010< |
| **MAXIMUM** | | | | | **0.005** | **0.01** | **0.024** | **0.02** | **0.010** |
| **ARITH MEAN** | | | | | **0.003 L** | **0.00 L** | **0.02 L** | **0.01 L** | **0.01 L** |
| **GEOM MEAN** | | | | | **0.001 L** | **0.00 L** | **0.02 L** | **0.00 L** | **0.01 L** |
| **MINIMUM** | | | | | **0.0002<** | **0.003<** | **0.020<** | **0.002<** | **0.01 <** |
| **STD DEV** | | | | | **0.002 L** | **0.00 L** | **0.00 L** | **0.01 L** | **0.00 L** |
| **NO OF SAMPLES** | | | | | **3** | **3** | **3** | **3** | **2** |

B.O.W./ SITE: **GAGE CREEK**
SAMPLE POINT: **HIGHWAY 2, 1MILE EAST OF PORT HOPE**
STATION TYPE: **RIVER FLOW GAUGE MOE 02HD104**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **GAGE CREEK**

STATION ID: **06-0130-001-02**
STORET CODE: **02 004 3230**

LAT: LONG: U T M: **17 0719350.0 4870460.0 4** REGION: **03** DISTANCE: **0.483**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 10 1300 | | | .3 | 1 | 22007 | 4 | 340 | 2000 | 20< | 20I | 1.2 | 14.9 | 0.6 | 0.027 |
| 80 02 15 1240 | | | .3 | 1 | 22092 | 4 | 220 | 2200 | 100 | 10< | 0.0 | 9.3 | 0.8 | 0.075 |
| 80 03 13 1230 | | | .3 | 1 | 21069 | 4 | 3000> | 3000> | 810 | 1500> | 0.0 | 10.1 | 2.4 | 0.085 |
| 80 04 22 1645 | | | .3 | 1 | 21153 | 6 | 10I | 50 | 10< | 10I | 13.0 | 12.7 | 0.2 | 0.024 |
| 80 05 20 1615 | | | .3 | 1 | 21228 | 6 | 490C | 5000 | 108 | 32 | 19.8 | 9.4 | 1.4 | 0.018 |
| 80 06 23 1800 | | | .3 | 1 | 21290 | 6 | 260C | 9800 | 44 | 132 | 24.0 | 9.0 | 0.6 | 0.023 |
| 80 07 07 1648 | | | .3 | 1 | 21356 | 6 | 340C | 6200 | 24 | 20 | 20.0 | 10.4 | 1.2 | 0.024 |
| 80 08 12 1530 | | | .3 | 1 | 21418 | 6 | 3800 | 19000 | 90I | 580 | 23.0 | 11.7 | 0.8 | 0.027 |
| 80 09 23 0815 | | | .3 | 1 | 21480 | 6 | 2000 | 13000 | 660 | 370 | 8.8 | 11.0 | 0.9 | 0.031 |
| 80 10 10 0940 | | | .3 | 1 | 21585 | 6 | 400I | 4600 | 120 | 50I | 4.2 | 8.6 | | 0.020 |
| 80 11 18 1150 | | | .3 | 1 | 21606 | 6 | 1060C | 8400 | 10I | 40I | 0.0 | 13.7 | 0.2< | 0.020 |
| 80 12 09 1255 | | | .3 | 1 | 21669 | 6 | 150000> | 150000 | 2400 | 2300 | 2.2 | 7.0 | 1.8 | 0.128 |
| **MAXIMUM** | | | | | | | **150000>** | **150000>** | **2400** | **2300>** | **24.0** | **14.9** | **2.4** | **0.128** |
| **ARITH MEAN** | | | | | | | **13493G** | **18804G** | **388L** | **4228** | **9.7** | **10.6** | **1.0L** | **0.042** |
| **GEOM MEAN** | | | | | | | **775G** | **5088G** | **91L** | **898** | **5.1** | **10.4** | **0.8L** | **0.033** |
| **MINIMUM** | | | | | | | **10** | **50** | **10<** | **10<** | **0.0** | **7.0** | **0.2<** | **0.018** |
| **STD DEV** | | | | | | | **43006G** | **41719G** | **693L** | **7328** | **9.7** | **2.3** | **0.7L** | **0.035** |
| **NO OF SAMPLES** | | | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **11** | **12** |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 10 1300 | | | .3 | 1 | 0.009 | 0.036 | 0.290 | 0.010 | 1.590 | 1.636 | 0.254 | 1.890 | 374.0 | 12.0 |
| 80 02 15 1240 | | | .3 | 1 | 0.025 | 0.066 | 0.250 | 0.011 | 1.440 | 1.517 | 0.184 | 1.701 | 328.0 | 24.0 |
| 80 03 13 1230 | | | .3 | 1 | 0.024 | 0.550 | 1.300 | 0.032 | 1.920 | 2.502 | 0.750 | 3.252 | 350.0 | 12.0 |
| 80 04 22 1645 | | | .3 | 1 | 0.004 | 0.032 | 0.420 | 0.007 | 0.993 | 1.032 | 0.388 | 1.420 | 337.0 | 5.0 |
| 80 05 20 1615 | | | .3 | 1 | 0.001 | 0.002 | 0.430 | 0.009 | 0.236 | 0.247 | 0.428 | 0.675 | 322.0 | 5.0 |
| 80 06 23 1800 | | | .3 | 1 | 0.002 | 0.048 | 0.380 | 0.006 | 0.079 | 0.133 | 0.332 | 0.465 | 266.0 | 6.0 |
| 80 07 07 1648 | | | .3 | 1 | 0.002 | 0.022 | 0.45 | 0.004 | 0.091 | 0.117 | 0.428 | 0.545 | 278 | 8 |
| 80 08 12 1530 | | | .3 | 1 | 0.004 | 0.016 | 0.45 | 0.006 | 0.174 | 0.196 | 0.434 | 0.630 | 302 | 9 |
| 80 09 23 0815 | | | .3 | 1 | 0.002 | 0.016 | 0.42 | 0.003 | 0.217 | 0.236 | 0.404 | 0.640 | 289 | 28 |
| 80 10 10 0940 | | | .3 | 1 | 0.009 | 0.026 | 0.26 | 0.022 | 0.228 | 0.276 | 0.234 | 0.510 | 299 | 11 |
| 80 11 18 1150 | | | .3 | 1 | 0.004 | 0.014 | 0.360 | 0.005 | 1.550 | 1.569 | 0.346 | 1.915 | 405.0 | 18.0 |
| 80 12 09 1255 | | | .3 | 1 | 0.041 | 0.068 | 0.780 | 0.012 | 2.790 | 2.870 | 0.712 | 3.582 | 414.0 | 108.0 |
| **MAXIMUM** | | | | | **0.041** | **0.550** | **1.300** | **0.032** | **2.790** | **2.870** | **0.750** | **3.582** | **414.0** | **108.0** |
| **ARITH MEAN** | | | | | **0.011** | **0.078** | **0.48** | **0.011** | **0.942** | **1.028** | **0.408** | **1.436** | **330** | **20** |
| **GEOM MEAN** | | | | | **0.006** | **0.030** | **0.43** | **0.008** | **0.506** | **0.679** | **0.377** | **1.112** | **327** | **13** |
| **MINIMUM** | | | | | **0.001** | **0.002** | **0.260** | **0.003** | **0.079** | **0.117** | **0.184** | **0.465** | **266.0** | **5.0** |
| **STD DEV** | | | | | **0.013** | **0.151** | **0.29** | **0.008** | **0.906** | **0.981** | **0.172** | **1.081** | **48** | **28** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

(CONTD)

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | PH | FWPH | ASUT | ALUT | CRUT | CUUT | PBUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB |
| 80 01 10 1300 | | | .3 | 1 | 590.0 | 7.70 | 10.400 | 8.13 | 7.7 | | | | | |
| 80 02 15 1240 | | | .3 | 1 | 520.0 | 13.00 | 8.250 | 7.60 | 7.2 | | | | | |
| 80 03 13 1230 | | | .3 | 1 | 490.0 | 10.00 | 17.000 | 8.18 | 7.4 | | | | | |
| 80 04 22 1645 | | | .3 | 1 | 520.0 | 3.80 | 13.500 | 8.36 | 8.4 | | | | | |
| 80 05 20 1615 | | | .3 | 1 | 485.0 | 4.80 | 12.500 | 8.23 | 8.0 | 0.001< | 0.110 | 0.020< | 0.060 | 0.030< |
| 80 06 23 1800 | | | .3 | 1 | 400.0 | 3.70 | 6.700 | | 8.3 | | | | | |
| 80 07 07 1648 | | | .3 | 1 | 415 | 3.9 | 7.60 | 8.46 | 8.3 | 0.001< | 0.19 | 0.02 < | 0.01 < | 0.03 < |
| 80 08 12 1530 | | | .3 | 1 | 450 | 6.1 | 13.5 | 8.39 | 8.3 | | | | | |
| 80 09 23 0815 | | | .3 | 1 | 470 | 6.8 | 8.80 | 8.18 | 8.1 | | | | | |
| 80 10 10 0940 | | | .3 | 1 | 470 | 7.0 | 6.45 | 8.37 | 8.2 | 0.001< | 0.270 | 0.003 | 0.008 | 0.003< |
| 80 11 18 1150 | | | .3 | 1 | 600.0 | 4.80 | 17.500 | 8.08 | 8.4 | | | | | |
| 80 12 09 1255 | | | .3 | 1 | 560.0 | 25.00 | 17.000 | 8.15 | 8.2 | | | | | |
| MAXIMUM | | | | | 600.0 | 25.00 | 17.500 | 8.46 | 8.4 | 0.001 | 0.270 | 0.02 | 0.060 | 0.03 |
| ARITH MEAN | | | | | 497 | 8.0 | 11.6 | 8.19 | 8.0 | 0.001L | 0.19 | 0.01 L | 0.02 L | 0.02 L |
| GEOM MEAN | | | | | 493 | 6.7 | 10.9 | 8.19 | 8.0 | 0.001L | 0.17 | 0.01 L | 0.01 L | 0.01 L |
| MINIMUM | | | | | 400.0 | 3.70 | 6.45 | 7.60 | 7.2 | 0.001< | 0.110 | 0.003< | 0.008< | 0.003< |
| STD DEV | | | | | 63 | 6.0 | 4.1 | 0.23 | 0.4 | 0.000L | 0.08 | 0.01 L | 0.02 L | 0.01 L |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 11 | 12 | 3 | 3 | 3 | 3 | 3 |

| TEST-NAME: | | | | | CDUT | ZNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 05 20 1615 | | | .3 | 1 | 0.005 < | 0.010< | 0.020< | 0.020< | |
| 80 07 07 1648 | | | .3 | 1 | 0.005 < | 0.01 < | 0.02 < | 0.02 < | 0.01 < |
| 80 10 10 0940 | | | .3 | 1 | 0.0002< | 0.001< | 0.010 | 0.002< | 0.010< |
| MAXIMUM | | | | | 0.005 | 0.01 | 0.02 | 0.02 | 0.010 |
| ARITH MEAN | | | | | 0.003 L | 0.00 L | 0.01 L | 0.01 L | 0.01 L |
| GEOM MEAN | | | | | 0.001 L | 0.00 L | 0.01 L | 0.00 L | 0.01 L |
| MINIMUM | | | | | 0.0002< | 0.001< | 0.010< | 0.002< | 0.01 < |
| STD DEV | | | | | 0.002 L | 0.00 L | 0.00 L | 0.01 L | 0.00 L |
| NO OF SAMPLES | | | | | 3 | 3 | 3 | 3 | 2 |

B.O.W./ SITE: **COBOURG BROOK**
SAMPLE POINT: **AT PARK SOUTH ON FOURTH STREET**
STATION TYPE: **RIVER FLOW GAUGE MOE 02HD103**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **COBOURG BROOK**

STATION ID: **06-0133-004-02**
STORET CODE: **02**
**004**
**3180**

LAT: LONG: U T M: **17 0726350.0 4870650.0 4** REGION: **03** DISTANCE: **0.322**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 10 1240 | | | .3 | 1 | 22006 | 6 | 27000 | 70000 | 3500 | 8100 | 3.0 | 13.1 | 1.6 | 0.113 |
| 80 02 15 1220 | | | .3 | 1 | 22091 | 6 | 45000 | 80000 | 500I | 400I | 2.0 | 10.2 | 1.6 | 0.102 |
| 80 03 13 1200 | | | .3 | 1 | 21068 | 6 | 63000 | 80000 | 3000> | 3000> | 1.0 | 10.6 | 2.2 | 0.143 |
| 80 04 23 0630 | | | .3 | 1 | 21154 | 6 | 11000 | 100000 | 700 | 40I | 7.0 | 10.0 | 0.8 | 0.075 |
| 80 05 20 1645 | | | .3 | 1 | 21229 | 6 | 14000C | 330000 | 20< | 40I | 18.8 | 11.5 | 1.8 | 0.288 |
| 80 06 23 1820 | | | .3 | 1 | 21291 | 6 | 2000I | 19000 | 40I | 10I | 21.2 | 11.0 | 1.2 | 0.225 |
| 80 08 12 1600 | | | .3 | 1 | 21419 | 6 | 10I | 29000 | 10< | 10< | 21.5 | 12.4 | 5.0 | 0.151 |
| 80 09 23 1000 | | | .3 | 1 | 21481 | 6 | 480C | 9800 | 160 | 60I | 10.0 | 9.0 | 1.0 | 0.065 |
| 80 10 10 0900 | | | .3 | 1 | 21584 | 6 | 380 | 2400 | 20I | 20I | 6.0 | 8.2 | | 0.104 |
| 80 11 18 1330 | | | .3 | 1 | 21607 | 6 | 3600 | 12300 | 190 | 40I | 4.0 | 13.3 | 1.6 | 0.110 |
| 80 12 09 1340 | | | .3 | 1 | 21670 | 6 | 85000C | 240000 | 1100 | 2000 | 3.0 | 6.8 | 0.6 | 0.122 |
| MAXIMUM | | | | | | | 85000 | 330000 | 3600> | 8100> | 21.5 | 13.3 | 5.0 | 0.288 |
| ARITH MEAN | | | | | | | 22861 | 88409 | 840B | 1247B | 8.9 | 10.6 | 1.7 | 0.136 |
| GEOM MEAN | | | | | | | 4438 | 41102 | 199B | 128B | 5.8 | 10.4 | 1.5 | 0.124 |
| MINIMUM | | | | | | | 10 | 2400 | 10< | 10< | 1.0 | 6.8 | 0.6 | 0.065 |
| STD DEV | | | | | | | 29212 | 104727 | 1245B | 2483B | 7.9 | 2.0 | 1.2 | 0.066 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 10 | 11 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NC3-N FIL.FEAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 10 1240 | | | .3 | 1 | 0.006 | 0.144 | 1.070 | 0.015 | 0.895 | 1.054 | 0.926 | 1.980 | 430.0 | 30.0 |
| 80 02 15 1220 | | | .3 | 1 | 0.021 | 0.970 | 1.930 | 0.016 | 0.945 | 1.931 | 0.960 | 2.891 | 390.0 | 18.0 |
| 80 03 13 1200 | | | .3 | 1 | 0.025 | 0.260 | 1.580 | 0.016 | 1.230 | 1.506 | 1.320 | 2.826 | 457.0 | 34.0 |
| 80 04 23 0630 | | | .3 | 1 | 0.012 | 0.162 | 0.990 | 0.009 | 0.616 | 0.787 | 0.828 | 1.615 | 366.0 | 8.0 |
| 80 05 20 1645 | | | .3 | 1 | 0.230 | 1.870 | 2.880 | 0.026 | 0.284 | 2.180 | 1.010 | 3.190 | 352.0 | 5.0 |
| 80 06 23 1820 | | | .3 | 1 | 0.076 | 2.060 | 2.900 | 0.017 | 0.263 | 2.340 | 0.840 | 3.180 | 357.0 | 38.0 |
| 80 08 12 1600 | | | .3 | 1 | 0.083 | 2.07 | 2.83 | 0.180 | 0.425 | 2.675 | 0.760 | 3.435 | 355 | 18 |
| 80 09 23 1000 | | | .3 | 1 | 0.024 | 1.12 | 1.81 | 0.038 | 0.457 | 1.615 | 0.690 | 2.305 | 319 | 12 |
| 80 10 10 0900 | | | .3 | 1 | 0.064 | 0.148 | 0.78 | 0.030 | 0.375 | 0.553 | 0.632 | 1.185 | 368 | 15 |
| 80 11 18 1330 | | | .3 | 1 | 0.009 | 0.154 | 1.150 | 0.005 | 0.740 | 0.899 | 0.996 | 1.895 | 444.0 | 54.0 |
| 80 12 09 1340 | | | .3 | 1 | 0.039 | 0.132 | 0.880 | 0.012 | 2.890 | 3.034 | 0.748 | 3.782 | 399.0 | 53.0 |
| MAXIMUM | | | | | 0.230 | 2.07 | 2.900 | 0.180 | 2.890 | 3.034 | 1.320 | 3.782 | 457.0 | 54.0 |
| ARITH MEAN | | | | | 0.054 | 0.82 | 1.70 | 0.033 | 0.829 | 1.689 | 0.883 | 2.571 | 385 | 26 |
| GEOM MEAN | | | | | 0.031 | 0.46 | 1.53 | 0.020 | 0.641 | 1.490 | 0.866 | 2.436 | 383 | 20 |
| MINIMUM | | | | | 0.006 | 0.132 | 0.78 | 0.005 | 0.263 | 0.553 | 0.632 | 1.185 | 319 | 5.0 |
| STD DEV | | | | | 0.064 | 0.83 | 0.83 | 0.050 | 0.749 | 0.817 | 0.191 | 0.827 | 43 | 17 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

B.O.W./ SITE: **COBOURG BROOK**
SAMPLE POINT: **AT PARK SOUTH ON FOURTH STREET**
STATION TYPE: **RIVER FLOW GAUGE MOE 02HD103**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **COBOURG BROOK**

STATION ID: **06-0133-004-02**
STORET CODE: **02**
**004**
**3180**

LAT: LONG: U T M: **17 0726350.0 4870650.0 4** REGION: **03** DISTANCE: **0.322**

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH | ASUT | ALUT | CRUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU |
| 80 01 10 1240 | | | .3 | 1 | | 680.0 | 13.00 | 58.000 | 8.01 | 7.8 | | | | |
| 80 02 15 1220 | | | .3 | 1 | | 640.0 | 4.60 | 63.000 | 7.79 | 7.4 | | | | |
| 80 03 13 1200 | | | .3 | 1 | 423.0 | 665.0 | | 70.000 | 7.93 | 7.3 | | | | |
| 80 04 23 0630 | | | .3 | 1 | 358.0 | 560.0 | 4.10 | 36.500 | 7.88 | 8.1 | | | | |
| 80 05 20 1645 | | | .3 | 1 | 347.0 | 550.0 | | 39.000 | 8.25 | 8.2 | 0.001< | 0.060 | 0.020< | 0.060 |
| 80 06 23 1820 | | | .3 | 1 | 319.0 | 500.0 | 5.00 | 31.500 | | 8.3 | | | | |
| 80 08 12 1600 | | | .3 | 1 | 337 | 550 | | 45.5 | 8.28 | 8.3 | | | | |
| 80 09 23 1000 | | | .3 | 1 | | 500 | 6.0 | 43.0 | 8.10 | 8.2 | | | | |
| 80 10 10 0900 | | | .3 | 1 | | 600 | 2.5 | 47.5 | 8.21 | 8.1 | 0.001< | 0.270 | 0.041 | 0.010 |
| 80 11 18 1330 | | | .3 | 1 | 390.0 | 620.0 | | 44.500 | 8.01 | 8.1 | | | | |
| 80 12 09 1340 | | | .3 | 1 | | 520.0 | 27.00 | 17.500 | 8.01 | 7.9 | | | | |
| MAXIMUM | | | | | 423.0 | 680.0 | 27.00 | 70.000 | 8.28 | 8.3 | 0.001 | 0.270 | 0.041 | 0.060 |
| ARITH MEAN | | | | | 362 | 580 | 8.8 | 45.0 | 8.05 | 8.0 | 0.001L | 0.165 | 0.030L | 0.035 |
| GEOM MEAN | | | | | 360 | 577 | 6.5 | 42.5 | 8.05 | 8.0 | 0.001L | 0.127 | 0.029L | 0.024 |
| MINIMUM | | | | | 319.0 | 500.0 | 2.5 | 17.500 | 7.79 | 7.3 | 0.001< | 0.060 | 0.020< | 0.010 |
| STD DEV | | | | | 38 | 64 | 8.6 | 14.7 | 0.16 | 0.3 | 0.000L | 0.148 | 0.015L | 0.035 |
| NO OF SAMPLES | | | | | 6 | 11 | 7 | 11 | 10 | 11 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | PBUT | CDUT | ZNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 05 20 1645 | | | .3 | 1 | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020< | |
| 80 10 10 0900 | | | .3 | 1 | 0.003< | 0.0002< | 0.012 | 0.024 | 0.002< | 0.010< |
| MAXIMUM | | | | | 0.030 | 0.005 | 0.012 | 0.024 | 0.020 | 0.010 |
| ARITH MEAN | | | | | 0.016L | 0.002 L | 0.011L | 0.022L | 0.011L | 0.010L |
| GEOM MEAN | | | | | 0.009L | 0.001 L | 0.011L | 0.022L | 0.006L | |
| MINIMUM | | | | | 0.003< | 0.0002< | 0.010< | 0.020< | 0.002< | 0.010< |
| STD DEV | | | | | 0.019L | 0.003 L | 0.001L | 0.003L | 0.013L | |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 1 |

B.O.W./ SITE: **BROOKSIDE CREEK**
SAMPLE POINT: **HIGHWAY 2 1.5 MILES EAST OF BROOKSIDE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **BROOKSIDE CREEK**

STATION ID: **06-0139-002-02**
STORET CODE: **02**
**004**
**3090**

LAT: LONG: U T M: **17 0734750.0 4873775.0 4** REGION: **03** DISTANCE: **2.736**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT MG/L AS P |
| 80 01 10 1225 | | | .3 | 1 | 22005 | 4 | 300I | 1000 | 100< | 20I | 2.0 | 13.2 | 1.0 | 0.026 |
| 80 02 15 1145 | | | .3 | 1 | 22090 | 4 | 250 | 1900 | 50I | 10I | 0.0 | 9.9 | 0.6 | 0.045 |
| 80 04 23 0715 | | | .3 | 1 | 21155 | 6 | 1150 | 1300 | 596 | 32 | 4.5 | 11.6 | 0.2 | 0.025 |
| 80 05 21 0840 | | | .3 | 1 | 21230 | 6 | 940C | 24000> | 88 | 84 | 12.2 | 11.2 | 0.4 | 0.034 |
| 80 06 24 0800 | | | .3 | 1 | 21292 | 6 | 4700 | 13700 | 1300 | 236 | 15.5 | 11.6 | 0.2 | 0.043 |
| 80 07 08 0630 | | | .3 | 1 | 21358 | 6 | 100000I | 26000000 | 170000 | 3000> | 14.5 | 9.7 | 6.6 | 0.880 |
| 80 08 13 0840 | | | .3 | 1 | 21420 | 6 | | | | | 17.0 | 12.2 | 0.2 | 0.039 |
| 80 09 24 1030 | | | .3 | 1 | 21482 | 6 | 5200 | 9000 | 1040 | 580 | 8.0 | 10.2 | 0.4 | 0.038 |
| 80 10 09 1745 | | | .3 | 1 | 21583 | 6 | 720 | 4100 | 460 | 380 | 8.0 | 9.2 | 1.0 | 0.080 |
| 80 11 18 1400 | | | .3 | 1 | 21608 | 6 | 940 | 4600 | 40I | 3000> | 3.0 | 13.2 | 0.2< | 0.016 |
| 80 12 09 0845 | | | .3 | 1 | 21671 | 6 | | | | | 1.0 | 8.3 | 0.4 | 0.074 |
| MAXIMUM | | | | | | | 100000 | 26000000> | 170000 | 3000> | 17.0 | 13.2 | 6.6 | 0.880 |
| ARITH MEAN | | | | | | | 12689 | 2895511G | 19297L | 816G | 7.8 | 10.9 | 1.0L | 0.118 |
| GEOM MEAN | | | | | | | 1723 | 11524G | 470L | 185G | 5.2 | 10.8 | 0.5L | 0.050 |
| MINIMUM | | | | | | | 250 | 1000 | 40< | 10 | 0.0 | 8.3 | 0.2< | 0.016 |
| STD DEV | | | | | | | 32794 | 8664186G | 56515L | 1253G | 6.2 | 1.6 | 1.9L | 0.253 |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 10 1225 | | | .3 | 1 | 0.013 | 0.048 | 0.240 | 0.005 | 0.995 | 1.048 | 0.192 | 1.240 | 403.0 | 7.0 |
| 80 02 15 1145 | | | .3 | 1 | 0.013 | 0.068 | 0.380 | 0.005 | 0.595 | 0.668 | 0.312 | 0.980 | 362.0 | 14.0 |
| 80 04 23 0715 | | | .3 | 1 | 0.012 | 0.076 | 0.310 | 0.005 | 0.615 | 0.696 | 0.234 | 0.930 | 370.0 | 5.0 |
| 80 05 21 0840 | | | .3 | 1 | 0.011 | 0.018 | 0.390 | 0.005 | 0.300 | 0.323 | 0.372 | 0.695 | 371.0 | 3.0 |
| 80 06 24 0800 | | | .3 | 1 | 0.010 | 0.028 | 0.360 | 0.005 | 0.120 | 0.153 | 0.332 | 0.485 | 350.0 | 10.0 |
| 80 07 08 0630 | | | .3 | 1 | 0.134 | 0.57 | 4.45 | 0.150 | 1.25 | 1.970 | 3.880 | 5.850 | 633 | 256 |
| 80 08 13 0840 | | | .3 | 1 | 0.023 | 0.032 | 0.410 | 0.004 | 0.121 | 0.157 | 0.378 | 0.535 | 389.0 | 6.0 |
| 80 09 24 1030 | | | .3 | 1 | 0.031 | 0.026 | 0.300 | 0.002 | 0.093 | 0.121 | 0.274 | 0.395 | 335.0 | 3.0 |
| 80 10 09 1745 | | | .3 | 1 | 0.019 | 0.016 | 0.45 | 0.004 | 0.026 | 0.046 | 0.434 | 0.480 | 376 | 23 |
| 80 11 18 1400 | | | .3 | 1 | 0.011 | 0.026 | 0.240 | 0.005 | 0.519 | 0.550 | 0.214 | 0.764 | 390.0 | 2.0 |
| 80 12 09 0845 | | | .3 | 1 | 0.034 | 0.040 | 0.540 | 0.006 | 0.979 | 1.025 | 0.500 | 1.525 | 345.0 | 21.0 |
| MAXIMUM | | | | | 0.134 | 0.57 | 4.45 | 0.150 | 1.25 | 1.970 | 3.880 | 5.850 | 633 | 256 |
| ARITH MEAN | | | | | 0.028 | 0.08 | 0.73 | 0.018 | 0.51 | 0.614 | 0.647 | 1.262 | 393 | 31 |
| GEOM MEAN | | | | | 0.019 | 0.04 | 0.44 | 0.006 | 0.30 | 0.379 | 0.391 | 0.886 | 387 | 9 |
| MINIMUM | | | | | 0.010 | 0.016 | 0.240 | 0.002 | 0.026 | 0.046 | 0.192 | 0.395 | 335.0 | 2.0 |
| STD DEV | | | | | 0.036 | 0.16 | 1.23 | 0.044 | 0.42 | 0.573 | 1.076 | 1.561 | 82 | 74 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

(CONTD)

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | PH | FWPH | ASUT | HGUT | ALUT | CRUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU |
| 80 01 10 1225 | | | .3 | 1 | 680.0 | 4.80 | 40.000 | 8.00 | 7.4 | | | | | |
| 80 02 15 1145 | | | .3 | 1 | 600.0 | 5.00 | 33.500 | 7.65 | 7.2 | | | | | |
| 80 04 23 0715 | | | .3 | 1 | 570.0 | 2.10 | 32.000 | 7.24 | 8.2 | | | | | |
| 80 05 21 0840 | | | .3 | 1 | 600.0 | 2.10 | 33.500 | 8.39 | 8.2 | 0.001< | | 0.100 | 0.020< | 0.060 |
| 80 06 24 0800 | | | .3 | 1 | 600.0 | 2.80 | 38.000 | 8.26 | 8.4 | | | | | |
| 80 07 08 0630 | | | .3 | 1 | 600 | 85.0 | 38.0 | 7.95 | 8.0 | 0.001 | 0.060 | 7.800 | 0.020< | 0.020 |
| 80 08 13 0840 | | | .3 | 1 | 600.0 | 2.50 | 42.500 | 8.32 | | | | | | |
| 80 09 24 1030 | | | .3 | 1 | 600.0 | 1.30 | 44.500 | 8.31 | 8.4 | | | | | |
| 80 10 09 1745 | | | .3 | 1 | 600 | 2.1 | 42.0 | 8.25 | 8.5 | 0.001< | 0.040< | 0.340 | 0.007 | 0.009 |
| 80 11 18 1400 | | | .3 | 1 | 620.0 | 1.10 | 37.500 | 8.24 | 8.3 | | | | | |
| 80 12 09 0845 | | | .3 | 1 | 540.0 | 4.90 | 30.500 | 8.18 | 6.7 | | | | | |
| MAXIMUM | | | | | 680.0 | 85.0 | 44.500 | 8.39 | 8.5 | 0.001 | 0.060 | 7.800 | 0.020 | 0.060 |
| ARITH MEAN | | | | | 600 | 10.3 | 37.4 | 8.07 | 7.9 | 0.001L | 0.050L | 2.747 | 0.016L | 0.030 |
| GEOM MEAN | | | | | 600 | 3.4 | 37.1 | 8.06 | 7.9 | 0.001L | 0.049L | 0.642 | 0.014L | 0.022 |
| MINIMUM | | | | | 540.0 | 1.10 | 30.500 | 7.24 | 6.7 | 0.001< | 0.040< | 0.100 | 0.007< | 0.009 |
| STD DEV | | | | | 33 | 24.8 | 4.6 | 0.35 | 0.6 | 0.000L | 0.014L | 4.378 | 0.008L | 0.027 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 10 | 3 | 2 | 3 | 3 | 3 |

| TEST-NAME: | | | | | PBUT | CDUT | ZNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 05 21 0840 | | | .3 | 1 | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020< | |
| 80 07 08 0630 | | | .3 | 1 | 0.030< | 0.005 < | 0.030 | 0.060 | 0.020< | 0.010< |
| 80 10 09 1745 | | | .3 | 1 | 0.003< | 0.0002< | 0.005 | 0.010 | 0.002< | 0.010< |
| MAXIMUM | | | | | 0.030 | 0.005 | 0.030 | 0.060 | 0.020 | 0.010 |
| ARITH MEAN | | | | | 0.021L | 0.003 L | 0.015L | 0.030L | 0.014L | 0.010L |
| GEOM MEAN | | | | | 0.014L | 0.001 L | 0.011L | 0.023L | 0.009L | 0.010L |
| MINIMUM | | | | | 0.003< | 0.0002< | 0.005< | 0.010< | 0.002< | 0.010< |
| STD DEV | | | | | 0.016L | 0.002 L | 0.013L | 0.026L | 0.010L | 0.000L |
| NO OF SAMPLES | | | | | 3 | 3 | 3 | 3 | 3 | 2 |

B.O.W / SITE **SHELTER VALLEY BROOK**
SAMPLE POINT **AT CONCESSION ROAD SOUTH OF GRAFTON**
STATION TYPE **RIVER FLOW GAUGE FED 02HD010**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ONTARIO**
TERM STREAM **SHELTER VALLEY BROOK**

STATION ID **06-0142-001-02**
STORET CODE **02**
**004**
**3060**

LAT. LONG. U.T.M. **17 0740100.0 4873350.0 4** REGION **03** DISTANCE **1.609**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 10 1210 | | | .3 | 1 | 22004 | 4 | 0.525 | 70I | 250 | 44 | 52 | 2.0 | 13.9 | 1.2 |
| 80 02 15 1130 | | | .3 | 1 | 22089 | 4 | 0.355 | 310 | 590 | 4< | 8 | 0.0 | 10.5 | 0.4 |
| 80 03 13 1130 | | | .3 | 1 | 21067 | 4 | 0.317 | 650 | 1950 | 52 | 180 | 0.0 | 9.8 | 1.0 |
| 80 04 23 0800 | | | .3 | 1 | 21156 | 6 | 0.906 | 10I | 40 | 4< | 4 | 6.5 | 13.1 | 0.2 |
| 80 05 21 0910 | | | .3 | 1 | 21231 | 6 | 0.610 | 40I | 860 | 10I | 10I | 13.8 | 10.2 | 0.4 |
| 80 06 24 0840 | | | .3 | 1 | 21293 | 6 | 0.480 | 310C | 4500 | 116 | 72 | 17.0 | 10.5 | 0.4 |
| 80 07 08 0715 | | | .3 | 1 | 21359 | 6 | 0.604 | 2100C | 72000 | 1280 | 560 | 15.8 | 9.2 | 2.4 |
| 80 08 13 0915 | | | .3 | 1 | 21421 | 6 | 0.433 | | | | | 17.5 | 12.5 | 0.4 |
| 80 09 24 1050 | | | .3 | 1 | 21483 | 6 | 0.432 | 1000 | 6000 | 140 | 40I | 8.5 | 10.8 | 1.3 |
| 80 10 09 1715 | | | .3 | 1 | 21582 | 6 | 0.430 | 560 | 5300 | 410 | 200 | 8.0 | 8.3 | 0.8 |
| 80 11 18 1420 | | | .3 | 1 | 21609 | 6 | 0.495 | 280I | 1020 | 120 | 20I | 3.0 | 14.0 | 0.2 |
| 80 12 09 0930 | | | .3 | 1 | 21672 | 6 | 1.270 | | | | | 2.5 | 9.4 | 0.2 |
| MAXIMUM | | | | | | | 1.270 | 2100 | 72000 | 1280 | 560 | 17.5 | 14.0 | 2.4 |
| ARITH MEAN | | | | | | | 0.571 | 533 | 9251 | 218L | 115 | 7.9 | 11.0 | 0.7 |
| GEOM MEAN | | | | | | | 0.529 | 238 | 1591 | 57L | 43 | 5.2 | 10.9 | 0.5 |
| MINIMUM | | | | | | | 0.317 | 10 | 40 | 4< | 4 | 0.0 | 8.3 | 0.2 |
| STD DEV | | | | | | | 0.268 | 631 | 22157 | 392L | 172 | 6.7 | 1.9 | 0.7 |
| NO OF SAMPLES | | | | | | | 12 | 10 | 10 | 10 | 10 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 10 1210 | | | .3 | 1 | 0.011 | 0.005 | 0.012 | 0.100 | 0.005 | 1.050 | 1.067 | 0.088 | 1.155 | 286.0 |
| 80 02 15 1130 | | | .3 | 1 | 0.028 | 0.010 | 0.046 | 0.220 | 0.007 | 1.090 | 1.143 | 0.174 | 1.317 | 271.0 |
| 80 03 13 1130 | | | .3 | 1 | 0.079 | 0.017 | 0.068 | 0.290 | 0.011 | 1.290 | 1.369 | 0.222 | 1.591 | 291.0 |
| 80 04 23 0800 | | | .3 | 1 | 0.022 | 0.002 | 0.022 | 0.270 | 0.006 | 0.624 | 0.652 | 0.248 | 0.900 | 277.0 |
| 80 05 21 0910 | | | .3 | 1 | 0.021 | 0.001 | 0.006 | 0.330 | 0.006 | 0.329 | 0.341 | 0.324 | 0.665 | 279.0 |
| 80 06 24 0840 | | | .3 | 1 | 0.015 | 0.002 | 0.030 | 0.290 | 0.010 | 0.320 | 0.360 | 0.260 | 0.620 | 273.0 |
| 80 07 08 0715 | | | .3 | 1 | 0.044 | 0.002 | 0.002< | 0.35 | 0.012 | 0.393 | 0.407 | 0.348 | 0.755 | 326 |
| 80 08 13 0915 | | | .3 | 1 | 0.018 | 0.004 | 0.010 | 0.240 | 0.004 | 0.366 | 0.380 | 0.230 | 0.610 | 292.0 |
| 80 09 24 1050 | | | .3 | 1 | 0.009 | 0.001< | 0.006 | 0.210 | 0.002 | 0.373 | 0.381 | 0.204 | 0.585 | 247.0 |
| 80 10 09 1715 | | | .3 | 1 | 0.058 | 0.001< | 0.010 | 0.40 | 0.006 | 0.419 | 0.435 | 0.390 | 0.825 | 299 |
| 80 11 18 1420 | | | .3 | 1 | 0.014 | 0.002 | 0.004 | 0.170 | 0.001 | 0.705 | 0.710 | 0.166 | 0.876 | 314.0 |
| 80 12 09 0930 | | | .3 | 1 | 0.068 | 0.012 | 0.048 | 0.520 | 0.005 | 0.630 | 0.683 | 0.472 | 1.155 | 310.0 |
| MAXIMUM | | | | | 0.079 | 0.017 | 0.068 | 0.520 | 0.012 | 1.290 | 1.369 | 0.472 | 1.591 | 326 |
| ARITH MEAN | | | | | 0.032 | 0.006L | 0.022L | 0.28 | 0.006 | 0.632 | 0.661 | 0.260 | 0.921 | 288 |
| GEOM MEAN | | | | | 0.026 | 0.003L | 0.013L | 0.26 | 0.005 | 0.561 | 0.587 | 0.239 | 0.875 | 288 |
| MINIMUM | | | | | 0.009 | 0.001< | 0.002< | 0.100 | 0.001 | 0.320 | 0.341 | 0.088 | 0.585 | 247.0 |
| STD DEV | | | | | 0.024 | 0.005L | 0.021L | 0.11 | 0.003 | 0.337 | 0.353 | 0.107 | 0.319 | 21 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

(CONTD)

B.O.W / SITE **SHELTER VALLEY BROOK**
SAMPLE POINT **AT CONCESSION ROAD SOUTH OF GRAFTON**
STATION TYPE **RIVER FLOW GAUGE FED 02HD010**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ONTARIO**
TERM STREAM **SHELTER VALLEY BROOK**

STATION ID **06-0142-001-02**
STORET CODE **02 004 3060**

LAT LONG U T M **17 0740100.0 4873350.0 4** REGION **03** DISTANCE **1.600**

| | TEST-NAME: | | | RSP | COND25 | TURB | CLIDUR | PH | FWPH | ASUT | HGUT | ALUT | CRUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR |
| 80 01 10 1210 | | | 3 | 1 | 4 0 | 470 0 | 1 80 | 7 000 | 8 12 | 7 8 | | | | |
| 80 02 15 1130 | | | 3 | 1 | 11 0 | 450 0 | 3 50 | 8 600 | 8.01 | 7 5 | | | | |
| 80 03 13 1130 | | | 3 | 1 | 7 0 | 455 0 | 3 50 | 11.500 | | 7 6 | | | | |
| 80 04 23 0800 | | | 3 | 1 | 4 0 | 420 0 | 1 60 | 6 850 | 8 20 | 8 3 | | | | |
| 80 05 21 0910 | | | 3 | 1 | 6 0 | 420 0 | 1 90 | 6 600 | 8 43 | 8 3 | 0 001< | | 0 110 | 0 020< |
| 80 06 24 0840 | | | .3 | 1 | 3 0 | 415 0 | 1 80 | 6 650 | 8 25 | 8 3 | | | | |
| 80 07 08 0715 | | | 3 | 1 | 53 | 420 | 15 0 | 7 00 | 8 21 | 8 2 | 0 001< | 0 030 | 0 770 | 0 020< |
| 80 08 13 0915 | | | .3 | 1 | 9 0 | 435 0 | 4 30 | 6 700 | 8 35 | | | | | |
| 80 09 24 1050 | | | 3 | 1 | 4 0 | 425 0 | 1 60 | 6 650 | 8 29 | 8 3 | | | | |
| 80 10 09 1715 | | | .3 | 1 | 40 | 430 | 16 | 6 80 | 8 28 | 7 5 | 0 001< | 0 040< | 0 680 | 0 004 |
| 80 11 18 1420 | | | 3 | 1 | 5 0 | 470 0 | 1 80 | 12 500 | 8 49 | 8 4 | | | | |
| 80 12 09 0930 | | | .3 | 1 | 60 0 | 410 0 | 15 00 | 7 950 | 8 24 | 6 8 | | | | |
| **MAXIMUM** | | | | | **60.0** | **470.0** | **16** | **12.500** | **8.49** | **8.4** | **0.001** | **0.040** | **0.770** | **0.020** |
| **ARITH MEAN** | | | | | **17** | **435** | **5** | **7.90** | **8.26** | **7.9** | **0.001L** | **0.035L** | **0.520** | **0.015L** |
| **GEOM MEAN** | | | | | **9** | **434** | **3** | **7.70** | **8.26** | **7.9** | **0.001L** | **0.035L** | **0.386** | **0.012L** |
| **MINIMUM** | | | | | **3.0** | **410.0** | **1.60** | **6.600** | **8.01** | **6.8** | **0.001<** | **0.030<** | **0.110** | **0.004<** |
| **STD DEV** | | | | | **21** | **21** | **5** | **2.01** | **0.13** | **0.5** | **0.000L** | **0.007L** | **0.358** | **0.009L** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **11** | **11** | **3** | **2** | **3** | **3** |

| | TEST-NAME: | | | | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 05 21 0910 | | | 3 | 1 | 0 050 | 0.030< | 0 005 < | 0 010< | 0 020< | 0 020< | |
| 80 07 08 0715 | | | .3 | 1 | 0 010< | 0.030< | 0 005 < | 0.010< | 0 020< | 0 020< | 0 010< |
| 80 10 09 1715 | | | 3 | 1 | 0 006 | 0 003< | 0 0002< | 0.005 | 0 009 | 0 002< | 0 010< |
| **MAXIMUM** | | | | | **0.050** | **0.030** | **0.005** | **0.010** | **0.020** | **0.020** | **0.010** |
| **ARITH MEAN** | | | | | **0.022L** | **0.021L** | **0.003 L** | **0.008L** | **0.016L** | **0.014L** | **0.010L** |
| **GEOM MEAN** | | | | | **0.014L** | **0.014L** | **0.001 L** | **0.008L** | **0.015L** | **0.009L** | **0.010L** |
| **MINIMUM** | | | | | **0.006<** | **0.003<** | **0.0002<** | **0.005<** | **0.009<** | **0.002<** | **0.010<** |
| **STD DEV** | | | | | **0.024L** | **0.016L** | **0.002 L** | **0.003L** | **0.006L** | **0.010L** | **0.000L** |
| **NO OF SAMPLES** | | | | | **3** | **3** | **3** | **3** | **3** | **3** | **2** |

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B.O.W / SITE **COLBORNE CREEK**
SAMPLE POINT **AT BRIDGE IN LAKEPORT**
STATION TYPE **RIVER FLOW GAUGE MOE 02HD102**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ONTARIO**
TERM STREAM **COLBORNE CREEK**

STATION ID **06-0146-001-02**
STORET CODE **02 004 2990**

LAT LONG U T M **18 0267350.0 4874350.0 4** REGION **03** DISTANCE **0.644**

| | TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT MG/L AS P |
| 80 01 10 1150 | | | 3 | 1 | 22003 | 4 | 1500 | 9000 | 280 | 150 | 1 2 | 14 7 | 1 2 | 0 138 |
| 80 02 15 1110 | | | 3 | 1 | 22088 | 4 | 1400 | 1700 | 150 | 40I | 0 0 | 10 4 | 0 8 | 0 093 |
| 80 03 13 1115 | | | 3 | 1 | 21066 | 4 | 8600 | 12500 | 520 | 390 | 0 0 | 10 1 | 0 2 | 0 133 |
| 80 04 23 0820 | | | 3 | 1 | 21157 | 6 | 130 | 1100 | 10I | 10< | 6 5 | 12 8 | 0 2 | 0 056 |
| 80 05 21 0940 | | | 3 | 1 | 21232 | 6 | 260C | 7500 | 4< | 4< | 13 5 | 12 2 | 0 2 | 0 056 |
| 80 06 24 0905 | | | 3 | 1 | 21294 | 6 | 28000 | 61000 | 312 | 116 | 15 5 | 10 5 | 0 4 | 0 082 |
| 80 07 08 0745 | | | 3 | 1 | 21360 | 6 | 3700C | 64000 | 1400 | 1480 | 14 2 | 10 3 | 1 4 | 0 090 |
| 80 08 13 0940 | | | 3 | 1 | 21422 | 6 | | | | | 17 4 | 12 0 | 0 6 | 0 089 |
| 80 09 24 1110 | | | 3 | 1 | 21484 | 6 | 3900 | 23000 | 420 | 210 | 8 5 | 11 3 | 0 8 | 0 085 |
| 80 10 09 1650 | | | .3 | 1 | 21581 | 6 | 500 | 3900 | 60I | 60I | 8 8 | 9 9 | 0 6 | 0 057 |
| 80 11 18 1440 | | | 3 | 1 | 21610 | 6 | 2500 | 3700 | 160 | 110 | 2 6 | 12 1 | 0 2 | 0 063 |
| 80 12 09 1000 | | | 3 | 1 | 21673 | 6 | | | | | 1 0 | 7 2 | 0 3 | 0 096 |
| **MAXIMUM** | | | | | | | **28000** | **64000** | **1400** | **1480** | **17.4** | **14.7** | **1.4** | **0.138** |
| **ARITH MEAN** | | | | | | | **5049** | **18740** | **332L** | **257L** | **7.4** | **11.1** | **0.6** | **0.086** |
| **GEOM MEAN** | | | | | | | **1774** | **8532** | **131L** | **86L** | **4.5** | **11.0** | **0.5** | **0.083** |
| **MINIMUM** | | | | | | | **130** | **1100** | **4<** | **4<** | **0.0** | **7.2** | **0.2** | **0.056** |
| **STD DEV** | | | | | | | **8451** | **23946** | **413L** | **445L** | **6.5** | **1.9** | **0.4** | **0.027** |
| **NO OF SAMPLES** | | | | | | | **10** | **10** | **10** | **10** | **12** | **12** | **12** | **12** |

| | TEST-NAME | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 10 1150 | | | 3 | 1 | 0 080 | 0 204 | 0 630 | 0 009 | 1 150 | 1 363 | 0 426 | 1 789 | 328 0 | 13 0 |
| 80 02 15 1110 | | | 3 | 1 | 0 053 | 0 178 | 0 480 | 0 009 | 1 140 | 1 327 | 0 302 | 1 629 | 299 0 | 13 0 |
| 80 03 13 1115 | | | 3 | 1 | 0 081 | 0 344 | 0 780 | 0 013 | 1 290 | 1 647 | 0 436 | 2 083 | 338 0 | 13 0 |
| 80 04 23 0820 | | | 3 | 1 | 0 019 | 0 026 | 0 490 | 0 007 | 0 673 | 0 706 | 0 464 | 1 170 | 324 0 | 4 0 |
| 80 05 21 0940 | | | 3 | 1 | 0 013 | 0 010 | 0 530 | 0 010 | 0 355 | 0 375 | 0 520 | 0 895 | 344 0 | 6 0 |
| 80 06 24 0905 | | | 3 | 1 | 0 035 | 0 070 | 0 420 | 0 021 | 0 599 | 0 690 | 0 350 | 1 040 | 307 0 | 11 0 |
| 80 07 08 0745 | | | 3 | 1 | 0 028 | 0 042 | 0 55 | 0 024 | 0 681 | 0 747 | 0 508 | 1 255 | 307 | 21 |
| 80 08 13 0940 | | | 3 | 1 | 0 050 | 0 040 | 0 450 | 0 013 | 0 517 | 0 570 | 0 410 | 0 980 | 314 0 | 10 0 |
| 80 09 24 1110 | | | 3 | 1 | 0 063 | 0 066 | 0 320 | 0 020 | 0 680 | 0 766 | 0 254 | 1 020 | 256 0 | 9 0 |
| 80 10 09 1650 | | | .3 | 1 | 0 030 | 0 006 | 0 30 | 0 007 | 0 528 | 0 541 | 0 294 | 0 835 | 292 | 8 |
| 80 11 18 1440 | | | 3 | 1 | 0 040 | 0 026 | 0 350 | 0 005 | 0 785 | 0 816 | 0 324 | 1 140 | 342 0 | 5 0 |
| 80 12 09 1000 | | | 3 | 1 | 0 045 | 0 080 | 0 670 | 0 009 | 0 876 | 0 965 | 0 590 | 1 555 | 323 0 | 21 0 |
| **MAXIMUM** | | | | | **0.081** | **0.344** | **0.780** | **0.024** | **1.290** | **1.647** | **0.590** | **2.083** | **344.0** | **21** |
| **ARITH MEAN** | | | | | **0.045** | **0.091** | **0.49** | **0.012** | **0.773** | **0.876** | **0.406** | **1.283** | **314** | **11** |
| **GEOM MEAN** | | | | | **0.039** | **0.051** | **0.47** | **0.011** | **0.725** | **0.806** | **0.394** | **1.232** | **313** | **9** |
| **MINIMUM** | | | | | **0.013** | **0.006** | **0.30** | **0.005** | **0.355** | **0.375** | **0.254** | **0.835** | **256.0** | **4.0** |
| **STD DEV** | | | | | **0.022** | **0.101** | **0.14** | **0.006** | **0.288** | **0.381** | **0.104** | **0.393** | **24** | **5** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

(CONTD)

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH | ASUT | HGUT | ALUT | CRUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | ARSENIC UNF.TOT MG/L AS AS | MERCURY UNF.TOT UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR |
| 80 01 10 1150 | | | .3 | 1 | | 540.0 | 5.80 | 22.000 | 8.06 | 7.8 | | | | |
| 80 02 15 1110 | | | .3 | 1 | | 485.0 | 5.20 | 20.500 | 7.96 | 7.5 | | | | |
| 80 03 13 1115 | | | .3 | 1 | 325.0 | 550.0 | 6.80 | 34.500 | | 7.6 | | | | |
| 80 04 23 0820 | | | .3 | 1 | | 510.0 | 2.40 | 24.500 | 8.23 | 8.2 | | | | |
| 80 05 21 0940 | | | .3 | 1 | | 475.0 | 2.30 | 23.000 | 8.38 | 8.3 | | | | |
| 80 06 24 0905 | | | .3 | 1 | | 455.0 | 4.80 | 17.500 | 8.22 | 8.3 | | | | |
| 80 07 08 0745 | | | .3 | 1 | | 440 | 8.4 | 15.5 | 8.27 | 8.0 | 0.001< | 0.030< | 0.650 | 0.020< |
| 80 08 13 0940 | | | .3 | 1 | 304.0 | 465.0 | 4.20 | 19.500 | 8.31 | | | | | |
| 80 09 24 1110 | | | .3 | 1 | | 470.0 | 2.10 | 18.500 | 8.32 | 8.4 | | | | |
| 80 10 09 1650 | | | .3 | 1 | | 465 | 3.3 | 19.0 | 8.45 | 7.5 | 0.001< | 0.040< | 0.120 | 0.004 |
| 80 11 18 1440 | | | .3 | 1 | | 540.0 | 1.70 | 25.500 | 8.31 | 8.5 | | | | |
| 80 12 09 1000 | | | .3 | 1 | | 510.0 | 6.20 | 29.500 | 8.01 | 6.9 | | | | |
| MAXIMUM | | | | | 325.0 | 550.0 | 8.4 | 34.500 | 8.45 | 8.5 | 0.001 | 0.040 | 0.650 | 0.020 |
| ARITH MEAN | | | | | 314.5 | 492 | 4.4 | 22.4 | 8.23 | 7.9 | 0.001L | 0.035L | 0.385 | 0.012L |
| GEOM MEAN | | | | | 314.3 | 490 | 3.9 | 21.9 | 8.23 | 7.9 | 0.001L | 0.035L | 0.279 | 0.009L |
| MINIMUM | | | | | 304.0 | 440 | 1.70 | 15.5 | 7.96 | 6.9 | 0.001< | 0.030< | 0.120 | 0.004< |
| STD DEV | | | | | 14.8 | 36 | 2.1 | 5.4 | 0.16 | 0.5 | 0.000L | 0.007L | 0.375 | 0.011L |
| NO OF SAMPLES | | | | | 2 | 12 | 12 | 12 | 11 | 11 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 07 08 0745 | | | .3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< | 0.040 | 0.020< | 0.010< |
| 80 10 09 1650 | | | .3 | 1 | 0.005 | 0.003< | 0.0002< | 0.004 | 0.009 | 0.002< | 0.010< |
| MAXIMUM | | | | | 0.010 | 0.030 | 0.005 | 0.010 | 0.040 | 0.020 | 0.010 |
| ARITH MEAN | | | | | 0.007L | 0.016L | 0.002 L | 0.007L | 0.024 | 0.011L | 0.010L |
| GEOM MEAN | | | | | 0.007L | 0.009L | 0.001 L | 0.006L | 0.019 | 0.006L | 0.010L |
| MINIMUM | | | | | 0.005< | 0.003< | 0.0002< | 0.004< | 0.009 | 0.002< | 0.010< |
| STD DEV | | | | | 0.004L | 0.019L | 0.003 L | 0.004L | 0.022 | 0.013L | 0.000L |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

B O W / SITE: **SALEM CREEK**
SAMPLE POINT: **FIRST ROAD UPSTREAM FROM LAKE ONTARIO**
STATION TYPE: **RIVER FLOW GAUGE MOE 02HD101**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **SALEM CREEK**

STATION ID: **06-0148-001-02**
STORET CODE: **02**
**004**
**2950**

LAT
LONG
U T M: **18 0272500.0 4876060.0 4**
REGION: **03**
DISTANCE: **0.644**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 10 1135 | | | .3 | 1 | 22002 | 4 | 170 | 700 | 8 | 12 | 1.1 | 15.1 | 1.2 | 0.026 |
| 80 02 15 1045 | | | .3 | 1 | 22087 | 6 | 350 | 800 | 36 | 4< | 0.0 | 10.9 | 0.6 | 0.029 |
| 80 03 13 1045 | | | .3 | 1 | 21065 | 4 | 730C | 3100 | 92 | 164 | 0.0 | 10.4 | 1.0 | 0.043 |
| 80 04 23 1015 | | | .3 | 1 | 21158 | 6 | 20 | 28 | 4 | 4< | 9.2 | 11.7 | 0.6 | 0.021 |
| 80 05 21 1030 | | | .3 | 1 | 21233 | 6 | 100 | 24000> | 4 | 68 | 19.2 | 11.8 | 0.8 | 0.034 |
| 80 06 24 0930 | | | .3 | 1 | 21295 | 6 | 70C | 7000 | 16 | 28 | 17.5 | 9.8 | 0.6 | 0.034 |
| 80 07 08 0805 | | | .3 | 1 | 21361 | 6 | 420C | 26400 | 190 | 480 | 16.5 | 9.2 | 1.6 | 0.043 |
| 80 08 13 1200 | | | .3 | 1 | 21423 | 6 | | | | | 19.5 | 11.8 | 0.8 | 0.023 |
| 80 09 24 1505 | | | .3 | 1 | 21485 | 6 | 260C | 13400 | 10I | 30I | 10.5 | 8.8 | 0.9 | 0.018 |
| 80 10 09 1630 | | | .3 | 1 | 21580 | 6 | 180I | 2800 | 10I | 10I | 9.2 | 9.0 | 1.0 | 0.017 |
| 80 11 18 1500 | | | .3 | 1 | 21611 | 6 | 280 | 10600 | 10< | 20I | 0.5 | 13.5 | 0.2< | 0.013 |
| 80 12 09 1030 | | | .3 | 1 | 21674 | 6 | | | | | 2.0 | 7.0 | 0.2 | 0.036 |
| MAXIMUM | | | | | | | 730 | 26400> | 190 | 480 | 19.5 | 15.1 | 1.6 | 0.043 |
| ARITH MEAN | | | | | | | 258 | 8883G | 38L | 82L | 8.8 | 10.7 | 0.8L | 0.028 |
| GEOM MEAN | | | | | | | 179 | 3114G | 16L | 27L | 4.7 | 10.5 | 0.7L | 0.026 |
| MINIMUM | | | | | | | 20 | 28 | 4< | 4< | 0.0 | 7.0 | 0.2< | 0.013 |
| STD DEV | | | | | | | 208 | 9681G | 60L | 148L | 7.9 | 2.2 | 0.4L | 0.010 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC MG/L |
| 80 01 10 1135 | | | .3 | 1 | 0.011 | 0.056 | 0.170 | 0.009 | 1.540 | 1.605 | 0.114 | 1.719 | 290.0 | 8.0 |
| 80 02 15 1045 | | | .3 | 1 | 0.004 | 0.056 | 0.190 | 0.010 | 1.540 | 1.606 | 0.134 | 1.740 | 278.0 | 4.0 |
| 80 03 13 1045 | | | .3 | 1 | 0.009 | 0.090 | 0.480 | 0.012 | 1.590 | 1.692 | 0.390 | 2.082 | 349.0 | 16.0 |
| 80 04 23 1015 | | | .3 | 1 | 0.002 | 0.024 | 0.290 | 0.007 | 0.993 | 1.024 | 0.266 | 1.290 | 287.0 | 4.0 |
| 80 05 21 1030 | | | .3 | 1 | 0.003 | 0.018 | 0.460 | 0.009 | 0.621 | 0.648 | 0.442 | 1.090 | 279.0 | 3.0 |
| 80 06 24 0930 | | | .3 | 1 | 0.002 | 0.052 | 0.380 | 0.018 | 0.697 | 0.767 | 0.328 | 1.095 | 278.0 | 15.0 |
| 80 07 08 0805 | | | .3 | 1 | 0.002 | 0.026 | 0.55 | 0.020 | 0.805 | 0.851 | 0.524 | 1.375 | 297 | 21 |
| 80 08 13 1200 | | | .3 | 1 | 0.001 | 0.002 | 0.320 | 0.019 | 0.669 | 0.690 | 0.318 | 1.008 | 288.0 | 5.0 |
| 80 09 24 1505 | | | .3 | 1 | 0.002 | 0.016 | 0.250 | 0.005 | 0.675 | 0.696 | 0.234 | 0.930 | 236.0 | 6.0 |
| 80 10 09 1630 | | | .3 | 1 | 0.002 | 0.006 | 0.26 | 0.005 | 0.710 | 0.721 | 0.254 | 0.975 | 273 | 7 |
| 80 11 18 1500 | | | .3 | 1 | 0.002 | 0.012 | 0.310 | 0.004 | 1.200 | 1.216 | 0.298 | 1.514 | 305.0 | 3.0 |
| 80 12 09 1030 | | | .3 | 1 | 0.007 | 0.050 | 0.480 | 0.007 | 0.948 | 1.005 | 0.430 | 1.435 | 281.0 | 19.0 |
| MAXIMUM | | | | | 0.011 | 0.090 | 0.55 | 0.020 | 1.590 | 1.692 | 0.524 | 2.082 | 349.0 | 21 |
| ARITH MEAN | | | | | 0.004 | 0.034 | 0.34 | 0.010 | 0.999 | 1.043 | 0.311 | 1.354 | 286 | 9 |
| GEOM MEAN | | | | | 0.003 | 0.023 | 0.32 | 0.009 | 0.940 | 0.982 | 0.285 | 1.313 | 285 | 7 |
| MINIMUM | | | | | 0.001 | 0.002 | 0.170 | 0.004 | 0.621 | 0.648 | 0.114 | 0.930 | 236.0 | 3.0 |
| STD DEV | | | | | 0.003 | 0.026 | 0.12 | 0.006 | 0.375 | 0.394 | 0.122 | 0.360 | 25 | 6 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

( C O N T D )

B O W / SITE **SALEM CREEK**
SAMPLE POINT **FIRST ROAD UPSTREAM FROM LAKE ONTARIO**
STATION TYPE **RIVER FLOW GAUGE MOE 02HD101**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ONTARIO**
TERM STREAM **SALEM CREEK**

STATION ID **06-0148-001-02**
STORET CODE **02**
**004**
**2950**

LAT LONG U T M **18 0272500.0 4876060.0 4** REGION **03** DISTANCE **0.644**

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | PH | FWPH | ASUT | HGUT | ALUT | CRUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. UG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU |
| 80 01 10 1135 | | | 3 | 1 | 490.0 | 3.00 | 19.000 | 8.19 | 8.0 | | | | | |
| 80 02 15 1045 | | | 3 | 1 | 480.0 | 1.40 | 18.500 | 8.12 | 7.7 | | | | | |
| 80 03 13 1045 | | | 3 | 1 | 470.0 | 5.00 | 23.500 | | 7.7 | | | | | |
| 80 04 23 1015 | | | 3 | 1 | 435.0 | 1.80 | 17.000 | 8.39 | 8.3 | | | | | |
| 80 05 21 1030 | | | 3 | 1 | 425.0 | 1.50 | 15.500 | 8.37 | 8.3 | 0.001< | | 0.120 | 0.020< | 0.030 |
| 80 06 24 0930 | | | 3 | 1 | 405.0 | 2.70 | 18.000 | 8.30 | 8.4 | | | | | |
| 80 07 08 0805 | | | 3 | 1 | 425 | 7.1 | 19.0 | 8.26 | 8.2 | 0.001< | 0.030< | 0.240 | 0.020< | 0.010< |
| 80 08 13 1200 | | | 3 | 1 | 435.0 | 2.10 | 19.000 | 8.26 | | | | | | |
| 80 09 24 1505 | | | 3 | 1 | 420.0 | 1.50 | 20.000 | 8.39 | 8.3 | | | | | |
| 80 10 09 1630 | | | .3 | 1 | 445 | 1.9 | 20.5 | 8.33 | 7.5 | 0.001< | 0.040< | 0.092 | 0.002 | 0.002 |
| 80 11 18 1500 | | | 3 | 1 | 490.0 | 1.10 | 20.000 | 8.31 | 8.4 | | | | | |
| 80 12 09 1030 | | | .3 | 1 | 430.0 | 6.30 | 16.000 | 8.11 | 7.1 | | | | | |
| **MAXIMUM** | | | | | **490.0** | **7.1** | **23.500** | **8.39** | **8.4** | **0.001** | **0.040** | **0.240** | **0.020** | **0.030** |
| **ARITH MEAN** | | | | | **445** | **2.9** | **18.8** | **8.28** | **8.0** | **0.001L** | **0.035L** | **0.151** | **0.014L** | **0.014L** |
| **GEOM MEAN** | | | | | **445** | **2.4** | **18.7** | **8.27** | **8.0** | **0.001L** | **0.035L** | **0.138** | **0.009L** | **0.008L** |
| **MINIMUM** | | | | | **405.0** | **1.10** | **15.500** | **8.11** | **7.1** | **0.001<** | **0.030<** | **0.092** | **0.002<** | **0.002<** |
| **STD DEV** | | | | | **29** | **2.0** | **2.1** | **0.10** | **0.4** | **0.000L** | **0.007L** | **0.079** | **0.010L** | **0.014L** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **11** | **11** | **3** | **2** | **3** | **3** | **3** |

| TEST-NAME: | | | | | PBUT | CDUT | ZNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 05 21 1030 | | | 3 | 1 | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020< | |
| 80 07 08 0805 | | | 3 | 1 | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020< | |
| 80 10 09 1630 | | | .3 | 1 | 0.003< | 0.0002< | 0.002 | 0.009 | 0.002< | 0.010< |
| **MAXIMUM** | | | | | **0.030** | **0.005** | **0.010** | **0.020** | **0.020** | **0.010** |
| **ARITH MEAN** | | | | | **0.021L** | **0.003 L** | **0.007L** | **0.016L** | **0.014L** | **0.010L** |
| **GEOM MEAN** | | | | | **0.014L** | **0.001 L** | **0.006L** | **0.015L** | **0.009L** | |
| **MINIMUM** | | | | | **0.003<** | **0.0002<** | **0.002<** | **0.009<** | **0.002<** | **0.010<** |
| **STD DEV** | | | | | **0.016L** | **0.002 L** | **0.005L** | **0.006L** | **0.010L** | |
| **NO OF SAMPLES** | | | | | **3** | **3** | **3** | **3** | **3** | **1** |

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B O W / SITE **PROCTORS CREEK**
SAMPLE POINT **ROAD TO HIGHWAY 33, BRIGHTON**
STATION TYPE **RIVER FLOW GAUGE MOE 02HD100**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ONTARIO**
TERM STREAM **PROCTORS CREEK**

STATION ID **06-0151-001-02**
STORET CODE **02**
**004**
**2820**

LAT LONG U T M **18 0281675.0 4878350.0 4** REGION **03** DISTANCE **0.322**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT MG/L AS P |
| 80 01 10 1115 | | | 3 | 1 | 22001 | 4 | 1000 | 2400 | 72 | 140 | 0.9 | 14.9 | 1.0 | 0.020 |
| 80 02 15 1020 | | | .3 | 1 | 22086 | 4 | 940 | 1800 | 172 | 136 | 0.0 | 10.9 | 0.2 | 0.017 |
| 80 03 13 1035 | | | 3 | 1 | 21064 | 4 | 3000> | 3000> | 68 | 600> | 0.0 | 10.6 | 0.4 | 0.071 |
| 80 04 23 1055 | | | 3 | 1 | 21159 | 6 | 60I | 300 | 4 | 20< | 8.2 | 11.2 | 0.2 | 0.012 |
| 80 05 21 1035 | | | 3 | 1 | 21234 | 6 | 1170 | 24000> | 32 | 104 | 19.2 | 11.8 | 0.8 | 0.011 |
| 80 06 24 1230 | | | .3 | 1 | 21296 | 6 | 650C | 7600 | 120 | 100 | 19.8 | 11.2 | 0.2 | 0.016 |
| 80 07 08 0835 | | | 3 | 1 | 21362 | 6 | 360000 | 1080000 | 1090 | 1490 | 15.8 | 9.5 | 1.4 | 0.030 |
| 80 08 13 1415 | | | .3 | 1 | 21424 | 6 | | | | | 19.2 | 11.4 | 0.4 | 0.016 |
| 80 09 24 1345 | | | .3 | 1 | 21486 | 6 | 3500 | 25000 | 150 | 150 | 10.5 | 10.8 | 1.1 | 0.012 |
| 80 10 09 1600 | | | .3 | 1 | 21579 | 6 | 480 | 4100 | 90I | 70I | 8.0 | 9.5 | 0.4 | 0.014 |
| 80 11 18 1525 | | | .3 | 1 | 21612 | 6 | 7700 | 4600 | 90I | 40I | 3.0 | 13.2 | 0.2 | 0.016 |
| 80 12 09 1050 | | | 3 | 1 | 21675 | 6 | | | | | 1.8 | 6.7 | 0.2< | 0.046 |
| **MAXIMUM** | | | | | | | **360000>** | **1080000>** | **1090** | **1490>** | **19.8** | **14.9** | **1.4** | **0.071** |
| **ARITH MEAN** | | | | | | | **37850G** | **115280G** | **189** | **285B** | **8.9** | **11.0** | **0.5L** | **0.023** |
| **GEOM MEAN** | | | | | | | **1896G** | **7174G** | **84** | **131B** | **5.2** | **10.8** | **0.4L** | **0.020** |
| **MINIMUM** | | | | | | | **60** | **300** | **4** | **20<** | **0.0** | **6.7** | **0.2<** | **0.011** |
| **STD DEV** | | | | | | | **113215G** | **339087G** | **321** | **454B** | **7.9** | **2.0** | **0.4L** | **0.018** |
| **NO OF SAMPLES** | | | | | | | **10** | **10** | **10** | **10** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 10 1115 | | | 3 | 1 | 0.010 | 0.030 | 0.190 | 0.005 | 1.790 | 1.825 | 0.160 | 1.985 | 390.0 | 4.0 |
| 80 02 15 1020 | | | 3 | 1 | 0.006 | 0.042 | 0.280 | 0.006 | 1.690 | 1.738 | 0.238 | 1.976 | 347.0 | 4.0 |
| 80 03 13 1035 | | | 3 | 1 | 0.025 | 0.174 | 0.540 | 0.017 | 1.930 | 2.121 | 0.366 | 2.487 | 415.0 | 14.0 |
| 80 04 23 1055 | | | 3 | 1 | 0.003 | 0.012 | 0.310 | 0.004 | 0.886 | 0.902 | 0.298 | 1.200 | 345.0 | 2.0 |
| 80 05 21 1035 | | | 3 | 1 | 0.002 | 0.004 | 0.340 | 0.006 | 0.589 | 0.599 | 0.336 | 0.935 | 354.0 | 1.0 |
| 80 06 24 1230 | | | 3 | 1 | 0.001 | 0.024 | 0.340 | 0.011 | 0.774 | 0.809 | 0.316 | 1.125 | 352.0 | 2.0 |
| 80 07 08 0835 | | | 3 | 1 | 0.001 | 0.006 | 0.37 | 0.004 | 1.05 | 1.060 | 0.364 | 1.424 | 353 | 9 |
| 80 08 13 1415 | | | 3 | 1 | 0.004 | 0.006 | 0.350 | 0.006 | 0.769 | 0.781 | 0.344 | 1.125 | 365.0 | 2.0 |
| 80 09 24 1345 | | | 3 | 1 | 0.002 | 0.006 | 0.210 | 0.003 | 0.867 | 0.876 | 0.204 | 1.080 | 322.0 | 4.0 |
| 80 10 09 1600 | | | 3 | 1 | 0.007 | 0.294 | 0.21 | 0.002 | 1.55 | 1.846 | 0.084 | 1.762 | 342 | 4 |
| 80 11 18 1525 | | | 3 | 1 | 0.004 | 0.010 | 0.260 | 0.003 | 1.200 | 1.213 | 0.250 | 1.463 | 387.0 | 7.0 |
| 80 12 09 1050 | | | 3 | 1 | 0.013 | 0.020 | 0.520 | 0.004 | 1.050 | 1.074 | 0.500 | 1.574 | 352.0 | 20.0 |
| **MAXIMUM** | | | | | **0.025** | **0.294** | **0.540** | **0.017** | **1.930** | **2.121** | **0.500** | **2.487** | **415.0** | **20.0** |
| **ARITH MEAN** | | | | | **0.006** | **0.052** | **0.32** | **0.006** | **1.17** | **1.237** | **0.288** | **1.511** | **360** | **6** |
| **GEOM MEAN** | | | | | **0.004** | **0.020** | **0.31** | **0.005** | **1.10** | **1.146** | **0.265** | **1.450** | **359** | **4** |
| **MINIMUM** | | | | | **0.001** | **0.004** | **0.190** | **0.002** | **0.589** | **0.599** | **0.084** | **0.935** | **322.0** | **1.0** |
| **STD DEV** | | | | | **0.007** | **0.089** | **0.11** | **0.004** | **0.45** | **0.509** | **0.110** | **0.465** | **25** | **5** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

(CONTD)

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH | ASUT | HGUT | ALUT | CRUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT MG/L AS AL | CHROMIUM UNF.TOT MG/L AS CR |
| 80 01 10 1115 | | | .3 | 1 | | 660.0 | 2.40 | 51.000 | 8.01 | 7.8 | | | | |
| 80 02 15 1020 | | | .3 | 1 | | 590.0 | 2.30 | 47.500 | 7.91 | 7.6 | | | | |
| 80 03 13 1035 | | | .3 | 1 | 401.0 | 660.0 | 5.60 | 73.000 | | 7.6 | | | | |
| 80 04 23 1055 | | | .3 | 1 | | 560.0 | 1.70 | 38.500 | 8.33 | 8.2 | | | | |
| 80 05 21 1035 | | | .3 | 1 | | 550.0 | 1.40 | 35.000 | 8.47 | 8.3 | 0.001< | | 0.020 | 0.020< |
| 80 06 24 1230 | | | .3 | 1 | | 550.0 | 1.70 | 34.500 | 8.37 | 8.5 | | | | |
| 80 07 08 0835 | | | .3 | 1 | | 550 | 3.8 | 35.0 | 8.17 | 8.1 | 0.001< | 0.030< | 0.290 | 0.020< |
| 80 08 13 1415 | | | .3 | 1 | 363.0 | 550.0 | 1.70 | 47.500 | 8.40 | | | | | |
| 80 09 24 1345 | | | .3 | 1 | | 500.0 | 1.10 | 44.500 | 8.35 | 8.3 | | | | |
| 80 10 09 1600 | | | .3 | 1 | | 580 | 1.8 | 40.5 | 8.30 | 7.8 | 0.001< | 0.040< | 0.078 | 0.006 |
| 80 11 18 1525 | | | .3 | 1 | | 600.0 | 3.60 | 42.000 | 8.31 | 8.5 | | | | |
| 80 12 09 1050 | | | .3 | 1 | | 560.0 | 6.50 | 33.500 | 8.15 | 7.4 | | | | |
| **MAXIMUM** | | | | | **401.0** | **660.0** | **6.50** | **73.000** | **8.47** | **8.5** | **0.001** | **0.040** | **0.290** | **0.020** |
| **ARITH MEAN** | | | | | **382.0** | **575** | **2.8** | **43.5** | **8.25** | **8.0** | **0.001L** | **0.035L** | **0.129** | **0.015L** |
| **GEOM MEAN** | | | | | **381.5** | **574** | **2.4** | **42.4** | **8.25** | **8.0** | **0.001L** | **0.035L** | **0.077** | **0.013L** |
| **MINIMUM** | | | | | **363.0** | **500.0** | **1.10** | **33.500** | **7.91** | **7.4** | **0.001<** | **0.030<** | **0.020** | **0.006<** |
| **STD DEV** | | | | | **26.9** | **46** | **1.7** | **10.9** | **0.17** | **0.4** | **0.000L** | **0.007L** | **0.142** | **0.008L** |
| **NO OF SAMPLES** | | | | | **2** | **12** | **12** | **12** | **11** | **11** | **3** | **2** | **3** | **3** |

| TEST-NAME: | | | | | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 05 21 1035 | | | .3 | 1 | 0.080 | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020< | |
| 80 07 08 0835 | | | .3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< | 0.040 | 0.020< | 0.010< |
| 80 10 09 1600 | | | .3 | 1 | 0.003 | 0.003< | 0.0002< | 0.003 | 0.007 | 0.002< | 0.010< |
| **MAXIMUM** | | | | | **0.080** | **0.030** | **0.005** | **0.010** | **0.040** | **0.020** | **0.010** |
| **ARITH MEAN** | | | | | **0.031L** | **0.021L** | **0.003 L** | **0.008L** | **0.022L** | **0.014L** | **0.010L** |
| **GEOM MEAN** | | | | | **0.013L** | **0.014L** | **0.001 L** | **0.007L** | **0.018L** | **0.009L** | **0.010L** |
| **MINIMUM** | | | | | **0.003<** | **0.003<** | **0.0002<** | **0.003<** | **0.007<** | **0.002<** | **0.010<** |
| **STD DEV** | | | | | **0.043L** | **0.016L** | **0.002 L** | **0.004L** | **0.017L** | **0.010L** | **0.000L** |
| **NO OF SAMPLES** | | | | | **3** | **3** | **3** | **3** | **3** | **3** | **2** |

B.O.W./SITE: **SMITHFIELD CREEK**
SAMPLE POINT: **COUNTY ROAD 64 NEAR LOVETT**
STATION TYPE: **RIVER FLOW GAUGE MOE 02HD109**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ONTARIO**
TERM STREAM **SMITHFIELD CREEK**

STATION ID: **06-0152-001-02**
STORET CODE **02**
**004**
**2760**

LAT: LONG. U.T.M: **18 0285960.0 4879640.0 4** REGION: **03** DISTANCE: **0.322**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 10 1100 | | | .3 | 1 | 22000 | 4 | 540 | 3400 | 12 | 88 | 1.0 | 14.0 | 1.0 | 0.043 |
| 80 02 15 1000 | | | .3 | 1 | 22085 | 4 | 440 | 1000 | 4< | 16 | 0.0 | 11.3 | 0.4 | 0.044 |
| 80 03 13 1015 | | | .3 | 1 | 21063 | 4 | 1220 | 4700 | 436 | 600> | 0.0 | 10.8 | 0.4 | 0.078 |
| 80 04 23 1145 | | | .3 | 1 | 21160 | 6 | 20< | 420 | 10< | 20< | 9.2 | 11.8 | 0.4 | 0.014 |
| 80 05 21 1100 | | | .3 | 1 | 21235 | 6 | 670 | 24000> | 116 | 116 | 15.2 | 10.3 | 1.0 | 0.027 |
| 80 06 24 1130 | | | .3 | 1 | 21297 | 6 | 650000 | 930000 | 70I | 190 | 19.8 | 9.6 | 0.2 | 0.031 |
| 80 07 08 0900 | | | .3 | 1 | 21363 | 6 | 3000I | 56000 | 810 | 1320 | 15.5 | 9.5 | 1.0 | 0.039 |
| 80 08 13 1500 | | | .3 | 1 | 21425 | 6 | | | | | 20.0 | 12.0 | 0.6 | 0.030 |
| 80 09 24 1440 | | | .3 | 1 | 21487 | 6 | 1200 | 14000 | 90I | 300 | 11.0 | 10.9 | 0.7 | 0.016 |
| 80 10 09 1545 | | | .3 | 1 | 21578 | 6 | 640 | 4200 | 60I | 220 | 8.9 | 8.7 | 0.8 | 0.026 |
| 80 11 18 1540 | | | .3 | 1 | 21613 | 6 | 700I | 3100 | 30I | 20I | 3.0 | 13.4 | 0.2< | 0.014 |
| 80 12 09 1120 | | | .3 | 1 | 21676 | 6 | | | | | 1.0 | 7.2 | 0.4 | 0.078 |
| **MAXIMUM** | | | | | | | **650000** | **930000>** | **810** | **1320>** | **20.0** | **14.0** | **1.0** | **0.078** |
| **ARITH MEAN** | | | | | | | **65843L** | **104082G** | **164L** | **289B** | **8.7** | **10.8** | **0.6L** | **0.037** |
| **GEOM MEAN** | | | | | | | **1151L** | **8288G** | **54L** | **121B** | **5.0** | **10.6** | **0.5L** | **0.031** |
| **MINIMUM** | | | | | | | **20<** | **420** | **4<** | **16<** | **0.0** | **7.2** | **0.2<** | **0.014** |
| **STD DEV** | | | | | | | **205253L** | **290896G** | **260L** | **403B** | **7.7** | **1.9** | **0.3L** | **0.022** |
| **NO OF SAMPLES** | | | | | | | **10** | **10** | **10** | **10** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 10 1100 | | | .3 | 1 | 0.010 | 0.052 | 0.370 | 0.007 | 1.540 | 1.599 | 0.318 | 1.917 | 360.0 | 19.0 |
| 80 02 15 1000 | | | .3 | 1 | 0.005 | 0.064 | 0.340 | 0.009 | 1.140 | 1.213 | 0.276 | 1.489 | 322.0 | 20.0 |
| 80 03 13 1015 | | | .3 | 1 | 0.023 | 0.238 | 0.980 | 0.019 | 1.480 | 1.737 | 0.742 | 2.479 | 379.0 | 25.0 |
| 80 04 23 1145 | | | .3 | 1 | 0.002 | 0.018 | 0.320 | 0.004 | 0.886 | 0.908 | 0.302 | 1.210 | 330.0 | 4.0 |
| 80 05 21 1100 | | | .3 | 1 | 0.001 | 0.006 | 0.400 | 0.006 | 0.589 | 0.601 | 0.394 | 0.995 | 327.0 | 4.0 |
| 80 06 24 1130 | | | .3 | 1 | 0.008 | 0.042 | 0.360 | 0.013 | 0.712 | 0.767 | 0.318 | 1.085 | 331.0 | 7.0 |
| 80 07 08 0900 | | | .3 | 1 | 0.006 | 0.022 | 0.39 | 0.011 | 0.759 | 0.792 | 0.368 | 1.160 | 345 | 13 |
| 80 08 13 1500 | | | .3 | 1 | 0.007 | 0.004 | 0.400 | 0.005 | 0.485 | 0.494 | 0.396 | 0.890 | 352.0 | 4.0 |
| 80 09 24 1440 | | | .3 | 1 | 0.004 | 0.006 | 0.250 | 0.001 | 0.549 | 0.556 | 0.244 | 0.800 | 284.0 | 9.0 |
| 80 10 09 1545 | | | .3 | 1 | 0.013 | 0.240 | 0.36 | 0.034 | 0.269 | 0.543 | 0.120 | 0.663 | 311 | 5 |
| 80 11 18 1540 | | | .3 | 1 | 0.003 | 0.098 | 0.270 | 0.003 | 1.100 | 1.201 | 0.172 | 1.373 | 358.0 | 5.0 |
| 80 12 09 1120 | | | .3 | 1 | 0.021 | 0.034 | 0.780 | 0.007 | 1.690 | 1.731 | 0.746 | 2.477 | 328.0 | 32.0 |
| **MAXIMUM** | | | | | **0.023** | **0.240** | **0.980** | **0.034** | **1.690** | **1.737** | **0.746** | **2.479** | **379.0** | **32.0** |
| **ARITH MEAN** | | | | | **0.009** | **0.069** | **0.43** | **0.010** | **0.933** | **1.012** | **0.366** | **1.378** | **335** | **12** |
| **GEOM MEAN** | | | | | **0.006** | **0.033** | **0.40** | **0.007** | **0.824** | **0.915** | **0.324** | **1.268** | **334** | **9** |
| **MINIMUM** | | | | | **0.001** | **0.004** | **0.250** | **0.001** | **0.269** | **0.494** | **0.120** | **0.663** | **284.0** | **4.0** |
| **STD DEV** | | | | | **0.007** | **0.084** | **0.21** | **0.009** | **0.457** | **0.472** | **0.195** | **0.612** | **25** | **9** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

(CONTD)

| | | |
|---|---|---|
| B.O.W./SITE: **SMITHFIELD CREEK**<br>SAMPLE POINT: **COUNTY ROAD 64 NEAR LOVETT**<br>STATION TYPE: **RIVER FLOW GAUGE MOE 02HD109** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE ONTARIO**<br>TERM STREAM: **SMITHFIELD CREEK** | STATION ID: **06-0152-001-02**<br>STORET CODE: **02**<br>**004**<br>**2760** |
| LAT: LONG: | U.T.M.: **18 0285960.0 4879640.0 4** | REGION: **03** DISTANCE: **0.322** |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH | ASUT | HGUT | ALUT | CRUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/I AS HG | ALUMINUM UNF.TOT MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR |
| 80 01 10 1100 | | | 3 | 1 | 341.0 | 570.0 | 7.10 | 32.000 | 7.91 | 8.0 | | | | |
| 80 02 15 1000 | | | 3 | 1 | | 520.0 | 7.90 | 27.000 | 7.95 | 7.7 | | | | |
| 80 03 13 1015 | | | 3 | 1 | | 650.0 | 9.90 | 73.000 | 7.96 | 7.8 | | | | |
| 80 04 23 1145 | | | 3 | 1 | 326.0 | 500.0 | 1.40 | 30.000 | 8.29 | 8.3 | | | | |
| 80 05 21 1100 | | | 3 | 1 | 323.0 | 495.0 | 2.30 | 27.000 | 8.50 | 8.4 | 0.001< | | 0.100 | 0.020< |
| 80 06 24 1130 | | | 3 | 1 | | 490.0 | 3.00 | 28.000 | 8.39 | 8.5 | | | | |
| 80 07 08 0900 | | | 3 | 1 | 332 | 500 | 5.2 | 35.0 | 8.37 | 8.3 | 0.001< | 0.030< | 0.340 | 0.020< |
| 80 08 13 1500 | | | 3 | 1 | 348.0 | 550.0 | 2.10 | 37.000 | 8.42 | | | | | |
| 80 09 24 1440 | | | 3 | 1 | | 480.0 | 1.40 | 30.500 | 8.45 | 8.4 | | | | |
| 80 10 09 1545 | | | 3 | 1 | 306 | 520 | 1.6 | 32.5 | 8.32 | 8.7 | 0.001< | 0.040< | 0.370 | 0.009 |
| 80 11 18 1540 | | | 3 | 1 | 353.0 | 540.0 | 1.10 | 31.500 | 8.29 | 8.3 | | | | |
| 80 12 09 1120 | | | 3 | 1 | 296.0 | 485.0 | 6.90 | 26.500 | 8.13 | 7.8 | | | | |
| MAXIMUM | | | | | **353.0** | **650.0** | **9.90** | **73.000** | **8.50** | **8.7** | **0.001** | **0.040** | **0.370** | **0.020** |
| ARITH MEAN | | | | | **328** | **525** | **4.1** | **34.1** | **8.25** | **8.2** | **0.001L** | **0.035L** | **0.270** | **0.016L** |
| GEOM MEAN | | | | | **327** | **523** | **3.1** | **32.7** | **8.25** | **8.2** | **0.001L** | **0.035L** | **0.233** | **0.015L** |
| MINIMUM | | | | | **296.0** | **480.0** | **1.10** | **26.500** | **7.91** | **7.7** | **0.001<** | **0.030<** | **0.100** | **0.009<** |
| STD DEV | | | | | **19** | **48** | **3.0** | **12.6** | **0.21** | **0.3** | **0.000L** | **0.007L** | **0.148** | **0.006L** |
| NO OF SAMPLES | | | | | **8** | **12** | **12** | **12** | **12** | **11** | **3** | **2** | **3** | **3** |

| TEST-NAME: | | | | | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 05 21 1100 | | | 3 | 1 | 0.080 | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020< | |
| 80 07 08 0900 | | | 3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020< | 0.010< |
| 80 10 09 1545 | | | 3 | 1 | 0.004 | 0.004 | 0.0002< | 0.004 | 0.010 | 0.002< | 0.010< |
| MAXIMUM | | | | | **0.080** | **0.030** | **0.005** | **0.010** | **0.020** | **0.020** | **0.010** |
| ARITH MEAN | | | | | **0.031L** | **0.021L** | **0.003 L** | **0.008L** | **0.017L** | **0.014L** | **0.010L** |
| GEOM MEAN | | | | | **0.015L** | **0.015L** | **0.001 L** | **0.007L** | **0.016L** | **0.009L** | **0.010L** |
| MINIMUM | | | | | **0.004<** | **0.004<** | **0.0002<** | **0.004<** | **0.010<** | **0.002<** | **0.010<** |
| STD DEV | | | | | **0.042L** | **0.015L** | **0.002 L** | **0.003L** | **0.006L** | **0.010L** | **0.000L** |
| NO OF SAMPLES | | | | | **3** | **3** | **3** | **3** | **3** | **3** | **2** |

| | | |
|---|---|---|
| B.O.W./SITE: **CONSECON CREEK**<br>SAMPLE POINT: **AT MILL DAM CONSECON**<br>STATION TYPE: **RIVER** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE ONTARIO**<br>TERM STREAM: **CONSECON CREEK** | STATION ID: **06-0157-001-02**<br>STORET CODE: **02**<br>**004**<br>**2640** |
| LAT: LONG: | U.T.M.: **18 0297750.0 4874150.0 4** | REGION: **04** DISTANCE: **0.322** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 19 1000 | | | 3 | 1 | 17813 | 6 | 2.0 | 4.0 | 0.024 | 0.002 | 0.010 | 0.570 | 0.006 | 0.050 |
| 80 03 25 1030 | | | 3 | 1 | 17821 | 3.6 | 4.0 | 11.0 | 0.056 | 0.018 | 0.070 | 0.730 | 0.036 | 0.580 |
| 80 04 29 1000 | | | 3 | 1 | 17829 | 6 | 7.0 | 9.0 | 0.018 | 0.004 | 0.020 | 0.590 | 0.002 | 0.020 |
| 80 05 27 1000 | | | 3 | 1 | 17837 | 6 | 16.0 | 10.0 | 0.042 | 0.002 | 0.040 | 1.200 | 0.002 | 0.020< |
| 80 06 24 1010 | | | 3 | 1 | 17845 | 6.8 | 22.0 | 8.0 | 0.026 | 0.002< | 0.050 | 1.150 | 0.004 | 0.020< |
| 80 07 29 1015 | | | 3 | 1 | 17853 | 6.8 | 24.0 | 5.0 | 0.040 | 0.004 | 0.060 | 1.050 | 0.002< | 0.020 |
| 80 09 30 1025 | | | 3 | 1 | 17869 | 6.8 | 14.0 | 9.0 | 0.018 | 0.002 | 0.030 | 0.860 | 0.002 | 0.020< |
| 80 10 28 1030 | | | 3 | 1 | 17877 | 6 | 4.5 | 11.0 | 0.036 | 0.004 | 0.120 | 0.640 | 0.005 | 0.010 |
| 80 11 25 1010 | | | 3 | 1 | 17885 | 6 | 4.0 | 5.0 | 0.014 | 0.002< | 0.010 | 0.550 | 0.004 | 0.020 |
| MAXIMUM | | | | | | | **24.0** | **11.0** | **0.056** | **0.018** | **0.120** | **1.200** | **0.036** | **0.580** |
| ARITH MEAN | | | | | | | **10.8** | **8.0** | **0.030** | **0.004L** | **0.046** | **0.816** | **0.007L** | **0.084L** |
| GEOM MEAN | | | | | | | **7.9** | **7.5** | **0.028** | **0.003L** | **0.034** | **0.781** | **0.004L** | **0.030L** |
| MINIMUM | | | | | | | **2.0** | **4.0** | **0.014** | **0.002<** | **0.010** | **0.550** | **0.002<** | **0.010<** |
| STD DEV | | | | | | | **8.4** | **2.7** | **0.014** | **0.005L** | **0.035** | **0.259** | **0.011L** | **0.186L** |
| NO OF SAMPLES | | | | | | | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 02 19 1000 | | | 3 | 1 | 0.066 | 0.560 | 0.626 | 390.0 | 1.10 |
| 80 03 25 1030 | | | 3 | 1 | 0.686 | 0.660 | 1.346 | 230.0 | 15.00 |
| 80 04 29 1000 | | | 3 | 1 | 0.042 | 0.570 | 0.612 | 295.0 | 1.20 |
| 80 05 27 1000 | | | 3 | 1 | 0.062 | 1.160 | 1.222 | 275.0 | 0.94 |
| 80 06 24 1010 | | | 3 | 1 | 0.074 | 1.100 | 1.174 | 235.0 | 1.40 |
| 80 07 29 1015 | | | 3 | 1 | 0.082 | 0.990 | 1.072 | 240.0 | 0.86 |
| 80 09 30 1025 | | | 3 | 1 | 0.052 | 0.830 | 0.882 | 270.0 | 0.90 |
| 80 10 28 1030 | | | 3 | 1 | 0.135 | 0.520 | 0.655 | 295.0 | 2.00 |
| 80 11 25 1010 | | | 3 | 1 | 0.034 | 0.540 | 0.574 | 315.0 | 0.60 |
| MAXIMUM | | | | | **0.686** | **1.160** | **1.346** | **390.0** | **15.00** |
| ARITH MEAN | | | | | **0.137** | **0.770** | **0.907** | **282.8** | **2.67** |
| GEOM MEAN | | | | | **0.082** | **0.734** | **0.862** | **279.2** | **1.42** |
| MINIMUM | | | | | **0.034** | **0.520** | **0.574** | **230.0** | **0.60** |
| STD DEV | | | | | **0.208** | **0.256** | **0.302** | **49.9** | **4.64** |
| NO OF SAMPLES | | | | | **9** | **9** | **9** | **9** | **9** |

B.O.W./ SITE: **CONSECON CREEK**
SAMPLE POINT: **AT COUNTY ROAD 2 ALLISONVILLE**
STATION TYPE: **RIVER FLOW GAUGE FED 02HE002**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **CONSECON CREEK**

STATION ID: **06-0157-002-02**
STORET CODE: **02**
**004**
**2640**

LAT: LONG: U T M: **18 0310300.0 4877450.0 4** REGION: **04** DISTANCE: **14.001**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 02 19 0930 | | .3 | 1 | 17812 | 4 | 0.097 | 2.0 | 1.0 | | 0.010 | 0.050 | 0.840 | 0.006 |
| 80 03 25 1000 | | .3 | 1 | 17820 | 3 6 | 11.100 | 4.0 | 11.0 | 0.046 | 0.014 | 0.040 | 0.560 | 0.028 |
| 80 04 29 0945 | | .3 | 1 | 17828 | 6 | 2.910 | 7.0 | 6.0 | 0.024 | 0.004 | 0.010 | 0.670 | 0.004 |
| 80 05 27 0945 | | .3 | 1 | 17836 | 6 7 | 0.520 | 18.0 | 7.0 | 0.032 | 0.010 | 0.010 | 1.350 | 0.004 |
| 80 06 24 0945 | | .3 | 1 | 17844 | 7 6 | 0.300 | 23.0 | 7.0 | 0.016 | 0.002< | 0.010 | 0.900 | 0.004 |
| 80 07 29 0945 | | .3 | 1 | 17852 | 7 6 | 4.200 | 25.0 | 5.0 | 0.030 | 0.006 | 0.030 | 0.820 | 0.002< |
| 80 09 30 0955 | | .3 | 1 | 17868 | 7 6 | 0.030 | 14.0 | 8.0 | 0.016 | 0.002 | 0.040 | 0.700 | 0.004 |
| 80 10 28 0955 | | .3 | 1 | 17876 | 6 | 1.060 | 5.0 | 7.0 | 0.094 | 0.008 | 0.010 | 1.150 | 0.004 |
| 80 11 25 0945 | | .3 | 1 | 17884 | 6 | 1.180 | 4.0 | 6.0 | 0.016 | 0.004 | 0.010< | 0.720 | 0.004 |
| MAXIMUM | | | | | | 11.100 | 25.0 | 11.0 | 0.094 | 0.014 | 0.050 | 1.350 | 0.028 |
| ARITH MEAN | | | | | | 2.377 | 11.3 | 6.4 | 0.034 | 0.007L | 0.023L | 0.857 | 0.007L |
| GEOM MEAN | | | | | | 0.752 | 8.2 | 5.6 | 0.028 | 0.006L | 0.018L | 0.828 | 0.005L |
| MINIMUM | | | | | | 0.030 | 2.0 | 1.0 | 0.016 | 0.002< | 0.010< | 0.560 | 0.002< |
| STD DEV | | | | | | 3.559 | 8.9 | 2.7 | 0.026 | 0.004L | 0.017L | 0.260 | 0.008L |
| NO OF SAMPLES | | | | | | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9 |

| TEST-NAME: | | | | NNO3FR | NNTIFR | NNKUR | NNKI | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 02 19 0930 | | .3 | 1 | 0.030 | 0.086 | 0.790 | 0.876 | 540 | 1.40 |
| 80 03 25 1000 | | .3 | 1 | 0.590 | 0.658 | 0.520 | 1.178 | 210.0 | 14.00 |
| 80 04 29 0945 | | .3 | 1 | 0.040 | 0.054 | 0.660 | 0.714 | 315.0 | 2.70 |
| 80 05 27 0945 | | 3 | 1 | 0.020< | 0.034 | 1.340 | 1.374 | 416.0 | 0.72 |
| 80 06 24 0945 | | 3 | 1 | 0.020< | 0.034 | 0.890 | 0.924 | 410.0 | 0.68 |
| 80 07 29 0945 | | 3 | 1 | 0.020< | 0.052 | 0.790 | 0.842 | 440.0 | 0.83 |
| 80 09 30 0955 | | 3 | 1 | 0.020< | 0.064 | 0.660 | 0.724 | 445.0 | 0.60 |
| 80 10 28 0955 | | 3 | 1 | 0.020< | 0.034 | 1.140 | 1.174 | 380.0 | 2.50 |
| 80 11 25 0945 | | 3 | 1 | 0.040 | 0.054 | 0.710 | 0.764 | 435.0 | 0.60 |
| MAXIMUM | | | | 0.590 | 0.658 | 1.340 | 1.374 | 540 | 14.00 |
| ARITH MEAN | | | | 0.089L | 0.119 | 0.833 | 0.952 | 399 | 2.67 |
| GEOM MEAN | | | | 0.038L | 0.065 | 0.801 | 0.928 | 387 | 1.39 |
| MINIMUM | | | | 0.020< | 0.034 | 0.520 | 0.714 | 210.0 | 0.60 |
| STD DEV | | | | 0.188L | 0.203 | 0.258 | 0.235 | 92 | 4.33 |
| NO OF SAMPLES | | | | 9 | 9 | 9 | 9 | 9 | 9 |

B.O.W./ SITE: **CONSECON CREEK**
SAMPLE POINT: **AT HIGHWAY 14**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **CONSECON CREEK**

STATION ID: **06-0157-003-02**
STORET CODE: **02**
**004**
**2640**

LAT: LONG: U T M: **18 0316850.0 4877650.0 4** REGION: **04** DISTANCE: **22.852**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 19 0915 | | 3 | 1 | 17811 | 4 0 | 2.0 | 1.0 | 0.240 | 0.040 | 0.410 | 2.050 | 0.026 | 0.260 |
| 80 03 25 0930 | | 3 | 1 | 17819 | 3 6 | 3.0 | 10.0 | 0.032 | 0.008 | 0.070 | 0.700 | 0.038 | 0.760 |
| 80 04 29 0920 | | 3 | 1 | 17827 | 6 | 7.0 | 4.0 | 0.030 | 0.012 | 0.010 | 1.050 | 0.004 | 0.060 |
| 80 05 27 0930 | | 3 | 1 | 17835 | 6 | 17.0 | 3.0 | 0.052 | 0.022 | 0.020 | 1.400 | 0.008 | 0.030 |
| 80 06 24 0930 | | 3 | 1 | 17843 | 7 | 22.0 | 4.0 | 0.082 | 0.026 | 0.050 | 1.650 | 0.006 | 0.020< |
| 80 07 29 0930 | | 3 | 1 | 17851 | 7 6 | 25.0 | 1.0 | 0.176 | 0.078 | 0.040 | 1.900 | 0.006 | 0.020< |
| 80 09 30 0935 | | 3 | 1 | 17867 | 7 6 | 11.0 | 3.0 | 0.076 | 0.044 | 0.130 | 1.950 | 0.006 | 0.020< |
| 80 10 28 0940 | | 3 | 1 | 17875 | 6 | 4.0 | 5.0 | 0.078 | 0.043 | 0.020 | 0.690 | 0.006 | 0.010< |
| 80 11 25 0920 | | 3 | 1 | 17883 | 6 | 4.0 | 3.0 | 0.034 | 0.024 | 0.010 | 1.200 | 0.004 | 0.140 |
| MAXIMUM | | | | | | 25.0 | 10.0 | 0.240 | 0.078 | 0.410 | 2.050 | 0.038 | 0.760 |
| ARITH MEAN | | | | | | 10.6 | 3.8 | 0.089 | 0.033 | 0.084 | 1.399 | 0.012 | 0.147L |
| GEOM MEAN | | | | | | 7.4 | 3.0 | 0.069 | 0.027 | 0.041 | 1.301 | 0.008 | 0.054L |
| MINIMUM | | | | | | 2.0 | 1.0 | 0.030 | 0.008 | 0.010 | 0.690 | 0.004 | 0.010< |
| STD DEV | | | | | | 8.7 | 2.7 | 0.073 | 0.021 | 0.128 | 0.524 | 0.012 | 0.244L |
| NO OF SAMPLES | | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| TEST-NAME: | | | | NNTIFR | NNKUR | NNKI | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 02 19 0915 | | 3 | 1 | 0.696 | 1.640 | 2.336 | 490.0 | 6.50 |
| 80 03 25 0930 | | 3 | 1 | 0.868 | 0.630 | 1.498 | 265.0 | 7.70 |
| 80 04 29 0920 | | 3 | 1 | 0.074 | 1.040 | 1.114 | 305.0 | 1.20 |
| 80 05 27 0930 | | 3 | 1 | 0.058 | 1.380 | 1.438 | 415.0 | 0.93 |
| 80 06 24 0930 | | 3 | 1 | 0.076 | 1.600 | 1.676 | 430.0 | 1.30 |
| 80 07 29 0930 | | 3 | 1 | 0.066 | 1.860 | 1.926 | 455.0 | 2.10 |
| 80 09 30 0935 | | 3 | 1 | 0.156 | 1.820 | 1.976 | 520.0 | 0.85 |
| 80 10 28 0940 | | 3 | 1 | 0.036 | 0.670 | 0.706 | 375.0 | 2.00 |
| 80 11 25 0920 | | 3 | 1 | 0.154 | 1.190 | 1.344 | 430.0 | 0.60 |
| MAXIMUM | | | | 0.868 | 1.860 | 2.336 | 520.0 | 7.70 |
| ARITH MEAN | | | | 0.243 | 1.314 | 1.557 | 409.4 | 2.68 |
| GEOM MEAN | | | | 0.131 | 1.229 | 1.479 | 401.3 | 1.75 |
| MINIMUM | | | | 0.036 | 0.630 | 0.706 | 265.0 | 0.60 |
| STD DEV | | | | 0.311 | 0.464 | 0.489 | 82.6 | 2.63 |
| NO OF SAMPLES | | | | 9 | 9 | 9 | 9 | 9 |

B O W / SITE: **BLOOMFIELD CREEK**
SAMPLE POINT: **AT CHURCH STREET BLOOMFIELD**
STATION TYPE: **RIVER FLOW GAUGE FED 02HE001**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **BLOOMFIELD CREEK**

STATION ID **06-0163-001-02**
STORET CODE: **02 004 2400**

LAT LONG U T M. **18 0319750.0 4871200.0 4** REGION **04** DISTANCE: **5.954**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 02 19 0900 | | | 3 | 1 | 17810 | 4 | 0 053 | 3 0 | 6.0 | 0 104 | 0 082 | 0 360 | 1 050 | 0 116 |
| 80 03 25 0920 | | | 3 | 1 | 17818 | 3 6 | 0.518 | 5 0 | 10 0 | 0.066 | 0 050 | 0 010 | 0 540 | 0 184 |
| 80 04 29 0910 | | | 3 | 1 | 17826 | 6 | 0 620 | 8 0 | 7 0 | 0 082 | 0 054 | 0 030 | 0 550 | 0 016 |
| 80 05 27 0920 | | | 3 | 1 | 17834 | 6 | 0 066 | 19 0 | 5.0 | 0 240 | 0 134 | 0 100 | 1 100 | 0 074 |
| 80 06 24 0910 | | | 3 | 1 | 17842 | 7 | 0.042 | 24 0 | 5 0 | 0 154 | 0 146 | 0 120 | 0 900 | 0 040 |
| 80 07 29 0920 | | | 3 | 1 | 17850 | 7 | 0.706 | 27 0 | 2 0 | 0 720 | 0 640 | 1 300 | 7 000 | 0 200 |
| 80 09 30 0920 | | | 3 | 1 | 17866 | 5 | 0.040 | 12 0 | 3 0 | 2 600 | 0 060 | 2 900 | 5 500 | 0 002 |
| 80 10 28 0910 | | | 3 | 1 | 17874 | 6 | 0 265 | 5 0 | 2 0 | 0 260 | 0 179 | 0 310 | 0 600 | 0 092 |
| 80 11 25 0905 | | | 3 | 1 | 17882 | 6 | 0 200 | 5 0 | 3 0 | 0 184 | 0 178 | 0 060 | 0 490 | 0 036 |
| MAXIMUM | | | | | | | 0.706 | 27.0 | 10.0 | 2.600 | 0.640 | 2.900 | 7.000 | 0.200 |
| ARITH MEAN | | | | | | | 0.279 | 12.0 | 4.8 | 0.490 | 0.169 | 0.577 | 1.970 | 0.084 |
| GEOM MEAN | | | | | | | 0.160 | 9.1 | 4.2 | 0.231 | 0.120 | 0.185 | 1.149 | 0.048 |
| MINIMUM | | | | | | | 0.040 | 3.0 | 2.0 | 0.066 | 0.050 | 0.010 | 0.490 | 0.002 |
| STD DEV | | | | | | | 0.287 | 9.1 | 2.6 | 0.816 | 0.184 | 0.959 | 2.466 | 0.071 |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| TEST-NAME: | | | | | NNO3FR | NNTIFR | NNKUR | NNKI | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'TY FTU |
| 80 02 19 0900 | | | 3 | 1 | 6 700 | 7 176 | 0 690 | 7 866 | 680 0 | 3 80 |
| 80 03 25 0920 | | | 3 | 1 | 4 000 | 4 194 | 0 530 | 4 724 | 410 0 | 8 20 |
| 80 04 29 0910 | | | 3 | 1 | 1 750 | 1 796 | 0 520 | 2 316 | 465 0 | 1 80 |
| 80 05 27 0920 | | | 3 | 1 | 0 750 | 0 924 | 1 000 | 1 924 | 545 0 | 1 60 |
| 80 06 24 0910 | | | 3 | 1 | 0 360 | 0 520 | 0 780 | 1 300 | 520 0 | 2 30 |
| 80 07 29 0920 | | | 3 | 1 | 0 240 | 1 740 | 5 700 | 7 440 | 630 0 | 2 00 |
| 80 09 30 0920 | | | 3 | 1 | 0 020< | 2 922 | 2 600 | 5 522 | 860 0 | 0 95 |
| 80 10 28 0910 | | | 3 | 1 | 0 190 | 0 592 | 0 290 | 0 882 | 540 0 | 1 40 |
| 80 11 25 0905 | | | 3 | 1 | 2 400 | 2 496 | 0 430 | 2 926 | 600 0 | 0 95 |
| MAXIMUM | | | | | 6.700 | 7.176 | 5.700 | 7.866 | 860.0 | 8.20 |
| ARITH MEAN | | | | | 1.823L | 2.484 | 1.393 | 3.878 | 583.3 | 2.56 |
| GEOM MEAN | | | | | 0.671L | 1.787 | 0.866 | 3.050 | 571.0 | 2.00 |
| MINIMUM | | | | | 0.020< | 0.520 | 0.290 | 0.882 | 410.0 | 0.95 |
| STD DEV | | | | | 2.262L | 2.122 | 1.767 | 2.617 | 132.2 | 2.28 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 |

B O W / SITE: **BLACK RIVER**
SAMPLE POINT: **AT COUNTY ROAD 17**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **BLACK RIVER**

STATION ID **06-0172-001-02**
STORET CODE: **02 004 2010**

LAT LONG U T M **18 0332300.0 4866500.0 4** REGION **04** DISTANCE **7.725**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 19 0830 | | | 3 | 1 | 17809 | 4 | 2 0 | 8 0 | 0 044 | 0 002 | 0 030 | 0 510 | 0 008 | 0 190 |
| 80 03 25 0845 | | | 3 | 1 | 17817 | 3 6 | 4 0 | 13 0 | 0 024 | 0 012 | 0 030 | 0 360 | 0 014 | 0 450 |
| 80 04 29 0835 | | | 3 | 1 | 17825 | 6 8 | 7 0 | 8 0 | 0 022 | 0 004 | 0 020 | 0 370 | 0 002 | 0 020 |
| 80 05 27 0845 | | | 3 | 1 | 17833 | 6 8 | 18 0 | 9 0 | 0 034 | 0 006 | 0 050 | 0 640 | 0 002 | 0 020< |
| 80 06 24 0830 | | | 3 | 1 | 17841 | 5 | 21 0 | 13 0 | 0 040 | 0 002< | 0 070 | 1 050 | 0 004 | 0 020< |
| 80 07 29 0845 | | | 3 | 1 | 17849 | 6 8 | 24 0 | 7 0 | 0 050 | 0 006 | 0 080 | 0 760 | 0 002 | 0 020 |
| 80 09 30 0850 | | | 3 | 1 | 17865 | 5 | 15 0 | 8.0 | 0 044 | 0 004 | 0 050 | 0 800 | 0 002 | 0 020< |
| 80 10 28 0845 | | | 3 | 1 | 17873 | 6 | 6.0 | 8 0 | 0 052 | 0 026 | 0 060 | 0 390 | 0 004 | 0 120 |
| 80 11 25 0835 | | | 3 | 1 | 17881 | 6 | 3 0 | 11 0 | 0 010 | 0 002 | 0 010 | 0 300 | 0 002 | 0 060 |
| MAXIMUM | | | | | | | 24.0 | 13.0 | 0.052 | 0.026 | 0.080 | 1.050 | 0.014 | 0.450 |
| ARITH MEAN | | | | | | | 11.1 | 9.4 | 0.036 | 0.007L | 0.044 | 0.576 | 0.004 | 0.102L |
| GEOM MEAN | | | | | | | 8.0 | 9.2 | 0.032 | 0.005L | 0.038 | 0.529 | 0.003 | 0.050L |
| MINIMUM | | | | | | | 2.0 | 7.0 | 0.010 | 0.002< | 0.010 | 0.300 | 0.002 | 0.020< |
| STD DEV | | | | | | | 8.4 | 2.3 | 0.014 | 0.008L | 0.024 | 0.254 | 0.004 | 0.143L |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT 25C UMHO/CM AT 25 C | TURB'TY FTU |
| 80 02 19 0830 | | | 3 | 1 | 0 228 | 0 480 | 0 708 | 530 0 | 2 50 |
| 80 03 25 0845 | | | 3 | 1 | 0 494 | 0 330 | 0 824 | 225 0 | 4 00 |
| 80 04 29 0835 | | | 3 | 1 | 0 042 | 0 350 | 0 392 | 375 0 | 2 80 |
| 80 05 27 0845 | | | 3 | 1 | 0 072 | 0 590 | 0 662 | 430 0 | 1 60 |
| 80 06 24 0830 | | | 3 | 1 | 0 094 | 0 980 | 1 074 | 355 0 | 6 70 |
| 80 07 29 0845 | | | 3 | 1 | 0 102 | 0 680 | 0 782 | 300 0 | 2 00 |
| 80 09 30 0850 | | | 3 | 1 | 0 072 | 0 750 | 0 822 | 420 0 | 1 50 |
| 80 10 28 0845 | | | 3 | 1 | 0 184 | 0 330 | 0 514 | 390 0 | 2 20 |
| 80 11 25 0835 | | | 3 | 1 | 0 072 | 0 290 | 0 362 | 480 0 | 0 65 |
| MAXIMUM | | | | | 0.494 | 0.980 | 1.074 | 530.0 | 6.70 |
| ARITH MEAN | | | | | 0.151 | 0.531 | 0.682 | 389.4 | 2.66 |
| GEOM MEAN | | | | | 0.113 | 0.488 | 0.646 | 378.9 | 2.22 |
| MINIMUM | | | | | 0.042 | 0.290 | 0.362 | 225.0 | 0.65 |
| STD DEV | | | | | 0.142 | 0.237 | 0.229 | 91.5 | 1.78 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 |

B.O.W./SITE: **MILLHAVEN CREEK**
SAMPLE POINT: **FIRST CONCESSION ROAD SOUTH OF ODESSA**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **MILLHAVEN CREEK**

STATION ID: **06-0180-004-02**
STORET CODE: **02**
**004**
**0080**

LAT: LONG: U.T.M.: **18 0362110.0 4902175.0 4** REGION: **04** DISTANCE: **6.437**

| TEST-NAME: | | | | | SAMPLE | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT MG/L AS N |
| 80 01 07 0855 | | | 3 | 1 | 18502 | | | 1.0 | 9.0 | 0.9 | 0.008 | 0.002 | 0.020 | 0.350 |
| 80 02 04 1050 | | | 3 | 1 | 18518 | | | 1.0 | 14.0 | 1.0 | 0.024 | 0.004 | 0.020 | 0.510 |
| 80 03 03 1100 | | | 3 | 1 | 18528 | | | 1.0 | 11.0 | 0.7 | 0.042 | 0.018 | 0.540 | 0.790 |
| 80 04 01 1100 | | | 3 | 1 | 18609 | 4< | | 5.0 | 11.0 | 1.5 | 0.028 | 0.006 | 0.010< | 0.370 |
| 80 05 05 0910 | | | 3 | 1 | 18537 | 16 | 24 | 14.0 | 6.0 | 0.5 | 0.022 | 0.002 | 0.020 | 0.430 |
| 80 06 02 0830 | | | 3 | 1 | 18546 | 264 | 720 | 17.0 | 6.0 | 0.8 | 0.034 | 0.016 | 0.030 | 0.640 |
| 80 07 08 0825 | | | 3 | 1 | 18555 | 168 | 1760 | 20.0 | 6.0 | 1.6 | 0.096 | 0.052 | 0.16 | 1.05 |
| 80 08 05 0830 | | | 3 | 1 | 18564 | 220 | 236 | 22.0 | 5.0 | 0.8 | 0.102 | 0.044 | 0.040 | 0.770 |
| 80 09 02 0840 | | | 3 | 1 | 18573 | 44 | 660 | 23.0 | 3.0 | 1.0 | 0.066 | 0.034 | 0.060 | 1.000 |
| 80 10 07 0900 | | | 3 | 1 | 18582 | | | 10.0 | 8.0 | 0.8 | 0.008 | 0.002 | 0.020 | 0.400 |
| 80 11 04 0855 | | | 3 | 1 | 18591 | 8 | 24 | 6.0 | 4.0 | 0.1< | 0.024 | 0.006 | 0.010 | 0.470 |
| 80 12 02 0900 | | | 3 | 1 | 18600 | 12 | 44 | 2.0 | 4.0 | 0.3 | 0.020 | 0.010 | 0.020 | 0.580 |
| MAXIMUM | | | | | | 264 | 1760 | 23.0 | 14.0 | 1.6 | 0.102 | 0.052 | 0.540 | 1.05 |
| ARITH MEAN | | | | | | 92L | 495 | 10.2 | 7.2 | 0.8L | 0.039 | 0.016 | 0.07 L | 0.61 |
| GEOM MEAN | | | | | | 36L | 178 | 5.8 | 6.6 | 0.7L | 0.029 | 0.009 | 0.03 L | 0.57 |
| MINIMUM | | | | | | 4< | 24 | 1.0 | 3.0 | 0.1< | 0.008 | 0.002 | 0.010< | 0.350 |
| STD DEV | | | | | | 108L | 631 | 8.7 | 3.4 | 0.4L | 0.032 | 0.018 | 0.15 L | 0.24 |
| NO OF SAMPLES | | | | | | 8 | 7 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 01 07 0855 | | | 3 | 1 | 0.002 | 0.280 | 0.302 | 0.330 | 0.632 | 1.0 | 257.000 | 395.0 | 1.00 | 13.000 |
| 80 02 04 1050 | | | 3 | 1 | 0.004 | 0.180 | 0.204 | 0.490 | 0.694 | 3.5 | 283.000 | 435.0 | 1.30 | 15.000 |
| 80 03 03 1100 | | | 3 | 1 | 0.046 | 0.130 | 0.716 | 0.250 | 0.966 | | | 540.0 | 2.80 | 20.000 |
| 80 04 01 1100 | | | 3 | 1 | 0.006 | 0.190 | 0.206 | 0.360 | 0.566 | | | 235.0 | 1.80 | 9.500 |
| 80 05 05 0910 | | | 3 | 1 | 0.002 | 0.020 | 0.042 | 0.410 | 0.452 | | | 315.0 | 0.70 | 9.500 |
| 80 06 02 0830 | | | 3 | 1 | 0.004 | 0.140 | 0.174 | 0.610 | 0.784 | | | 305.0 | 1.20 | 20.000 |
| 80 07 08 0825 | | | 3 | 1 | 0.036 | 0.50 | 0.696 | 0.890 | 1.586 | | | 290 | 1.5 | 12.5 |
| 80 08 05 0830 | | | 3 | 1 | 0.010 | 0.090 | 0.140 | 0.730 | 0.870 | | | 355.0 | 1.50 | 17.500 |
| 80 09 02 0840 | | | 3 | 1 | 0.010 | 0.110 | 0.180 | 0.940 | 1.120 | | | 325.0 | 1.80 | 15.000 |
| 80 10 07 0900 | | | 3 | 1 | 0.006 | 0.070 | 0.096 | 0.380 | 0.476 | | | 325.0 | 0.60 | 13.000 |
| 80 11 04 0855 | | | 3 | 1 | 0.006 | 0.050 | 0.066 | 0.460 | 0.526 | | | 245.0 | 1.50 | 13.000 |
| 80 12 02 0900 | | | 3 | 1 | 0.004 | 0.100 | 0.124 | 0.560 | 0.684 | | | 380.0 | 0.80 | 13.000 |
| MAXIMUM | | | | | 0.046 | 0.50 | 0.716 | 0.940 | 1.586 | 3.5 | 283.000 | 540.0 | 2.80 | 20.000 |
| ARITH MEAN | | | | | 0.011 | 0.16 | 0.246 | 0.534 | 0.780 | 2.2 | 270.000 | 346 | 1.3 | 14.2 |
| GEOM MEAN | | | | | 0.007 | 0.11 | 0.177 | 0.498 | 0.729 | 1.9 | 269.687 | 336 | 1.2 | 13.8 |
| MINIMUM | | | | | 0.002 | 0.020 | 0.042 | 0.250 | 0.452 | 1.0 | 257.000 | 235.0 | 0.60 | 9.500 |
| STD DEV | | | | | 0.014 | 0.12 | 0.226 | 0.221 | 0.324 | 1.8 | 18.385 | 84 | 0.6 | 3.4 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 2 | 2 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PH |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH |
| 80 11 04 0855 | | | 3 | 1 | 8.00 |
| 80 12 02 0900 | | | 3 | 1 | 8.00 |
| MAXIMUM | | | | | 8.00 |
| ARITH MEAN | | | | | 8.00 |
| GEOM MEAN | | | | | 8.00 |
| MINIMUM | | | | | 8.00 |
| STD DEV | | | | | 0.00 |
| NO OF SAMPLES | | | | | 2 |

B.O.W./SITE: **MILLHAVEN CREEK**
SAMPLE POINT: **AT COUNTY ROAD 6**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **MILLHAVEN CREEK**

STATION ID: **06-0180-005-02**
STORET CODE: **02**
**004**
**0080**

LAT: LONG: U.T.M.: **18 0363020.0 4904800.0 4** REGION: **04** DISTANCE: **10.782**

| TEST-NAME: | | | | | SAMPLE | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 01 07 0835 | | | 3 | 1 | 18501 | 1.0 | 11.0 | 0.7 | 0.008 | 0.002< | 0.020 | 0.380 | 0.004 | 0.220 |
| 80 02 04 1030 | | | 3 | 1 | 18517 | 0.0 | 8.0 | 1.3 | 0.022 | 0.002< | 0.050 | 0.700 | 0.004 | 0.120 |
| 80 03 03 1040 | | | 3 | 1 | 18527 | 2.0 | 7.0 | | 0.020 | 0.002< | 0.330 | 1.350 | 0.010 | 0.030 |
| 80 04 01 1030 | | | 3 | 1 | 18608 | 5.0 | 9.0 | | 0.026 | 0.004 | 0.010< | 0.560 | 0.006 | 0.190 |
| 80 05 05 0935 | | | 3 | 1 | 18536 | 14.0 | 5.0 | | 0.022 | 0.002 | 0.020 | 0.470 | 0.002 | 0.020< |
| 80 06 02 0820 | | | 3 | 1 | 18545 | 17.0 | 5.0 | | 0.024 | 0.006 | 0.030 | 0.620 | 0.002 | 0.020< |
| 80 07 08 0845 | | | 3 | 1 | 18554 | 20.0 | 7.0 | | 0.008 | 0.004 | 0.080 | 0.600 | 0.002 | 0.020< |
| 80 08 05 0850 | | | 3 | 1 | 18563 | 23.0 | 5.0 | | 0.032 | 0.004 | 0.070 | 1.140 | 0.002< | 0.020< |
| 80 09 02 0905 | | | 3 | 1 | 18572 | 23.0 | 2.0 | | 0.016 | 0.002< | 0.050 | 0.710 | 0.002 | 0.020< |
| 80 10 07 0925 | | | 3 | 1 | 18581 | 10.0 | 3.0 | | 0.022 | 0.002 | 0.050 | 0.830 | 0.006 | 0.020< |
| 80 11 04 0820 | | | 3 | 1 | 18590 | 6.0 | 4.0 | | 0.016 | 0.002< | 0.050 | 0.520 | 0.006 | 0.020 |
| 80 12 02 0825 | | | 3 | 1 | 18599 | 3.0 | 4.0 | | 0.020 | 0.010 | 0.050 | 0.340 | 0.004 | 0.080 |
| MAXIMUM | | | | | | 23.0 | 11.0 | 1.3 | 0.032 | 0.010 | 0.330 | 1.350 | 0.010 | 0.220 |
| ARITH MEAN | | | | | | 10.3 | 5.8 | 1.0 | 0.020 | 0.003L | 0.067L | 0.685 | 0.004L | 0.068L |
| GEOM MEAN | | | | | | 6.4 | 5.3 | 1.0 | 0.018 | 0.003L | 0.046L | 0.633 | 0.004L | 0.040L |
| MINIMUM | | | | | | 0.0 | 2.0 | 0.7 | 0.008 | 0.002< | 0.010< | 0.340 | 0.002< | 0.020< |
| STD DEV | | | | | | 8.7 | 2.6 | 0.4 | 0.007 | 0.002L | 0.086L | 0.299 | 0.003L | 0.073L |
| NO OF SAMPLES | | | | | | 12 | 12 | 2 | 12 | 12 | 12 | 12 | 12 | 12 |

(CONTD)

B.O.W./SITE: **MILLHAVEN CREEK**
SAMPLE POINT: **AT COUNTY ROAD 6**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **MILLHAVEN CREEK**

STATION ID: **06-0180-005-02**
STORET CODE: **02**
**004**
**0080**

LAT: LONG: U.T.M.: **18 0363020.0 4904800.0 4** REGION: **04** DISTANCE: **10.782**

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 07 0835 | | | 3 | 1 | 0.244 | 0.360 | 0.604 | 1.0 | 254.000 | 390.0 | 0.79 | 12.000 | |
| 80 02 04 1030 | | | 3 | 1 | 0.174 | 0.650 | 0.824 | 3.2 | 286.000 | 440.0 | 0.95 | 16.000 | |
| 80 03 03 1040 | | | 3 | 1 | 0.370 | 1.020 | 1.390 | | | 510.0 | 1.00 | | |
| 80 04 01 1030 | | | 3 | 1 | 0.206 | 0.550 | 0.756 | | | 240.0 | 1.20 | | |
| 80 05 05 0935 | | | 3 | 1 | 0.042 | 0.450 | 0.492 | | | 310.0 | 0.70 | | |
| 80 06 02 0820 | | | 3 | 1 | 0.052 | 0.590 | 0.642 | | | 300.0 | 0.82 | | |
| 80 07 08 0845 | | | 3 | 1 | 0.102 | 0.520 | 0.622 | | | 210.0 | 0.75 | | |
| 80 08 05 0850 | | | 3 | 1 | 0.092 | 1.070 | 1.162 | | | 260.0 | 8.40 | | |
| 80 09 02 0905 | | | 3 | 1 | 0.072 | 0.660 | 0.732 | | | 300.0 | 2.00 | | |
| 80 10 07 0925 | | | 3 | 1 | 0.076 | 0.780 | 0.856 | | | 315.0 | 0.60 | | |
| 80 11 04 0920 | | | 3 | 1 | 0.076 | 0.470 | 0.546 | | | 335.0 | 1.20 | | 8.00 |
| 80 12 02 0925 | | | 3 | 1 | 0.134 | 0.290 | 0.424 | | | 375.0 | 0.70 | | 8.00 |
| MAXIMUM | | | | | 0.370 | 1.070 | 1.390 | 3.2 | 286.000 | 510.0 | 8.40 | 16.000 | 8.00 |
| ARITH MEAN | | | | | 0.137 | 0.617 | 0.754 | 2.1 | 270.000 | 332.1 | 1.59 | 14.000 | 8.00 |
| GEOM MEAN | | | | | 0.112 | 0.577 | 0.713 | 1.8 | 269.525 | 322.5 | 1.10 | 13.856 | 8.00 |
| MINIMUM | | | | | 0.042 | 0.290 | 0.424 | 1.0 | 254.000 | 210.0 | 0.60 | 12.000 | 8.00 |
| STD DEV | | | | | 0.097 | 0.240 | 0.280 | 1.6 | 22.627 | 85.2 | 2.18 | 2.828 | 0.00 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 2 | 2 | 12 | 12 | 2 | 2 |

B.O.W./SITE: **HAVILLAND BAY (WHITEFISH BAY)**
SAMPLE POINT: **NEAR M.N.R. CAMP GROUNDS**
STATION TYPE: **LAKE**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**

STATION ID: **07-0000-001-01**
STORET CODE: **02**
**001**

LAT: LONG: U.T.M.: **16 0697850.0 5187900.0 4** REGION: **05**

| TEST-NAME: | | | | | SAMPLE | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L |
| 80 06 22 1645 | | | 3 | 1 | 14078 | 21.0 | 9.0 | 0.029 | 0.002 | 0.080 | 0.510 | 0.004 | 0.181 | 0.265 |
| 80 09 07 0920 | | | 3 | 1 | 14104 | 15.0 | 10.0 | 0.004 | 0.001 | 0.018 | 0.160 | 0.003 | 0.187 | 0.208 |
| MAXIMUM | | | | | | 21.0 | 10.0 | 0.029 | 0.002 | 0.080 | 0.510 | 0.004 | 0.187 | 0.265 |
| ARITH MEAN | | | | | | 18.0 | 9.5 | 0.016 | 0.001 | 0.049 | 0.335 | 0.003 | 0.184 | 0.236 |
| GEOM MEAN | | | | | | 17.7 | 9.5 | 0.011 | 0.001 | 0.038 | 0.286 | 0.003 | 0.184 | 0.235 |
| MINIMUM | | | | | | 15.0 | 9.0 | 0.004 | 0.001 | 0.018 | 0.160 | 0.003 | 0.181 | 0.208 |
| STD DEV | | | | | | 4.2 | 0.7 | 0.018 | 0.001 | 0.044 | 0.247 | 0.001 | 0.004 | 0.040 |
| NO OF SAMPLES | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 06 22 1645 | | | 3 | 1 | 0.430 | 0.695 | 83.0 | 11.0 | 72.000 | 110.0 | 1.50 | 7.500 | 7.51 |
| 80 09 07 0920 | | | 3 | 1 | 0.142 | 0.350 | 67.00 | 0.70 | 66.000 | 102.0 | 1.00 | 2.250 | 7.55 |
| MAXIMUM | | | | | 0.430 | 0.695 | 83.0 | 11.0 | 72.000 | 110.0 | 1.50 | 7.500 | 7.55 |
| ARITH MEAN | | | | | 0.286 | 0.522 | 75.0 | 5.8 | 69.000 | 106.0 | 1.25 | 4.875 | 7.53 |
| GEOM MEAN | | | | | 0.247 | 0.493 | 74.5 | 2.7 | 68.935 | 105.9 | 1.22 | 4.108 | 7.53 |
| MINIMUM | | | | | 0.142 | 0.350 | 67.00 | 0.70 | 66.000 | 102.0 | 1.00 | 2.250 | 7.51 |
| STD DEV | | | | | 0.204 | 0.244 | 11.3 | 7.2 | 4.243 | 5.7 | 0.35 | 3.712 | 0.03 |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

B.O.W./SITE: **GOULAIS RIVER**
SAMPLE POINT: **AT BRIDGE GOULAIS RIVER**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **GOULAIS RIVER**

STATION ID: **07-0009-003-02**
STORET CODE: **02**
**001**
**0080**

LAT: LONG: U.T.M.: **16 0700025.0 5177600.0 4** REGION: **05** DISTANCE: **12.231**

| TEST-NAME: | | | | | SAMPLE | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L |
| 80 01 06 1330 | | | 3 | 1 | 14006 | 0.0 | 12.0 | 0.008 | 0.002 | 0.020 | 0.260 | 0.001 | 0.324 | 0.345 |
| 80 02 17 0750 | | | 3 | 1 | 14021 | 0.0 | 12.0 | | | | | | | |
| 80 03 30 1530 | | | 3 | 1 | 14037 | 0.0 | 10.0 | 0.022 | 0.002 | 0.054 | 0.520 | 0.003 | 0.351 | 0.408 |
| 80 06 22 1630 | | | 3 | 1 | 14077 | 21.0 | 10.0 | 0.011 | 0.003 | 0.026 | 0.290 | 0.002 | 0.138 | 0.166 |
| 80 08 07 0915 | | | 3 | 1 | 14088 | 23.0 | 9.0 | 0.026 | 0.001 | 0.174 | 0.780 | 0.003 | 0.152 | 0.329 |
| 80 09 07 0900 | | | 3 | 1 | 14103 | 16.0 | 9.0 | 0.005 | 0.003 | 0.020 | 0.160 | 0.003 | 0.092 | 0.115 |
| 80 10 25 1440 | | | 3 | 1 | 14115 | 5.0 | 10.0 | 0.018 | 0.001< | 0.140 | 0.400 | 0.004 | 0.151 | 0.295 |
| MAXIMUM | | | | | | 23.0 | 12.0 | 0.026 | 0.003 | 0.174 | 0.780 | 0.004 | 0.351 | 0.408 |
| ARITH MEAN | | | | | | 9.3 | 10.3 | 0.015 | 0.002L | 0.072 | 0.402 | 0.003 | 0.201 | 0.276 |
| GEOM MEAN | | | | | | 4.5 | 10.2 | 0.013 | 0.002L | 0.049 | 0.354 | 0.002 | 0.179 | 0.253 |
| MINIMUM | | | | | | 0.0 | 9.0 | 0.005 | 0.001< | 0.020 | 0.160 | 0.001 | 0.092 | 0.115 |
| STD DEV | | | | | | 10.4 | 1.3 | 0.008 | 0.001L | 0.066 | 0.223 | 0.001 | 0.108 | 0.113 |
| NO OF SAMPLES | | | | | | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

(CONTD)

| TEST-NAME: | | | | | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | ACDT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 |
| 80 01 06 1330 | | | .3 | 1 | 0.240 | 0.585 | 48.00 | 2.00 | 46.000 | 70.0 | 2.50 | 1.650 | 9.500 | 3.400 |
| 80 03 30 1530 | | | .3 | 1 | 0.466 | 0.874 | 63.00 | 16.00 | 47.000 | 73.0 | 6.70 | 2.650 | 7.500 | 5.130 |
| 80 06 22 1630 | | | .3 | 1 | 0.264 | 0.430 | 9.00 | | 36.000 | 55.0 | 3.00 | 1.250 | 7.500 | 1.240 |
| 80 08 07 0915 | | | .3 | 1 | 0.606 | 0.935 | 64.00 | | 52.000 | 80.0 | 4.70 | 2.600 | 7.500 | |
| 80 09 07 0900 | | | .3 | 1 | 0.140 | 0.255 | 55.00 | | 52.000 | 80.0 | 1.80 | 1.800 | 7.500 | |
| 80 10 25 1440 | | | .3 | 1 | 0.260 | 0.555 | 42.00 | | 36.000 | 56.0 | 2.50 | 2.000 | 8.000 | 2.570 |
| MAXIMUM | | | | | 0.606 | 0.935 | 64.00 | 16.00 | 52.000 | 80.0 | 6.70 | 2.650 | 9.500 | 5.130 |
| ARITH MEAN | | | | | 0.329 | 0.606 | 46.83 | 9.00 | 44.833 | 69.0 | 3.53 | 1.992 | 7.917 | 3.086 |
| GEOM MEAN | | | | | 0.294 | 0.566 | 39.88 | 5.66 | 44.318 | 68.2 | 3.19 | 1.927 | 7.888 | 2.730 |
| MINIMUM | | | | | 0.140 | 0.255 | 9.00 | 2.00 | 36.000 | 55.0 | 1.80 | 1.250 | 7.500 | 1.240 |
| STD DEV | | | | | 0.172 | 0.260 | 20.39 | 9.90 | 7.278 | 11.2 | 1.83 | 0.549 | 0.801 | 1.628 |
| NO OF SAMPLES | | | | | 6 | 6 | 6 | 2 | 6 | 6 | 6 | 6 | 6 | 4 |

| TEST-NAME: | | | | | ALKT | PH | FEUT | CAUR | MGUR | COLAP | NAUR | ALUT | CUUT | PBUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ALK TOTAL MG/L AS CACO3 | PH | IRON UNF.TOT. MG/L AS FE | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | SODIUM UNF.REAC MG/L AS NA | ALUMINUM UNF.TOT MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT MG/L AS PB |
| 80 01 06 1330 | | | .3 | 1 | 20 | 6.99 | 0.310 | 8.000 | 1.550 | 35.000 | 1.700 | 0.170 | 0.010< | 0.030< |
| 80 02 17 0750 | | | .3 | 1 | | | | | | | | 0.130 | 0.010< | 0.030< |
| 80 03 30 1530 | | | .3 | 1 | 22.0 | 6.98 | 0.690 | 8.200 | 1.400 | 31.000 | 2.400 | | | |
| 80 06 22 1630 | | | .3 | 1 | 17.0 | 7.43 | | 6.400 | 1.100 | 28.000 | 1.300 | 0.420 | 0.010< | 0.030< |
| 80 08 07 0915 | | | .3 | 1 | 27.0 | 6.96 | 0.500 | 8.000 | 1.700 | 10.000 | 3.100 | 0.054 | | 0.001< |
| 80 09 07 0900 | | | .3 | 1 | 30.0 | 7.30 | 0.310 | 9.400 | 2.100 | 15.000 | 2.100 | 0.110 | 0.001 | 0.003< |
| 80 10 25 1440 | | | .3 | 1 | 16.0 | 6.98 | 0.320 | 5.200 | 1.250 | 43.000 | 1.900 | 0.24 | 0.003 | 0.003< |
| MAXIMUM | | | | | 30.0 | 7.43 | 0.690 | 9.400 | 2.100 | 43.000 | 3.100 | 0.420 | 0.010 | 0.030 |
| ARITH MEAN | | | | | 22 | 7.11 | 0.426 | 7.533 | 1.517 | 27.000 | 2.083 | 0.18 | 0.007L | 0.016L |
| GEOM MEAN | | | | | 21 | 7.10 | 0.403 | 7.400 | 1.483 | 24.100 | 2.008 | 0.15 | 0.006L | 0.006L |
| MINIMUM | | | | | 16.0 | 6.96 | 0.310 | 5.200 | 1.100 | 10.000 | 1.300 | 0.054 | 0.001< | 0.001< |
| STD DEV | | | | | 5 | 0.20 | 0.168 | 1.490 | 0.356 | 12.410 | 0.621 | 0.13 | 0.004L | 0.015L |
| NO OF SAMPLES | | | | | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 5 | 6 |

| TEST-NAME: | | | | | CDUT | ZNUT | MNUT | NIUT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI |
| 80 01 06 1330 | | | .3 | 1 | | 0.010< | 0.023 | 0.020 |
| 80 02 17 0750 | | | .3 | 1 | | 0.010< | | 0.020 |
| 80 03 30 1530 | | | .3 | 1 | | | 0.031 | |
| 80 06 22 1630 | | | .3 | 1 | | 0.010< | 0.370 | 0.020< |
| 80 08 07 0915 | | | .3 | 1 | 0.005 | 0.001< | 0.103 | 0.002< |
| 80 09 07 0900 | | | .3 | 1 | | 0.001< | 0.048 | 0.002< |
| 80 10 25 1440 | | | .3 | 1 | | 0.009 | 0.024 | 0.002< |
| MAXIMUM | | | | | 0.005 | 0.010 | 0.370 | 0.020 |
| ARITH MEAN | | | | | 0.005 | 0.007L | 0.100 | 0.011L |
| GEOM MEAN | | | | | | 0.006L | 0.066 | 0.006L |
| MINIMUM | | | | | 0.005 | 0.001< | 0.023 | 0.002< |
| STD DEV | | | | | | 0.006L | 0.136 | 0.010L |
| NO OF SAMPLES | | | | | 1 | 6 | 6 | 6 |

B.O.W / SITE: **HARMONY RIVER**
SAMPLE POINT: **HIGHWAY 17 CHIPPEWA FALLS**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **HARMONY RIVER**

STATION ID: **07-0028-001-02**
STORET CODE: **02**
**001**
**0260**

LAT
LONG
U.T.M: **16 0695950.0 5200375.0 4**
REGION: **05**
DISTANCE: **0.805**

| TEST-NAME: | | | | | SAMPLE | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L |
| 80 01 06 1405 | | | .3 | 1 | 14007 | 0.0 | 12.0 | 0.005 | 0.001 | 0.026 | 0.220 | | 0.368 | |
| 80 02 17 0830 | | | .3 | 1 | 14022 | 0.0 | 13.0 | 0.141 | 0.058 | 0.040 | 0.200 | | 0.373 | |
| 80 03 30 1600 | | | .3 | 1 | 14038 | 0.0 | 12.0 | 0.041 | 0.002 | 0.074 | 0.370 | 0.003 | 0.414 | 0.491 |
| 80 06 22 1710 | | | .3 | 1 | 14079 | 17.0 | 11.0 | 0.006 | 0.001 | 0.014 | 0.240 | 0.002 | 0.158 | 0.174 |
| 80 08 07 0945 | | | .3 | 1 | 14089 | 19.0 | 11.0 | 0.005 | 0.001 | 0.018 | 0.170 | | 0.203 | |
| 80 09 07 0940 | | | .3 | 1 | 14105 | 15.0 | 12.0 | 0.004 | 0.002 | 0.008 | 0.140 | 0.002 | 0.168 | 0.178 |
| 80 10 25 1515 | | | .3 | 1 | 14116 | 5.0 | 11.0 | 0.011 | 0.001< | 0.014 | 0.270 | 0.003 | 0.177 | 0.194 |
| MAXIMUM | | | | | | 19.0 | 13.0 | 0.141 | 0.058 | 0.074 | 0.370 | 0.003 | 0.414 | 0.491 |
| ARITH MEAN | | | | | | 8.0 | 11.7 | 0.030 | 0.008L | 0.028 | 0.230 | 0.002 | 0.286 | 0.259 |
| GEOM MEAN | | | | | | 4.2 | 11.7 | 0.012 | 0.002L | 0.022 | 0.220 | 0.002 | 0.246 | 0.233 |
| MINIMUM | | | | | | 0.0 | 11.0 | 0.004 | 0.001< | 0.008 | 0.140 | 0.002 | 0.158 | 0.174 |
| STD DEV | | | | | | 8.7 | 0.8 | 0.051 | 0.021L | 0.023 | 0.078 | 0.001 | 0.113 | 0.156 |
| NO OF SAMPLES | | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 4 |

| TEST-NAME: | | | | | NNKUR | NNKI | RSP | RSF | COND25 | TURB | CLIDUR | ACDT | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH |
| 80 01 06 1405 | | | .3 | 1 | 0.194 | | 3.00 | 42.000 | 64.0 | 2.30 | 0.650 | 2.190 | 19 | 7.09 |
| 80 02 17 0830 | | | .3 | 1 | 0.160 | | 2.00 | 42.000 | 64.0 | 1.60 | 0.750 | | 20 | 7.40 |
| 80 03 30 1600 | | | .3 | 1 | 0.296 | 0.787 | 7.00 | 36.000 | 55.0 | 6.80 | 0.900 | 2.720 | 20.0 | 7.29 |
| 80 06 22 1710 | | | .3 | 1 | 0.226 | 0.400 | 3.00 | 31.000 | 48.0 | 1.70 | 0.400 | 1.060 | 16.0 | 7.42 |
| 80 08 07 0945 | | | .3 | 1 | 0.152 | | 2.00 | 42.000 | 65.0 | 1.30 | 0.650 | | 22.0 | 7.94 |
| 80 09 07 0940 | | | .3 | 1 | 0.132 | 0.310 | 1.00 | 42.000 | 65.0 | 1.00 | 0.700 | | 24.0 | 7.76 |
| 80 10 25 1515 | | | .3 | 1 | 0.256 | 0.450 | 4.00 | 33.000 | 50.0 | 1.50 | 0.900 | 1.580 | 17.0 | 7.24 |
| MAXIMUM | | | | | 0.296 | 0.787 | 7.00 | 42.000 | 65.0 | 6.80 | 0.900 | 2.720 | 24.0 | 7.94 |
| ARITH MEAN | | | | | 0.202 | 0.487 | 3.14 | 38.286 | 58.7 | 2.31 | 0.707 | 1.887 | 19 | 7.46 |
| GEOM MEAN | | | | | 0.196 | 0.458 | 2.69 | 38.009 | 58.3 | 1.88 | 0.687 | 1.777 | 19 | 7.44 |
| MINIMUM | | | | | 0.132 | 0.310 | 1.00 | 31.000 | 48.0 | 1.00 | 0.400 | 1.060 | 16.0 | 7.09 |
| STD DEV | | | | | 0.060 | 0.206 | 1.95 | 4.856 | 7.5 | 2.02 | 0.172 | 0.722 | 2 | 0.30 |
| NO OF SAMPLES | | | | | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 |

B.O.W / SITE: **HARMONY RIVER**
SAMPLE POINT: **HIGHWAY 17 CHIPPEWA FALLS**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **HARMONY RIVER**

STATION ID: **07-0028-001-02**
STORET CODE: **02**
**001**
**0290**

LAT:　LONG:　U T M: **16 0695950.0 5200375.0 4**　REGION: **05**　DISTANCE: **0.805**

| TEST-NAME: | | | | | FEUT | CAUR | MGUR | COLAP | KKUR | NAUR | ASUT | ALUT | CUUT | PBUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | IRON UNF.TOT. MG/L AS FE | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB |
| 80 01 06 1405 | | | 3 | 1 | 0.240 | 8.400 | 1.250 | 31.000 | 0.40 | 1.100 | 0.001< | 0.200 | 0.010< | 0.030< |
| 80 02 17 0830 | | | 3 | 1 | 0.200 | 8.000 | 1.100 | 22.000 | | | 0.003 | 0.070 | 0.010< | 0.030< |
| 80 03 30 1600 | | | 3 | 1 | 0.370 | 8.000 | 1.000 | 20.000 | 0.50 | 2.000 | | | | |
| 80 06 22 1710 | | | 3 | 1 | | 7.600 | 0.850 | 21.000 | 0.20 | 0.600 | 0.001< | 0.150 | 0.010< | 0.030< |
| 80 08 07 0945 | | | 3 | 1 | 0.230 | 7.600 | 1.300 | 19.000 | 0.50 | 1.500 | 0.001< | 0.250 | 0.045 | 0.001< |
| 80 09 07 0940 | | | 3 | 1 | 0.180 | 8.400 | 1.500 | 18.000 | 0.45 | 1.700 | 0.001< | 0.067 | 0.001< | 0.003< |
| 80 10 25 1515 | | | 3 | 1 | 0.240 | 5.600 | 1.050 | 37.000 | 0.40 | 1.200 | 0.001< | 0.23 | 0.002 | 0.004 |
| MAXIMUM | | | | | 0.370 | 8.400 | 1.500 | 37.000 | 0.50 | 2.000 | 0.003 | 0.250 | 0.045 | 0.030 |
| ARITH MEAN | | | | | 0.243 | 7.667 | 1.150 | 24.000 | 0.41 | 1.350 | 0.001L | 0.16 | 0.013L | 0.016L |
| GEOM MEAN | | | | | 0.237 | 7.597 | 1.133 | 23.206 | 0.39 | 1.262 | 0.001L | 0.14 | 0.007L | 0.008L |
| MINIMUM | | | | | 0.180 | 5.600 | 0.850 | 18.000 | 0.20 | 0.600 | 0.001< | 0.067 | 0.001< | 0.001< |
| STD DEV | | | | | 0.067 | 0.964 | 0.216 | 7.165 | 0.11 | 0.493 | 0.001L | 0.07 | 0.016L | 0.015L |
| NO OF SAMPLES | | | | | 6 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 |

| TEST-NAME: | | | | | ZNUT | MNUT | NIUT |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI |
| 80 01 06 1405 | | | 3 | 1 | 0.010< | 0.017 | 0.020< |
| 80 02 17 0830 | | | 3 | 1 | 0.010< | 0.019 | 0.020< |
| 80 03 30 1600 | | | 3 | 1 | | 0.021 | |
| 80 06 22 1710 | | | 3 | 1 | 0.010< | 0.190 | 0.020< |
| 80 08 07 0945 | | | 3 | 1 | 0.180 | 0.021 | 0.002< |
| 80 09 07 0940 | | | 3 | 1 | 0.001< | 0.012 | 0.002< |
| 80 10 25 1515 | | | 3 | 1 | 0.003 | 0.028 | 0.002< |
| MAXIMUM | | | | | 0.180 | 0.190 | 0.020 |
| ARITH MEAN | | | | | 0.036L | 0.044 | 0.011L |
| GEOM MEAN | | | | | 0.009L | 0.026 | 0.008L |
| MINIMUM | | | | | 0.001< | 0.012 | 0.002< |
| STD DEV | | | | | 0.071L | 0.065 | 0.010L |
| NO OF SAMPLES | | | | | 6 | 7 | 6 |

B.O.W / SITE: **BATCHAWANA RIVER**
SAMPLE POINT: **AT HIGHWAY 17**
STATION TYPE: **RIVER　FLOW GAUGE FED 02BF001**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE SUPERIOR**
TERM STREAM: **BATCHAWANA RIVER**

STATION ID: **07-0031-001-02**
STORET CODE: **02**
**001**
**0290**

LAT:　LONG:　U T M: **16 0688150.0 5200500.0 4**　REGION: **05**　DISTANCE: **0.322**

| TEST-NAME: | | | | | SAMPLE | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 01 06 1445 | | | 3 | 1 | 14008 | 8.200 | 0.0 | 11.0 | 0.004 | 0.001< | 0.030 | 0.370 | | 0.417 |
| 80 02 17 0850 | | | 3 | 1 | 14023 | 6.300 | 0.0 | 13.0 | 0.005 | 0.003 | 0.046 | 0.180 | | 0.418 |
| 80 03 30 1620 | | | 3 | 1 | 14039 | 6.400 | 0.0 | 12.0 | 0.012 | 0.002 | 0.068 | 0.200 | 0.003 | 0.390 |
| 80 06 22 1800 | | | 3 | 1 | 14080 | 17.200 | 18.0 | 10.0 | 0.005 | 0.001 | 0.018 | 0.260 | 0.002 | 0.158 |
| 80 08 07 1000 | | | 3 | 1 | 14090 | 5.030 | 21.0 | 10.0 | 0.005 | 0.001< | 0.040 | 0.230 | | 0.203 |
| 80 09 07 1000 | | | 3 | 1 | 14106 | 5.310 | 16.0 | 9.0 | 0.003 | 0.001 | 0.022 | 0.240 | 0.003 | 0.182 |
| 80 10 25 1535 | | | 3 | 1 | 14117 | 27.100 | 6.0 | 10.0 | 0.041 | 0.001< | 0.030 | 0.380 | 0.003 | 0.187 |
| MAXIMUM | | | | | | 27.100 | 21.0 | 13.0 | 0.041 | 0.003 | 0.068 | 0.380 | 0.003 | 0.418 |
| ARITH MEAN | | | | | | 10.791 | 8.7 | 10.7 | 0.011 | 0.001L | 0.036 | 0.266 | 0.003 | 0.279 |
| GEOM MEAN | | | | | | 8.809 | 4.5 | 10.6 | 0.007 | 0.001L | 0.033 | 0.256 | 0.003 | 0.257 |
| MINIMUM | | | | | | 5.030 | 0.0 | 9.0 | 0.003 | 0.001< | 0.018 | 0.180 | 0.002 | 0.158 |
| STD DEV | | | | | | 8.331 | 9.4 | 1.4 | 0.014 | 0.001L | 0.017 | 0.079 | 0.000 | 0.122 |
| NO OF SAMPLES | | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB | CLIDUR | ACDT | ALKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 |
| 80 01 06 1445 | | | 3 | 1 | | 0.340 | | 0.40 | 44.000 | 68.0 | 1.10 | 0.650 | 1.930 | 22 |
| 80 02 17 0850 | | | 3 | 1 | | 0.134 | | 0.40 | 42.000 | 64.0 | 1.00 | 0.800 | | 21 |
| 80 03 30 1620 | | | 3 | 1 | 0.461 | 0.132 | 0.593 | 4.00 | 37.000 | 57.0 | 2.40 | 2.100 | 2.540 | 17.0 |
| 80 06 22 1800 | | | 3 | 1 | 0.178 | 0.242 | 0.420 | 1.00 | 33.000 | 50.0 | 0.95 | 0.900 | 1.270 | 19.0 |
| 80 08 07 1000 | | | 3 | 1 | | 0.190 | | 2.00 | 46.000 | 70.0 | 0.85 | 0.750 | | 25.0 |
| 80 09 07 1000 | | | 3 | 1 | 0.207 | 0.218 | 0.425 | 0.10< | 43.000 | 66.0 | 0.70 | 0.600 | | 25.0 |
| 80 10 25 1535 | | | 3 | 1 | 0.220 | 0.350 | 0.570 | 2.00 | 28.000 | 43.0 | 0.65 | 0.450 | 2.210 | 13.0 |
| MAXIMUM | | | | | 0.461 | 0.350 | 0.593 | 4.00 | 46.000 | 70.0 | 2.40 | 2.100 | 2.540 | 25.0 |
| ARITH MEAN | | | | | 0.266 | 0.229 | 0.502 | 1.41L | 39.000 | 59.7 | 1.09 | 0.893 | 1.987 | 20 |
| GEOM MEAN | | | | | 0.247 | 0.215 | 0.496 | 0.82L | 38.482 | 58.9 | 1.00 | 0.794 | 1.926 | 19 |
| MINIMUM | | | | | 0.178 | 0.132 | 0.420 | 0.10< | 28.000 | 43.0 | 0.65 | 0.450 | 1.270 | 13.0 |
| STD DEV | | | | | 0.131 | 0.089 | 0.082 | 1.37L | 6.583 | 10.1 | 0.60 | 0.552 | 0.539 | 4 |
| NO OF SAMPLES | | | | | 4 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 4 | 7 |

(CONTD)

| TEST-NAME: | | | | | PH | FEUT | CAUR | MGUR | COLAP | KKUR | NAUR | ASUT | ALUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH | IRON UNF.TOT. MG/L AS FE | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU |
| 80 01 06 1445 | | | .3 | 1 | 7 14 | 0 160 | 8 600 | 1 300 | 34 000 | 0 50 | 1 500 | 0 001< | 0 100 | 0 010< |
| 80 02 17 0850 | | | .3 | 1 | 7 15 | 0 150 | 8 200 | 1 150 | 23 000 | | | 0 005 | 0 040 | 0 010< |
| 80 03 30 1620 | | | .3 | 1 | 7.04 | 0.330 | 6 600 | 0 800 | 15 000 | 0 30 | 2 100 | | | |
| 80 06 22 1800 | | | .3 | 1 | 7 20 | | 8 200 | 0 850 | 37 000 | 0 30 | 1 100 | 0 001< | 0 070 | 0 010< |
| 80 08 07 1000 | | | .3 | 1 | 7 33 | 0 180 | 8 200 | 1 350 | 21 000 | 0 60 | 1 500 | 0 001< | 0 056 | 0 001< |
| 80 09 07 1000 | | | .3 | 1 | 7 45 | 0 180 | 8 800 | 1 550 | 25 000 | 0 55 | 1 300 | 0 001< | 0 053 | 0 001< |
| 80 10 25 1535 | | | .3 | 1 | 6 98 | 0 160 | 4 800 | 0 950 | 55.000 | 0 35 | 1 000 | 0.001< | 0 11 | 0 002 |
| MAXIMUM | | | | | 7.45 | 0.330 | 8.800 | 1.550 | 55.000 | 0.60 | 2.100 | 0.005 | 0.11 | 0.010 |
| ARITH MEAN | | | | | 7.18 | 0.193 | 7.629 | 1.136 | 30.000 | 0.43 | 1.417 | 0.002L | 0.07 | 0.006L |
| GEOM MEAN | | | | | 7.18 | 0.186 | 7.490 | 1.106 | 27.706 | 0.42 | 1.375 | 0.001L | 0.06 | 0.004L |
| MINIMUM | | | | | 6.98 | 0.150 | 4.800 | 0.800 | 15.000 | 0.30 | 1.000 | 0.001< | 0.040 | 0.001< |
| STD DEV | | | | | 0.16 | 0.068 | 1.435 | 0.281 | 13.354 | 0.13 | 0.392 | 0.002L | 0.02 | 0.005L |
| NO OF SAMPLES | | | | | 7 | 6 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 |

| TEST-NAME: | | | | | PBUT | ZNUT | MNUT | NIUT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD . UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI |
| 80 01 06 1445 | | | .3 | 1 | 0 030< | 0 010< | 0 016 | 0 020< |
| 80 02 17 0850 | | | .3 | 1 | 0 030< | 0 010< | 0 010 | 0 020< |
| 80 03 30 1620 | | | .3 | 1 | | | 0 013 | |
| 80 06 22 1800 | | | 3 | 1 | 0 030< | 0 010< | 0 016 | 0 020 |
| 80 08 07 1000 | | | .3 | 1 | 0 001< | 0 001< | 0 017 | 0 002< |
| 80 09 07 1000 | | | .3 | 1 | 0 003< | 0 001< | 0 013 | 0 002< |
| 80 10 25 1535 | | | 3 | 1 | 0 003< | 0 005 | 0 024 | 0 002< |
| MAXIMUM | | | | | 0.030 | 0.010 | 0.024 | 0.020 |
| ARITH MEAN | | | | | 0.016L | 0.006L | 0.016 | 0.011L |
| GEOM MEAN | | | | | 0.008L | 0.004L | 0.016 | 0.006L |
| MINIMUM | | | | | 0.001< | 0.001< | 0.010 | 0.002< |
| STD DEV | | | | | 0.015L | 0.004L | 0.004 | 0.010L |
| NO OF SAMPLES | | | | | 6 | 6 | 7 | 6 |

B O W / SITE: **HICKORY CREEK**
SAMPLE POINT: **AT PLYMPTON TWP.RD.NO.14 DNSTR.OF FOREST**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **HICKORY CREEK**

STATION ID: **08-0010-001-02**
STORET CODE: **02**
**002**
**0100**

LAT: LONG: U T M: **17 0416010.0 4772325.0 4** REGION: **01** DISTANCE: **8.529**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 09 1340 | | | .3 | 1 | 38204 | 4 | 1380 | 1600 | 70I | 100 | 8 | 0.0 | 13.0 | 0 5 |
| 80 02 04 1425 | | | .3 | 1 | 38213 | 4 | 1200 | 1400 | 296 | 208 | 4< | 0 0 | 14 0 | 0 5 |
| 80 03 04 1440 | | | 3 | 1 | 38222 | 4 | | | | | | 0.0 | 13 0 | 1 4 |
| 80 04 01 1000 | | | .3 | 1 | 38226 | 3 | 4100 | 2500 | 250 | 890 | 4< | 3 8 | 12 0 | 2 0 |
| 80 05 06 0920 | | | 3 | 1 | 38235 | 6 | 1000 | 16000 | 120 | 20I | 4< | 11.0 | 9 5 | 2 6 |
| 80 07 08 1400 | | | 3 | 1 | 38251 | 6 | | | | | | 25 0 | 15 0 | 0 8 |
| 80 08 05 1450 | | | .3 | 1 | 38261 | 6 | | | | | | 25.0 | 11 0 | 0 9 |
| 80 09 03 1416 | | | .3 | 1 | 38271 | 6 | 150C | 4500 | 60I | 20I | 10< | 27.0 | 10 0 | 2 1 |
| 80 10 07 1305 | | | 3 | 1 | 38281 | 6 | 33000> | 25000> | 312 | 168 | 4 | 10.0 | 10 0 | 0 8 |
| 80 11 04 1155 | | | .3 | 1 | 38291 | 6 | 6000 | 16600 | 168 | 176 | 4< | 8.0 | 10.0 | 1 4 |
| 80 12 02 1315 | | | 3 | 1 | 38301 | 6 | 7000C | 35000 | 600> | 276 | 4< | 5 0 | 11 0 | 1 2 |
| MAXIMUM | | | | | | | 33000> | 35000> | 600> | 890 | 10 | 27.0 | 15.0 | 2.6 |
| ARITH MEAN | | | | | | | 6729G | 12825G | 234G | 232 | 5L | 10.4 | 11.7 | 1.3 |
| GEOM MEAN | | | | | | | 2476G | 7014G | 181G | 125 | 5L | 5.9 | 11.6 | 1.1 |
| MINIMUM | | | | | | | 150 | 1400 | 60 | 20 | 4< | 0.0 | 9.5 | 0.5 |
| STD DEV | | | | | | | 10908G | 12517G | 177G | 280 | 2L | 10.5 | 1.8 | 0.7 |
| NO OF SAMPLES | | | | | | | 8 | 8 | 8 | 8 | 8 | 11 | 11 | 11 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 09 1340 | | | .3 | 1 | 0.068 | 0.047 | 0.100 | 0.560 | 0.040 | 17.100 | 17 240 | 0.460 | 17.700 | 604.0 |
| 80 02 04 1425 | | | 3 | 1 | 0.010 | 0.002 | 0 040 | 0.640 | 0.016 | 7.100 | 7.156 | 0 600 | 7.756 | 524.0 |
| 80 03 04 1440 | | | 3 | 1 | 0.128 | 0.077 | 0.930 | 1.720 | 0.052 | 8.950 | 9.932 | 0.790 | 10.722 | 564.0 |
| 80 04 01 1000 | | | 3 | 1 | 0 150 | 0.085 | 0 300 | 1.400 | 0 069 | 10.800 | 11.169 | 1 100 | 12 269 | 428.0 |
| 80 05 06 0920 | | | .3 | 1 | 0.104 | 0.006 | 0 020 | 1 060 | 0.122 | 7 080 | 7.222 | 1 040 | 8.262 | 468 0 |
| 80 07 08 1400 | | | .3 | 1 | 0.021 | 0.004 | 0 045 | 0.840 | 0 073 | 4.280 | 4 398 | 0.795 | 5.193 | 495.0 |
| 80 08 05 1450 | | | .3 | 1 | 0.073 | 0.022 | 0.005 | 0 730 | 0.117 | 7.500 | 7 622 | 0.725 | 8 347 | 466 6 |
| 80 09 03 1416 | | | .3 | 1 | 0 145 | 0.019 | 0.095 | 1 400 | 0 008 | 0.010< | 0 113 | 1.305 | 1 418 | 435 6 |
| 80 10 07 1305 | | | 3 | 1 | 0 120 | 0.069 | 0 055 | 1 70 | 0 061 | 15.4 | 15.516 | 1 645 | 17.161 | 525.2 |
| 80 11 04 1155 | | | .3 | 1 | 0 050 | 0.005 | 0.015 | 0 920 | 0 043 | 11.400 | 11 458 | 0.905 | 12.363 | 481.2 |
| 80 12 02 1315 | | | .3 | 1 | 0 168 | 0 047 | 0 070 | 1 040 | 0 038 | 4.500 | 4.608 | 0.970 | 5.578 | 555.4 |
| MAXIMUM | | | | | 0.168 | 0.085 | 0.930 | 1.720 | 0.122 | 17.100 | 17.240 | 1.645 | 17.700 | 604.0 |
| ARITH MEAN | | | | | 0.094 | 0.036 | 0.162 | 1.09 | 0.058 | 8.5 L | 8.767 | 0.940 | 9.706 | 504.3 |
| GEOM MEAN | | | | | 0.073 | 0.019 | 0.059 | 1.02 | 0.046 | 4.6 L | 5.909 | 0.888 | 8.172 | 501.5 |
| MINIMUM | | | | | 0.010 | 0.002 | 0.005 | 0.560 | 0.008 | 0.010< | 0.113 | 0.460 | 1.418 | 428.0 |
| STD DEV | | | | | 0.053 | 0.032 | 0.270 | 0.40 | 0.036 | 4.9 L | 4.993 | 0.332 | 4.980 | 56.6 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

(CONTD)

B.O.W./SITE: **HICKORY CREEK**
SAMPLE POINT: **AT PLYMPTON TWP.RD.NO.14 DNSTR.OF FOREST**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **HICKORY CREEK**

STATION ID: **08-0010-001-02**
STORET CODE: **02 002 0100**

LAT: LONG: U.T.M.: **17 0416010.0 4772325.0 4** REGION: **01** DISTANCE: **8.520**

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 09 1340 | | | 3 | 1 | 3.5 | 600.5 | 900.0 | 9.70 | 45.500 | 8.06 |
| 80 02 04 1425 | | | 3 | 1 | 16.5 | 507.5 | 800.0 | 6.40 | 37.500 | 7.72 |
| 80 03 04 1440 | | | 3 | 1 | 11.5 | 552.5 | 845.0 | 10.00 | 56.500 | 7.92 |
| 80 04 01 1000 | | | 3 | 1 | 37.0 | 391.0 | 530.0 | 28.00 | 21.000 | 7.87 |
| 80 05 06 0920 | | | 3 | 1 | 30.5 | 437.5 | 620.0 | 16.00 | 34.500 | 8.08 |
| 80 07 08 1400 | | | 3 | 1 | 6.9 | 488.0 | 580.0 | 60.00 | 84.000 | 8.61 |
| 80 08 05 1450 | | | 3 | 1 | 28.5 | 438.1 | 700.0 | 27.00 | 37.000 | 8.26 |
| 80 09 03 1416 | | | 3 | 1 | 28.3 | 407.3 | 620.0 | 41.00 | 81.500 | 8.53 |
| 80 10 07 1305 | | | 3 | 1 | 29.3 | 495.9 | 780 | 19 | 30.5 | 8.05 |
| 80 11 04 1155 | | | 3 | 1 | 32.8 | 448.4 | 755.0 | 25.00 | 35.000 | 8.16 |
| 80 12 02 1315 | | | 3 | 1 | 81.0 | 474.4 | | 80.00 | 50.000 | 8.05 |
| MAXIMUM | | | | | 81.0 | 600.5 | 900.0 | 80.00 | 84.000 | 8.61 |
| ARITH MEAN | | | | | 27.8 | 476.5 | 713 | 29 | 46.6 | 8.12 |
| GEOM MEAN | | | | | 20.9 | 472.9 | 703 | 22 | 43.0 | 8.12 |
| MINIMUM | | | | | 3.5 | 391.0 | 530.0 | 6.40 | 21.000 | 7.72 |
| STD DEV | | | | | 20.9 | 62.1 | 122 | 22 | 20.2 | 0.27 |
| NO OF SAMPLES | | | | | 11 | 11 | 10 | 11 | 11 | 11 |

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B.O.W./SITE: **THE CUT**
SAMPLE POINT: **AT HIGHWAY 21**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **AUSABLE RIVER**

STATION ID: **08-0021-001-02**
STORET CODE: **02 002 0180**

LAT: LONG: U.T.M.: **17 0429800.0 4785600.0 4** REGION: **01** DISTANCE: **6.276**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNTKUR | NNO2FR | NNO3FR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | TOTAL N MG/L AS N |
| 80 01 15 1135 | | | 3 | 1 | 31308 | 4 | 1.5 | 10.0 | 0.184 | 0.097 | | | | |
| 80 02 12 1200 | | | 3 | 1 | 31320 | 4 | 0.0 | 9.0 | 0.029 | 0.010 | | | | |
| 80 03 11 1120 | | | 3 | 1 | 31332 | 4 | 0.0 | 11.5 | 0.062 | 0.018 | 1.020 | 0.029 | 7.900 | 8.949 |
| 80 03 27 1158 | | | 3 | 1 | 30537 | 6 | 2.5 | 13.6 | 0.156 | 0.072 | | | | |
| 80 04 15 1100 | | | 3 | 1 | 31344 | 3 | 5.0 | 7.0 | 1.020 | 0.101 | | | | |
| 80 05 13 1230 | | | 3 | 1 | 31356 | 6 | 14.5 | 9.0 | 0.052 | 0.002 | | | | |
| 80 06 10 1240 | | | 3 | 1 | 31368 | 6 | 15.5 | 7.5 | 0.056 | 0.009 | | | | |
| 80 07 15 1110 | | | 3 | 1 | 31380 | 6 | 24.5 | 6.5 | 0.058 | 0.007 | | | | |
| 80 08 12 1240 | | | 3 | 1 | 31392 | 8 | 25.0 | 5.5 | 0.071 | 0.006 | | | | |
| 80 09 09 1105 | | | 3 | 1 | 31404 | 8 6 | 23.0 | 5.5 | 0.078 | 0.006 | | | | |
| 80 10 14 1155 | | | 3 | 1 | 31416 | 6 | 10.0 | 9.0 | 0.076 | 0.037 | | | | |
| 80 11 11 1115 | | | 3 | 1 | 31428 | 6 | 4.5 | 10.5 | 0.048 | 0.002 | | | | |
| 80 12 09 1100 | | | 3 | 1 | 31440 | 6 | 4.5 | 7.0 | 0.328 | 0.142 | | | | |
| MAXIMUM | | | | | | | 25.0 | 13.6 | 1.020 | 0.142 | 1.020 | 0.029 | 7.900 | 8.949 |
| ARITH MEAN | | | | | | | 10.0 | 8.6 | 0.171 | 0.039 | 1.020 | 0.029 | 7.900 | 8.949 |
| GEOM MEAN | | | | | | | 6.0 | 8.3 | 0.096 | 0.016 | | | | |
| MINIMUM | | | | | | | 0.0 | 5.5 | 0.029 | 0.002 | 1.020 | 0.029 | 7.900 | 8.949 |
| STD DEV | | | | | | | 9.4 | 2.4 | 0.268 | 0.047 | | | | |
| NO OF SAMPLES | | | | | | | 13 | 13 | 13 | 13 | 1 | 1 | 1 | 1 |

| TEST-NAME: | | | | | RSP | RSF | ALKT | PH | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | ALK TOTAL MG/L AS CACO3 | PH | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/I AS HG | CHROMIUM UNF.TOT MG/L AS CR | COPPER UNF.TOT MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD |
| 80 01 15 1135 | | | 3 | 1 | 35.00 | 330.00 | 180 | 7.82 | 0.002 | | 0.020< | 0.020 | 0.030< | 0.005 < |
| 80 02 12 1200 | | | 3 | 1 | 8.0 | 444.00 | 267 | 7.92 | 0.001 | | 0.020< | 0.010< | 0.030< | 0.005 < |
| 80 03 11 1120 | | | 3 | 1 | 10.00 | 444.00 | 255.0 | 7.92 | 0.001< | | 0.020 | 0.010< | 0.030< | 0.005 < |
| 80 03 27 1158 | | | 3 | 1 | 62.00 | 280.00 | 172.0 | 7.93 | 0.002 | 0.020< | 0.020< | 0.010< | 0.030< | 0.005 < |
| 80 04 15 1100 | | | 3 | 1 | 838.00 | 424.00 | 166.0 | 7.97 | 0.006 | | 0.07 | 0.03 | 0.11 | 0.005 < |
| 80 05 13 1230 | | | 3 | 1 | 87.00 | 474.00 | 233.0 | 8.12 | 1.000 | | 0.020< | 0.010< | 0.030< | 0.005 < |
| 80 06 10 1240 | | | 3 | 1 | 40 | 346 | 218 | 8.26 | 0.001< | | 0.02 < | 0.01 < | 0.03 < | 0.005 < |
| 80 07 15 1110 | | | 3 | 1 | 32.50 | 402.00 | 219.0 | 8.27 | 0.001 | | 0.02 < | 0.01 < | 0.03 < | 0.005 < |
| 80 08 12 1240 | | | 3 | 1 | 32.4 | 360.5 | 203 | 8.16 | 0.001 | | 0.002< | 0.001 | 0.003< | 0.0002< |
| 80 09 09 1105 | | | 3 | 1 | 41.40 | 274.40 | 198.0 | 8.12 | 0.002 | | 0.002< | 0.005 | 0.003< | 0.0002< |
| 80 10 14 1155 | | | 3 | 1 | 11.90 | 442.40 | 247.0 | 8.13 | | | 0.100< | 0.011 | 0.005< | 0.0002< |
| 80 11 11 1115 | | | 3 | 1 | 46.90 | 428.20 | 240.0 | 8.12 | 6.000 | | 0.002 | 0.005 | 0.003< | 0.0002< |
| 80 12 09 1100 | | | 3 | 1 | 181.70 | 421.40 | 201.0 | 7.55 | | | 0.100< | 0.007 | 0.005< | 0.0004 |
| MAXIMUM | | | | | 838.00 | 474.00 | 267 | 8.27 | 6.000 | 0.020 | 0.100 | 0.03 | 0.11 | 0.005 |
| ARITH MEAN | | | | | 109 | 390 | 215 | 8.02 | 0.638L | 0.020L | 0.03 L | 0.01 L | 0.02 L | 0.003 L |
| GEOM MEAN | | | | | 43 | 384 | 213 | 8.02 | 0.006L | | 0.01 L | 0.00 L | 0.01 L | 0.001 L |
| MINIMUM | | | | | 8.0 | 274.40 | 166.0 | 7.55 | 0.001< | 0.020< | 0.002< | 0.001< | 0.003< | 0.0002< |
| STD DEV | | | | | 223 | 66 | 32 | 0.20 | 1.803L | | 0.03 L | 0.00 L | 0.02 L | 0.002 L |
| NO OF SAMPLES | | | | | 13 | 13 | 13 | 13 | 11 | 1 | 13 | 13 | 13 | 13 |

| TEST-NAME: | | | | | ZNUT | P1PCBT |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ZINC UNF.TOT. MG/L AS ZN | PCB TOTAL UG/L |
| 80 01 15 1135 | | | 3 | 1 | 0.020 | |
| 80 02 12 1200 | | | 3 | 1 | 0.010< | |
| 80 03 11 1120 | | | 3 | 1 | 0.060 | |
| 80 03 27 1158 | | | 3 | 1 | 0.010< | 0.020R |
| 80 04 15 1100 | | | 3 | 1 | 0.24 | |
| 80 05 13 1230 | | | 3 | 1 | 0.010< | |
| 80 06 10 1240 | | | 3 | 1 | 0.01 < | |
| 80 07 15 1110 | | | 3 | 1 | 0.01 < | |
| 80 08 12 1240 | | | 3 | 1 | 0.001< | |
| 80 09 09 1105 | | | 3 | 1 | 0.004 | |
| 80 10 14 1155 | | | 3 | 1 | 0.030< | |
| 80 11 11 1115 | | | 3 | 1 | 0.004 | |

(CONTD)

| TEST-NAME: | | | | | ZNUT | P1PCBT |
|---|---|---|---|---|---|---|
| 80 12 09 1100 | | | 3 | 1 | 0.030< | |
| MAXIMUM | | | | | 0.24 | |
| ARITH MEAN | | | | | 0.03 L | |
| GEOM MEAN | | | | | 0.01 L | |
| MINIMUM | | | | | 0.001< | |
| STD DEV | | | | | 0.06 L | |
| NO OF SAMPLES | | | | | 13 | |

B O W / SITE **DECKER CREEK**
SAMPLE POINT **NEAR BRICK YARD, THEDFORD**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **AUSABLE RIVER**

STATION ID **08-0022-002-02**
STORET CODE **02**
**002**
**0190**

LAT
LONG
U T M **17 0430475.0 4780600.0 4**
REGION **01**
DISTANCE **10.300**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 15 1145 | | | 3 | 1 | 31309 | 6 | 35000> | 37000 | 1260 | 370 | 4< | 1.5 | 12.0 | 0.6 |
| 80 02 12 1250 | | | 3 | 1 | 31321 | 4 | 7100 | 17000 | 900 | 340 | 4< | 0.5 | 10.0 | 3.7 |
| 80 03 11 1150 | | | 3 | 1 | 31333 | 4 | 38000> | 32000 | 150> | 460 | 4< | 0.0 | 9.0 | 1.4 |
| 80 04 15 1115 | | | 3 | 1 | 31345 | 3 | 6800C | 49000 | 2000 | 1360 | 168C | 4.0 | 10.5 | 1.2 |
| 80 05 13 1320 | | | 3 | 1 | 31357 | 9 | 260000> | 650000 | 8700 | 1800 | 4< | 12.5 | 8.5 | 4.8 |
| 80 06 10 1330 | | | 3 | 1 | 31369 | 6 | 3000I | 22000 | 200I | 100I | 4 | 13.0 | 12.5 | 1.7 |
| 80 07 15 1130 | | | 3 | 1 | 31381 | 9 | 20000 | 70000 | 1000 | 550 | 232 | 22.5 | 5.0 | 2.1 |
| 80 08 12 1310 | | | 3 | 1 | 31393 | 8 | 33000> | 240000 | | 1500> | 4< | 21.5 | 7.0 | |
| 80 09 09 1125 | | | 3 | 1 | 31405 | 8 | 6300 | 19000 | 200I | 290 | 8 | 19.0 | 3.0 | 2.8 |
| 80 10 14 1210 | | | 3 | 1 | 31417 | 6 | 4600 | 17600 | | 1500> | 56 | 8.0 | 9.0 | 2.0 |
| 80 11 11 1135 | | | 3 | 1 | 31429 | 6 | 1600 | 2900 | 140 | 20I | 4< | 3.0 | 5.0 | 1.4 |
| 80 12 09 1120 | | | 3 | 1 | 31441 | 3 | 16000C | 1000000 | 1080 | 600> | 24 | 5.0 | 9.0 | 2.5 |
| MAXIMUM | | | | | | | 260000> | 1000000 | 8700> | 1800> | 232 | 22.5 | 12.5 | 4.8 |
| ARITH MEAN | | | | | | | 35950G | 179708 | 1563G | 741G | 43L | 9.2 | 8.4 | 2.2 |
| GEOM MEAN | | | | | | | 13058G | 49748 | 669G | 445G | 12L | 5.3 | 7.8 | 1.9 |
| MINIMUM | | | | | | | 1600 | 2900 | 140 | 20 | 4< | 0.0 | 3.0 | 0.6 |
| STD DEV | | | | | | | 71779G | 316780 | 2581G | 620G | 76L | 8.3 | 2.9 | 1.2 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 10 | 12 | 12 | 12 | 12 | 11 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 15 1145 | | | 3 | 1 | 0.081 | 0.047 | 0.120 | 0.670 | 0.032 | 8.370 | 8.522 | 0.550 | 9.072 | 474.0 |
| 80 02 12 1250 | | | 3 | 1 | 0.182 | 0.051 | 0.510 | 1.360 | 0.029 | 4.800 | 5.339 | 0.850 | 6.189 | 610.0 |
| 80 03 11 1150 | | | 3 | 1 | 0.590 | 0.495 | 1.380 | 2.380 | 0.052 | 3.150 | 4.582 | 1.000 | 5.582 | 606.0 |
| 80 04 15 1115 | | | 3 | 1 | 0.435 | 0.121 | 0.080 | 1.550 | 0.042 | 5.910 | 6.032 | 1.470 | 7.502 | 548.0 |
| 80 05 13 1320 | | | 3 | 1 | 1.410 | 1.280 | 1.730 | 5.700 | 0.092 | 5.460 | 7.282 | 3.970 | 11.252 | 446.0 |
| 80 06 10 1330 | | | 3 | 1 | 0.101 | 0.059 | 0.040 | 0.790 | 0.050 | 3.000 | 3.090 | 0.750 | 3.840 | 438.0 |
| 80 07 15 1130 | | | 3 | 1 | 0.650 | 0.585 | 0.030 | 1.60 | 0.051 | 1.21 | 1.291 | 1.570 | 2.861 | 515 |
| 80 09 09 1125 | | | 3 | 1 | 0.665 | 0.525 | 0.035 | 1.520 | 0.036 | 0.370 | 0.441 | 1.485 | 1.926 | 550.2 |
| 80 10 14 1210 | | | 3 | 1 | 0.145 | 0.050 | 0.030 | 0.780 | 0.065 | 6.900 | 6.995 | 0.750 | 7.745 | 517.7 |
| 80 11 11 1135 | | | 3 | 1 | 0.050 | 0.018 | 0.010 | 0.620 | 0.025 | 2.900 | 2.935 | 0.610 | 3.545 | 539.4 |
| 80 12 09 1120 | | | 3 | 1 | 0.190 | 0.082 | 0.045 | 1.300 | 0.047 | 12.000 | 12.092 | 1.255 | 13.347 | 480.8 |
| MAXIMUM | | | | | 1.410 | 1.280 | 1.730 | 5.700 | 0.092 | 12.000 | 12.092 | 3.970 | 13.347 | 610.0 |
| ARITH MEAN | | | | | 0.409 | 0.301 | 0.385 | 1.66 | 0.047 | 4.91 | 5.327 | 1.296 | 6.624 | 520 |
| GEOM MEAN | | | | | 0.257 | 0.134 | 0.096 | 1.33 | 0.044 | 3.60 | 3.983 | 1.096 | 5.697 | 517 |
| MINIMUM | | | | | 0.050 | 0.018 | 0.010 | 0.620 | 0.025 | 0.370 | 0.441 | 0.550 | 1.926 | 438.0 |
| STD DEV | | | | | 0.407 | 0.392 | 0.610 | 1.43 | 0.019 | 3.35 | 3.384 | 0.959 | 3.597 | 57 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 15 1145 | | | 3 | 1 | 10.0 | 464.0 | 740.0 | 9.40 | 36.500 | 8.00 |
| 80 02 12 1250 | | | 3 | 1 | 35.0 | 575.0 | 855.0 | 15.00 | 51.000 | 8.02 |
| 80 03 11 1150 | | | 3 | 1 | 31.0 | 575.0 | 920.0 | 25.00 | 130.000 | 7.88 |
| 80 04 15 1115 | | | 3 | 1 | 112.0 | 436.0 | 405.0 | 220.00 | 18.000 | 7.93 |
| 80 05 13 1320 | | | 3 | 1 | 47.0 | 399.0 | 650.0 | 40.00 | 50.000 | 8.02 |
| 80 06 10 1330 | | | 3 | 1 | 6.0 | 432.0 | 650.0 | 4.60 | 47.500 | 8.57 |
| 80 07 15 1130 | | | 3 | 1 | 17 | 498 | 780 | 12 | 69.5 | 7.92 |
| 80 09 09 1125 | | | 3 | 1 | 14.6 | 535.6 | 905.0 | 18.00 | 87.000 | 8.13 |
| 80 10 14 1210 | | | 3 | 1 | 10.8 | 506.9 | 825.0 | 5.80 | 55.000 | 8.13 |
| 80 11 11 1135 | | | 3 | 1 | 2.7 | 536.7 | 825.0 | 3.20 | 50.000 | 8.08 |
| 80 12 09 1120 | | | 3 | 1 | 61.5 | 419.3 | 610.0 | 40.00 | 34.000 | 7.77 |
| MAXIMUM | | | | | 112.0 | 575.0 | 920.0 | 220.00 | 130.000 | 8.57 |
| ARITH MEAN | | | | | 31 | 488 | 742 | 35 | 57.1 | 8.04 |
| GEOM MEAN | | | | | 19 | 485 | 725 | 16 | 50.8 | 8.04 |
| MINIMUM | | | | | 2.7 | 399.0 | 405.0 | 3.20 | 18.000 | 7.77 |
| STD DEV | | | | | 32 | 62 | 163 | 62 | 30.1 | 0.21 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 |

B O W / SITE **HENSALL CREEK**
SAMPLE POINT **AT CONCESSION ROAD 2, WEST OF HENSALL**
STATION TYPE **RIVER FLOW GAUGE MOE 02FF105**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **AUSABLE RIVER**

STATION ID **08-0022-007-02**
STORET CODE **02**
**002**
**0180**

LAT LONG U T M **17 0457675.0 4808250.0 4** REGION **01** DISTANCE **139.204**

| TEST-NAME: | | | | | *SAMPLE* | *FWSTRC* | *TCMF* | *TCMFBK* | *FCMF* | *FSMF* | *PSAMF* | *FWTEMP* | *DO* | *BOD5* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT DEM. MG/L AS O |
| 80 01 15 1005 | | | 3 | 1 | 31304 | 6 | 2500 | 3500 | 180 | 50I | 4< | 0.5 | 7.0 | 1.1 |
| 80 02 12 1035 | | | 3 | 1 | 31316 | 4 | 15000 | 5200 | 1500> | 10I | 4< | 0.5 | 10.0 | 1.0 |
| 80 03 11 1005 | | | 3 | 1 | 31328 | 4 | 2800 | 4400 | 100< | 50I | 4< | 0.0 | 6.5 | 0.9 |
| 80 04 15 1000 | | | 3 | 1 | 31340 | 3 | 2600 | 11400 | 650 | 570 | 12 | 4.0 | 5.5 | 1.4 |
| 80 05 13 1040 | | | 3 | 1 | 31352 | 6 | 150000C | 250000 | 2500 | 2400 | 28 | 11.0 | 8.0 | 5.0 |
| 80 06 10 1100 | | | 3 | 1 | 31364 | 8 | 2200 | 9700 | 100< | 100< | 4< | 13.0 | 12.5 | 0.7 |
| 80 07 15 0920 | | | 3 | 1 | 31376 | 8 | 12000C | 63000 | 600> | 520 | 24 | 20.5 | 6.0 | 1.4 |
| 80 08 12 1025 | | | 3 | 1 | 31388 | 8 | | 240000> | | 1500> | 4< | 19.0 | 6.5 | 6.0> |
| 80 09 09 1000 | | | 3 | 1 | 31400 | 8 | 6800 | 12200 | 310 | 180 | 4< | 18.0 | 3.0 | 0.8 |
| 80 10 14 1020 | | | 3 | 1 | 31412 | 6 | 7800 | 13100 | 510 | 1040 | 4 | 8.0 | 9.5 | 0.8 |
| 80 11 11 1015 | | | 3 | 1 | 31424 | 6 | 1300 | 3300 | 390 | 1500> | 4< | 2.5 | 7.0 | 1.5 |
| 80 12 09 0945 | | | 3 | 1 | 31436 | 3 | 12700C | 110000 | 1500> | 12800 | 16 | 4.0 | 7.5 | 2.7 |
| **MAXIMUM** | | | | | | | **150000** | **250000>** | **2500>** | **12800>** | **28** | **20.5** | **12.5** | **6.0>** |
| **ARITH MEAN** | | | | | | | **19609** | **60483G** | **7588** | **17278** | **9L** | **8.4** | **7.4** | **1.9G** |
| **GEOM MEAN** | | | | | | | **6547** | **18794G** | **4698** | **3828** | **7L** | **4.6** | **7.0** | **1.5G** |
| **MINIMUM** | | | | | | | **1300** | **3300** | **100<** | **10<** | **4<** | **0.0** | **3.0** | **0.7** |
| **STD DEV** | | | | | | | **43614** | **91891G** | **7608** | **35688** | **9L** | **7.7** | **2.4** | **1.8G** |
| **NO OF SAMPLES** | | | | | | | **11** | **12** | **11** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | *PPUT* | *PPO4FR* | *NNHTFR* | *NNTKUR* | *NNO2FR* | *NNO3FR* | *NNTIFR* | *NNKUR* | *NNKI* | *RST* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 15 1005 | | | 3 | 1 | 0.055 | 0.034 | 0.050 | 0.330 | 0.030 | 9.170 | 9.250 | 0.280 | 9.530 | 294.0 |
| 80 02 12 1035 | | | 3 | 1 | 0.025 | 0.013 | 0.025 | 0.270 | 0.025 | 8.080 | 8.130 | 0.245 | 8.375 | 346.0 |
| 80 03 11 1005 | | | 3 | 1 | 0.105 | 0.049 | 0.065 | 0.590 | 0.031 | 6.820 | 6.916 | 0.525 | 7.441 | 394.0 |
| 80 04 15 1000 | | | 3 | 1 | 0.208 | 0.105 | 0.070 | 0.800 | 0.027 | 8.720 | 8.817 | 0.730 | 9.547 | 332.0 |
| 80 05 13 1040 | | | 3 | 1 | 1.430 | 1.360 | 1.300 | 2.000 | 0.082 | 5.200 | 6.582 | 0.700 | 7.282 | 310.0 |
| 80 06 10 1100 | | | 3 | 1 | 0.042 | 0.027 | 0.005 | 0.490 | 0.068 | 7.600 | 7.673 | 0.485 | 8.158 | 368.0 |
| 80 07 15 0920 | | | 3 | 1 | 0.020 | 0.005 | 0.025 | 0.66 | 0.060 | 4.2 | 4.285 | 0.635 | 4.920 | 387 |
| 80 08 12 1025 | | | 3 | 1 | 0.480 | 0.315 | 1.720 | 3.800 | 0.365 | 4.140 | 6.225 | 2.080 | 8.305 | 432.7 |
| 80 09 09 1000 | | | 3 | 1 | 0.040 | 0.020 | 0.025 | 0.54 | 0.016 | 3.83 | 3.871 | 0.515 | 4.386 | 317.2 |
| 80 10 14 1020 | | | 3 | 1 | 0.077 | 0.061 | 0.030 | 0.66 | 0.050 | 11.8 | 11.880 | 0.630 | 12.510 | 446.4 |
| 80 11 11 1015 | | | 3 | 1 | 0.074 | 0.049 | 0.005 | 0.540 | 0.031 | 10.900 | 10.936 | 0.535 | 11.471 | 493.8 |
| 80 12 09 0945 | | | 3 | 1 | 0.208 | 0.108 | 0.105 | 1.360 | 0.045 | 16.400 | 16.550 | 1.255 | 17.805 | 491.4 |
| **MAXIMUM** | | | | | **1.430** | **1.360** | **1.720** | **3.800** | **0.365** | **16.400** | **16.550** | **2.080** | **17.805** | **493.8** |
| **ARITH MEAN** | | | | | **0.230** | **0.179** | **0.285** | **1.00** | **0.069** | **8.0** | **8.426** | **0.718** | **9.144** | **384** |
| **GEOM MEAN** | | | | | **0.098** | **0.055** | **0.054** | **0.74** | **0.048** | **7.3** | **7.809** | **0.608** | **8.558** | **378** |
| **MINIMUM** | | | | | **0.020** | **0.005** | **0.005** | **0.270** | **0.016** | **3.83** | **3.871** | **0.245** | **4.386** | **294.0** |
| **STD DEV** | | | | | **0.399** | **0.381** | **0.580** | **1.00** | **0.095** | **3.7** | **3.492** | **0.499** | **3.583** | **69** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | *RSP* | *RSF* | *COND25* | *TURB* | *CLIDUR* | *PH* |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 15 1005 | | | 3 | 1 | 5.0 | 189.0 | 620.0 | 1.70 | 20.000 | 8.08 |
| 80 02 12 1035 | | | 3 | 1 | 6.5 | 339.5 | 600.0 | 1.90 | 17.500 | 8.03 |
| 80 03 11 1005 | | | 3 | 1 | 8.0 | 386.0 | 635.0 | 4.40 | 33.500 | 8.03 |
| 80 04 15 1000 | | | 3 | 1 | 31.0 | 301.0 | 471.0 | 33.00 | 15.000 | 7.92 |
| 80 05 13 1040 | | | 3 | 1 | 18.0 | 292.0 | 505.0 | 10.00 | 25.500 | 7.89 |
| 80 06 10 1100 | | | 3 | 1 | 6.0 | 362.0 | 580.0 | 1.20 | 17.500 | 8.35 |
| 80 07 15 0920 | | | 3 | 1 | 1.9 | 385 | 550 | 1.0 | 22.0 | 7.96 |
| 80 08 12 1025 | | | 3 | 1 | 15.1 | 417.6 | 610.0 | 6.00 | 32.000 | 7.81 |
| 80 09 09 1000 | | | 3 | 1 | 4.1 | 713.1 | 540 | 0.95 | 15.0 | 7.97 |
| 80 10 14 1020 | | | 3 | 1 | 2.5 | 443.9 | 740 | 1.3 | 28.5 | 8.17 |
| 80 11 11 1015 | | | 3 | 1 | 1.1 | 492.7 | 725.0 | 2.20 | 27.500 | 8.19 |
| 80 12 09 0945 | | | 3 | 1 | 25.9 | 465.5 | 655.0 | 10.00 | 23.000 | 7.94 |
| **MAXIMUM** | | | | | **31.0** | **713.1** | **740** | **33.00** | **33.500** | **8.35** |
| **ARITH MEAN** | | | | | **10.4** | **398** | **602** | **6.1** | **23.0** | **8.03** |
| **GEOM MEAN** | | | | | **6.6** | **380** | **597** | **3.1** | **22.2** | **8.03** |
| **MINIMUM** | | | | | **1.1** | **189.0** | **471.0** | **0.95** | **15.000** | **7.81** |
| **STD DEV** | | | | | **9.9** | **129** | **80** | **9.0** | **6.3** | **0.15** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **12** | **12** |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **LITTLE AUSABLE RIVER**
SAMPLE POINT: **AT BRIDGE, TWP LINE WEST OF LUCAN**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **AUSABLE RIVER**

STATION ID: **08-0022-010-02**
STORET CODE: **02**
**002**
**0180**

LAT: LONG: U T M: **17 0463600.0 4780750.0 4** REGION: **01** DISTANCE: **108.915**

| | TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 15 1240 | | | .3 | 1 | 31311 | 6 | 340 | 1630 | 84 | 470 | 4< | 2.0 | 8.0 | 0.5 |
| 80 02 12 1400 | | | .3 | 1 | 31323 | 4 | 90I | 290 | 10I | 10I | 4< | 0.5 | 10.0 | 0.9 |
| 80 03 11 1300 | | | .3 | 1 | 31335 | 4 | 416I | 1720 | 236 | 600> | 4< | 0.5 | 10.5 | 2.0 |
| 80 04 15 1235 | | | .3 | 1 | 31347 | 3 | 4800 | 24000 | 1900 | 6700 | 32 | 4.5 | 9.5 | 1.2 |
| 80 05 13 1425 | | | .3 | 1 | 31359 | 6 | 3500 | 8000 | 1400 | 20I | 4< | 14.0 | 12.0 | 1.9 |
| 80 06 10 1500 | | | .3 | 1 | 31371 | 8 | 560C | 5600 | 180 | 40I | 4< | 15.0 | 9.0 | 0.7 |
| 80 07 15 1235 | | | .3 | 1 | 31383 | 8 | 1800 | 17700 | 270 | 30I | 4 | 25.0 | 11.5 | 0.1 |
| 80 08 12 1410 | | | .3 | 1 | 31395 | 8 | 10100C | 115000 | | 600> | 88 | 23.0 | 7.0 | |
| 80 09 09 1310 | | | .3 | 1 | 31407 | 8 | 1400 | 16000 | 130 | 140 | 4 | 20.0 | 10.0 | 1.1 |
| 80 10 14 1315 | | | .3 | 1 | 31419 | 6 | 21000 | 234000 | 1500> | 1500> | 92 | 8.0 | 10.5 | 1.4 |
| 80 11 11 1215 | | | .3 | 1 | 31431 | 6 | 100< | 2700 | 100< | 100I | 4< | 3.5 | 7.0 | 1.7 |
| 80 12 09 1255 | | | .3 | 1 | 31443 | 3 | 11100C | 110000 | 600> | 600> | 4< | 5.0 | 6.5 | 1.8 |
| MAXIMUM | | | | | | | 21000 | 234000 | 1900> | 6700> | 92 | 25.0 | 12.0 | 2.0 |
| ARITH MEAN | | | | | | | 4600L | 44720 | 583B | 901G | 21L | 10.1 | 9.3 | 1.2 |
| GEOM MEAN | | | | | | | 1427L | 10586 | 255B | 197G | 8L | 5.5 | 9.1 | 1.0 |
| MINIMUM | | | | | | | 90< | 290 | 10< | 10 | 4< | 0.5 | 6.5 | 0.1 |
| STD DEV | | | | | | | 6420L | 72197 | 681B | 1877G | 33L | 8.9 | 1.8 | 0.6 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 11 | 12 | 12 | 12 | 12 | 11 |

| | TEST-NAME: | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 15 1240 | | | .3 | 1 | 0.065 | 0.052 | 0.055 | 0.300 | 0.016 | 9.130 | 9.201 | 0.245 | 9.446 | 350.0 |
| 80 02 12 1400 | | | .3 | 1 | 0.058 | 0.048 | 0.080 | 0.390 | 0.024 | 7.000 | 7.104 | 0.310 | 7.414 | 382.0 |
| 80 03 11 1300 | | | .3 | 1 | 0.185 | 0.139 | 0.330 | 0.900 | 0.038 | 5.810 | 6.178 | 0.570 | 6.748 | 434.0 |
| 80 04 15 1235 | | | .3 | 1 | 0.390 | 0.115 | 0.080 | 2.300 | 0.029 | 6.870 | 6.979 | 2.220 | 9.199 | 412.0 |
| 80 05 13 1425 | | | .3 | 1 | 0.029 | 0.002 | 0.020 | 0.520 | 0.031 | 4.200 | 4.251 | 0.500 | 4.751 | 284.0 |
| 80 06 10 1500 | | | .3 | 1 | 0.050 | 0.029 | 0.010 | 0.670 | 0.043 | 12.800 | 12.853 | 0.660 | 13.513 | 422.0 |
| 80 07 15 1235 | | | .3 | 1 | 0.038 | 0.011 | 0.015 | 0.79 | 0.020 | 8.5 | 8.535 | 0.775 | 9.310 | 377 |
| 80 09 09 1310 | | | .3 | 1 | 0.038 | 0.011 | 0.025 | 0.670 | 0.001 | 0.030 | 0.056 | 0.645 | 0.701 | 228.7 |
| 80 10 14 1315 | | | .3 | 1 | 0.128 | 0.040 | 0.025 | 0.970 | 0.030 | 7.700 | 7.755 | 0.945 | 8.700 | 433.5 |
| 80 11 11 1215 | | | .3 | 1 | 0.048 | 0.004 | 0.005 | 0.630 | 0.013 | 7.100 | 7.118 | 0.625 | 7.743 | 497.0 |
| 80 12 09 1255 | | | .3 | 1 | 0.200 | 0.108 | 0.085 | 1.360 | 0.027 | 13.500 | 13.612 | 1.275 | 14.887 | 495.0 |
| MAXIMUM | | | | | 0.390 | 0.139 | 0.330 | 2.300 | 0.043 | 13.500 | 13.612 | 2.220 | 14.887 | 497.0 |
| ARITH MEAN | | | | | 0.112 | 0.051 | 0.066 | 0.86 | 0.025 | 7.5 | 7.604 | 0.797 | 8.401 | 392 |
| GEOM MEAN | | | | | 0.079 | 0.027 | 0.036 | 0.74 | 0.019 | 4.7 | 5.057 | 0.669 | 6.960 | 383 |
| MINIMUM | | | | | 0.029 | 0.002 | 0.005 | 0.300 | 0.001 | 0.030 | 0.056 | 0.245 | 0.701 | 228.7 |
| STD DEV | | | | | 0.110 | 0.048 | 0.092 | 0.55 | 0.012 | 3.7 | 3.718 | 0.560 | 3.842 | 81 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| | TEST-NAME: | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | SOLEXT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | SOLVENT EXTRACT. MG/L |
| 80 01 15 1240 | | | .3 | 1 | 2.0 | 348.0 | 580.0 | 2.30 | 17.000 | 8.01 | |
| 80 02 12 1400 | | | .3 | 1 | 4.0 | 378.0 | 625.0 | 1.20 | 20.500 | 8.07 | 1 |
| 80 03 11 1300 | | | .3 | 1 | 3.5 | 430.5 | 700.0 | 1.50 | 50.500 | 7.98 | |
| 80 04 15 1235 | | | .3 | 1 | 93.0 | 259.000 | 399.0 | 200.00 | 11.500 | 7.92 | |
| 80 05 13 1425 | | | .3 | 1 | 0.5< | | 505.0 | 1.60 | 15.500 | 8.29 | |
| 80 06 10 1500 | | | .3 | 1 | 7.0 | 415.0 | 600.0 | 9.50 | 17.500 | 8.40 | |
| 80 07 15 1235 | | | .3 | 1 | 5.5 | 371 | 550 | 1.3 | 17.0 | 8.35 | |
| 80 09 09 1310 | | | .3 | 1 | 10.1 | 246.000 | 379.0 | 14.00 | 15.500 | 8.07 | |
| 80 10 14 1315 | | | .3 | 1 | 14.6 | 418.9 | 685.0 | 6.90 | 26.500 | 8.05 | |
| 80 11 11 1215 | | | .3 | 1 | 55.2 | 441.8 | 675.0 | 10.00 | 23.500 | 8.24 | |
| 80 12 09 1255 | | | .3 | 1 | 61.0 | 434.0 | 545.0 | 30.00 | 28.500 | 7.79 | |
| MAXIMUM | | | | | 93.0 | 441.8 | 700.0 | 200.00 | 50.500 | 8.40 | 1 |
| ARITH MEAN | | | | | 23.3L | 374 | 567 | 25.3 | 22.1 | 8.11 | 1 |
| GEOM MEAN | | | | | 8.8L | 367 | 557 | 6.1 | 20.4 | 8.10 | |
| MINIMUM | | | | | 0.5< | 246.000 | 379.0 | 1.20 | 11.500 | 7.79 | 1 |
| STD DEV | | | | | 31.4L | 71 | 107 | 58.5 | 10.6 | 0.19 | |
| NO OF SAMPLES | | | | | 11 | 10 | 11 | 11 | 11 | 11 | 1 |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

| | | |
|---|---|---|
| B.O.W./ SITE: **AUSABLE RIVER**<br>SAMPLE POINT: **AT TOWNLINE DNSTR.FROM CENTRALIA BASE**<br>STATION TYPE: **RIVER** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE HURON**<br>TERM STREAM: **AUSABLE RIVER** | STATION ID: **08-0022-011-02**<br>STORET CODE: **02**<br>**002**<br>**0180** |
| LAT LONG | U.T.M.: **17 0457160.0 4790060.0 4** | REGION **01** DISTANCE **120.698** |

| | | | TEST-NAME: | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 15 1050 | | | 3 | 1 | 31306 | 4 | 1600 | 4900 | 600> | 630 | 4 | 1.5 | 5.5 | 1.2 |
| 80 02 12 1110 | | | 3 | 1 | 31318 | 4 | 520 | 1700 | 50I | 80I | 4< | 0.5 | 9.0 | 1.0 |
| 80 03 11 1030 | | | 3 | 1 | 31330 | 4 | 5100 | 6000 | 144 | 600> | 4 | 0.0 | 8.5 | 2.5 |
| 80 04 15 1020 | | | 3 | 1 | 31342 | 3 | 3600 | 24000 | 1500 | 6200 | 12 | 4.0 | 7.5 | 1.6 |
| 80 05 13 1130 | | | 3 | 1 | 31354 | 6 | 2200 | 15300 | 410 | 50I | 4< | 14.0 | 8.5 | 2.6 |
| 80 06 10 1145 | | | 3 | 1 | 31366 | 6 | 1200 | 11800 | 190 | 24 | 4< | 15.0 | 9.0 | 1.3 |
| 80 07 15 1015 | | | 3 | 1 | 31378 | 8 | 1800C | 29000 | 470 | 112 | 4< | 24.0 | 6.5 | 1.8 |
| 80 08 12 1140 | | | 3 | 1 | 31390 | 7 | 11100C | 59000 | 1500> | 600> | 184 | 22.0 | 7.0 | 3.9 |
| 80 09 09 1025 | | | 3 | 1 | 31402 | 8 | 1800 | 1400 | 700I | 110 | 4 | 19.0 | 6.5 | 1.5 |
| 80 10 14 1100 | | | 3 | 1 | 31414 | 6 | 12600C | 54000 | 1100 | 1500> | 362 | 8.5 | | |
| 80 11 11 1040 | | | 3 | 1 | 31426 | 6 | 700I | 2800 | 120 | 290 | 4< | 3.5 | 5.0 | 0.9 |
| 80 12 09 1020 | | | 3 | 1 | 31438 | 3 | 14400C | 152000 | 600> | 1500> | 32 | 4.5 | 6.0 | 1.7 |
| **MAXIMUM** | | | | | | | **14400** | **152000** | **1500>** | **6200>** | **362** | **24.0** | **9.0** | **3.9** |
| **ARITH MEAN** | | | | | | | **4718** | **30158** | **615G** | **975G** | **52L** | **9.7** | **7.2** | **1.8** |
| **GEOM MEAN** | | | | | | | **2746** | **12294** | **405G** | **318G** | **10L** | **5.5** | **7.1** | **1.7** |
| **MINIMUM** | | | | | | | **520** | **1400** | **50** | **24** | **4<** | **0.0** | **5.0** | **0.9** |
| **STD DEV** | | | | | | | **5020** | **43117** | **508G** | **1726G** | **110L** | **8.7** | **1.4** | **0.9** |
| **NO OF SAMPLES** | | | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **11** | **11** |

| | | | TEST-NAME: | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 15 1050 | | | 3 | 1 | 0.075 | 0.037 | 0.195 | 0.870 | 0.035 | 7.510 | 7.740 | 0.675 | 8.415 | 350.0 |
| 80 02 12 1110 | | | 3 | 1 | 0.049 | 0.026 | 0.070 | 0.690 | 0.023 | 5.630 | 5.723 | 0.620 | 6.343 | 428.0 |
| 80 03 11 1030 | | | 3 | 1 | 0.098 | 0.055 | 0.225 | 0.900 | 0.035 | 4.760 | 5.020 | 0.675 | 5.695 | 418.0 |
| 80 04 15 1020 | | | 3 | 1 | 0.345 | 0.044 | 0.085 | 2.100 | 0.031 | 6.420 | 6.536 | 2.015 | 8.551 | 494.0 |
| 80 05 13 1130 | | | 3 | 1 | 0.090 | 0.024 | 0.035 | 0.880 | 0.021 | 2.900 | 2.956 | 0.845 | 3.801 | 376.0 |
| 80 06 10 1145 | | | 3 | 1 | 0.074 | 0.027 | 0.020 | 0.820 | 0.100 | 6.800 | 6.920 | 0.800 | 7.720 | 408.0 |
| 80 07 15 1015 | | | 3 | 1 | 0.110 | 0.029 | 0.015 | 0.94 | 0.015 | 2.5 | 2.530 | 0.925 | 3.455 | 423 |
| 80 08 12 1140 | | | 3 | 1 | 0.234 | 0.089 | 0.030 | 1.160 | 0.042 | 1.900 | 1.972 | 1.130 | 3.102 | 354.5 |
| 80 09 09 1025 | | | 3 | 1 | 0.158 | 0.054 | 0.020 | 0.98 | 0.009 | 0.91 | 0.939 | 0.960 | 1.899 | 373.8 |
| 80 11 11 1040 | | | 3 | 1 | 0.054 | 0.028 | 0.010 | 0.680 | 0.035 | 6.500 | 6.545 | 0.670 | 7.215 | 451.0 |
| 80 12 09 1020 | | | 3 | 1 | 0.168 | 0.093 | 0.120 | 1.020 | 0.037 | 9.700 | 9.857 | 0.900 | 10.757 | 407.2 |
| **MAXIMUM** | | | | | **0.345** | **0.093** | **0.225** | **2.100** | **0.100** | **9.700** | **9.857** | **2.015** | **10.757** | **494.0** |
| **ARITH MEAN** | | | | | **0.132** | **0.046** | **0.075** | **1.00** | **0.036** | **5.0** | **5.158** | **0.929** | **6.087** | **407** |
| **GEOM MEAN** | | | | | **0.111** | **0.041** | **0.046** | **0.95** | **0.029** | **4.1** | **4.287** | **0.876** | **5.428** | **405** |
| **MINIMUM** | | | | | **0.049** | **0.024** | **0.010** | **0.680** | **0.009** | **0.91** | **0.939** | **0.620** | **1.899** | **350.0** |
| **STD DEV** | | | | | **0.090** | **0.025** | **0.075** | **0.38** | **0.024** | **2.7** | **2.752** | **0.392** | **2.758** | **42** |
| **NO OF SAMPLES** | | | | | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** |

| | | | TEST-NAME: | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 15 1050 | | | 3 | 1 | 3.5 | 346.5 | 600.0 | 4.80 | 19.000 | 7.79 |
| 80 02 12 1110 | | | 3 | 1 | 5.0 | 423.0 | 660.0 | 3.30 | 20.000 | 7.67 |
| 80 03 11 1030 | | | 3 | 1 | 2.5 | 415.5 | 660.0 | 5.20 | 35.000 | 7.75 |
| 80 04 15 1020 | | | 3 | 1 | 118.0 | 376.0 | 486.0 | 170.00 | 16.500 | 7.93 |
| 80 05 13 1130 | | | 3 | 1 | 1.5 | 374.5 | 520.0 | 8.20 | 16.000 | 8.16 |
| 80 06 10 1145 | | | 3 | 1 | 22.0 | 386.0 | 590.0 | 12.00 | 19.000 | 8.16 |
| 80 07 15 1015 | | | 3 | 1 | 27.3 | 396 | 530 | 9.3 | 12.5 | 8.13 |
| 80 08 12 1140 | | | 3 | 1 | 52.7 | 301.8 | 412.0 | 30.00 | 14.500 | 7.89 |
| 80 09 09 1025 | | | 3 | 1 | 37.0 | 336.8 | 560 | 28 | 20.5 | 7.93 |
| 80 11 11 1040 | | | 3 | 1 | 3.1 | 447.9 | 665.0 | 3.70 | 29.000 | 8.13 |
| 80 12 09 1020 | | | 3 | 1 | 23.9 | 383.3 | 610.0 | 15.00 | 25.500 | 7.83 |
| **MAXIMUM** | | | | | **118.0** | **447.9** | **665.0** | **170.00** | **35.000** | **8.16** |
| **ARITH MEAN** | | | | | **27.0** | **380** | **572** | **26** | **20.6** | **7.94** |
| **GEOM MEAN** | | | | | **11.9** | **378** | **566** | **11** | **19.7** | **7.94** |
| **MINIMUM** | | | | | **1.5** | **301.8** | **412.0** | **3.30** | **12.5** | **7.67** |
| **STD DEV** | | | | | **34.5** | **41** | **80** | **48** | **6.6** | **0.16** |
| **NO OF SAMPLES** | | | | | **11** | **11** | **11** | **11** | **11** | **11** |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **PARKHILL CREEK**
SAMPLE POINT: **RD.BETWEEN LOTS 15&16 WEST OF PARKHILL**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **AUSABLE RIVER**

STATION ID: **08-0022-012-02**
STORET CODE: **02**
**002**
**0180**

LAT: LONG: U T M: **17 0440700.0 4781400.0 4** REGION: **01** DISTANCE: **19.955**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 15 1210 | | | .3 | 1 | 31310 | 6 | 150 | 770 | 16 | 100 | 4< | 3.0 | 4.5 | 0.7 |
| 80 02 12 1300 | | | .3 | 1 | 31322 | 4 | 100 | 650 | 20I | 20I | 4< | 0.5 | 8.0 | 1.7 |
| 80 03 11 1204 | | | .3 | 1 | 31334 | 6 | 428I | 1400 | 12 | 24 | 4< | 0.5 | 8.0 | 1.5 |
| 80 04 15 1130 | | | .3 | 1 | 31346 | 3 | 2200 | 10100 | 520 | 940 | 4< | 6.0 | 10.0 | 1.2 |
| 80 05 13 1340 | | | .3 | 1 | 31358 | 6 | 3900 | 22000 | 440 | 240 | 4< | 14.0 | 9.0 | 3.1 |
| 80 06 10 1355 | | | .3 | 1 | 31370 | 8 | 1800 | 17500 | 270 | 40I | 4< | 15.0 | 9.0 | 1.5 |
| 80 07 15 1155 | | | .3 | 1 | 31382 | 8 | 2800C | 56000 | 300 | 220 | 12 | 23.5 | 7.5 | 1.4 |
| 80 08 12 1330 | | | .3 | 1 | 31394 | 8 | 24000> | 110000 | 1500> | 600> | 320 | 21.5 | 7.5 | 2.7 |
| 80 09 09 1145 | | | .3 | 1 | 31406 | 8 6 | 3700 | 11000 | 700I | 440 | 4< | 21.0 | 5.0 | 2.1 |
| 80 10 14 1230 | | | .3 | 1 | 31418 | 6 | 2100 | 16700 | 190 | 830 | 4< | 9.0 | 9.5 | 1.6 |
| 80 11 11 1145 | | | .3 | 1 | 31430 | 6 | 120 | 800 | 60I | 50I | 4< | 3.0 | 10.5 | 2.4 |
| 80 12 09 1135 | | | .3 | 1 | 31442 | 3 | 14300C | 98000 | 600> | 600> | 4< | 4.0 | 6.5 | 2.9 |
| MAXIMUM | | | | | | | 24000> | 110000 | 1500> | 940> | 320 | 23.5 | 10.5 | 3.1 |
| ARITH MEAN | | | | | | | 4633G | 28743 | 386G | 342G | 31L | 10.1 | 7.9 | 1.9 |
| GEOM MEAN | | | | | | | 1453G | 8884 | 168G | 171G | 6L | 5.7 | 7.7 | 1.8 |
| MINIMUM | | | | | | | 100 | 650 | 12 | 20 | 4< | 0.5 | 4.5 | 0.7 |
| STD DEV | | | | | | | 7213G | 38402 | 425G | 331G | 91L | 8.6 | 1.9 | 0.7 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 15 1210 | | | .3 | 1 | 0.141 | 0.104 | 0.095 | 0.810 | 0.042 | 9.660 | 9.797 | 0.715 | 10.512 | 368.0 |
| 80 02 12 1300 | | | .3 | 1 | 0.081 | 0.043 | 0.050 | 0.800 | 0.022 | 6.800 | 6.872 | 0.750 | 7.622 | 460.0 |
| 80 03 11 1204 | | | .3 | 1 | 0.107 | 0.026 | 0.040 | 0.950 | 0.016 | 6.280 | 6.336 | 0.910 | 7.246 | 440.0 |
| 80 04 15 1130 | | | .3 | 1 | 0.240 | 0.108 | 0.130 | 1.700 | 0.045 | 8.710 | 8.885 | 1.570 | 10.455 | 402.0 |
| 80 05 13 1340 | | | .3 | 1 | 0.250 | 0.012 | 0.020 | 1.580 | 0.016 | 3.500 | 3.536 | 1.560 | 5.096 | 420.0 |
| 80 06 10 1355 | | | .3 | 1 | 0.079 | 0.016 | 0.025 | 1.080 | 0.109 | 7.200 | 7.334 | 1.055 | 8.389 | 416.0 |
| 80 07 15 1155 | | | .3 | 1 | 0.158 | 0.037 | 0.035 | 1.42 | 0.040 | 5.7 | 5.775 | 1.385 | 7.160 | 506 |
| 80 09 09 1145 | | | .3 | 1 | 0.122 | 0.011 | 0.020 | 1.360 | 0.044 | 2.760 | 2.824 | 1.340 | 4.164 | 340.0 |
| 80 10 14 1230 | | | .3 | 1 | 0.176 | 0.025 | 0.020 | 1.600 | 0.043 | 4.600 | 4.663 | 1.580 | 6.243 | 396.0 |
| 80 11 11 1145 | | | .3 | 1 | 0.066 | 0.021 | 0.005< | 0.940 | 0.028 | 7.400 | 7.433 | 0.935 | 8.368 | 491.6 |
| 80 12 09 1135 | | | .3 | 1 | 0.198 | 0.093 | 0.205 | 1.480 | 0.038 | 10.000 | 10.243 | 1.275 | 11.518 | 479.9 |
| MAXIMUM | | | | | 0.250 | 0.108 | 0.205 | 1.700 | 0.109 | 10.000 | 10.243 | 1.580 | 11.518 | 506 |
| ARITH MEAN | | | | | 0.147 | 0.045 | 0.059L | 1.24 | 0.040 | 6.6 | 6.700 | 1.189 | 7.888 | 429 |
| GEOM MEAN | | | | | 0.134 | 0.033 | 0.037L | 1.20 | 0.035 | 6.1 | 6.251 | 1.144 | 7.567 | 426 |
| MINIMUM | | | | | 0.066 | 0.011 | 0.005< | 0.800 | 0.016 | 2.760 | 2.824 | 0.715 | 4.164 | 340.0 |
| STD DEV | | | | | 0.064 | 0.038 | 0.061L | 0.33 | 0.025 | 2.3 | 2.410 | 0.329 | 2.292 | 52 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 15 1210 | | | .3 | 1 | 15.0 | 353.0 | 550.0 | 22.00 | 21.500 | 7.81 |
| 80 02 12 1300 | | | .3 | 1 | 7.5 | 452.5 | 635.0 | 5.40 | 25.000 | 7.72 |
| 80 03 11 1204 | | | .3 | 1 | 9.0 | 431.0 | 625.0 | 5.00 | 35.000 | 7.86 |
| 80 04 15 1130 | | | .3 | 1 | 44.0 | 358.0 | 499.0 | 66.00 | 20.000 | 7.94 |
| 80 05 13 1340 | | | .3 | 1 | 65.0 | 355.0 | 515.0 | 46.00 | 18.500 | 8.06 |
| 80 06 10 1355 | | | .3 | 1 | 33.0 | 383.0 | 530.0 | 18.00 | 20.500 | 8.13 |
| 80 07 15 1155 | | | .3 | 1 | 91.7 | 414 | 530 | 22 | 20.0 | 8.02 |
| 80 09 09 1145 | | | .3 | 1 | 53.1 | 286.9 | 472.0 | 35.00 | 21.500 | 8.04 |
| 80 10 14 1230 | | | .3 | 1 | 32.4 | 363.6 | 560.0 | 21.00 | 27.500 | 8.13 |
| 80 11 11 1145 | | | .3 | 1 | 6.9 | 484.7 | 690.0 | 7.60 | 28.000 | 8.04 |
| 80 12 09 1135 | | | .3 | 1 | 28.4 | 451.5 | 655.0 | 20.00 | 30.500 | 7.93 |
| MAXIMUM | | | | | 91.7 | 484.7 | 690.0 | 66.00 | 35.000 | 8.13 |
| ARITH MEAN | | | | | 35.1 | 393 | 569 | 24 | 24.3 | 7.97 |
| GEOM MEAN | | | | | 25.5 | 389 | 565 | 18 | 23.8 | 7.97 |
| MINIMUM | | | | | 6.9 | 286.9 | 472.0 | 5.00 | 18.500 | 7.72 |
| STD DEV | | | | | 28.8 | 58 | 70 | 18 | 5.2 | 0.13 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B O W / SITE **AUSABLE RIVER**
SAMPLE POINT **AT HIGHWAY 21 GRAND BEND**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **AUSABLE RIVER**

STATION ID **08-0022-013-02**
STORET CODE **02**
**002**
**0180**

LAT LONG U T M **17 0438600.0 4795450.0 4** REGION **01** DISTANCE **0.805**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT DEM MG/L AS O |
| 80 01 15 1115 | | | 3 | 1 | 31307 | 4 | 2500 | 5400 | 260 | 1500 | 4 | 1 5 | 4 0 | 1 3 |
| 80 02 12 1140 | | | 3 | 1 | 31319 | 4 | 4500 | 5500 | 410 | 50I | 12 | 0 5 | 8 5 | 2 7 |
| 80 03 11 1100 | | | 3 | 1 | 31331 | 4 | 8200 | 14900 | 360 | 448 | 16 | 0 0 | 9 0 | 2 3 |
| 80 04 15 1050 | | | 3 | 1 | 31343 | 3 | 5100C | 32000 | 1100 | 6400 | 8 | 4 5 | 8 0 | 1 6 |
| 80 05 13 1205 | | | 3 | 1 | 31355 | 6 | 1500 | 4700 | 150 | 40I | 4< | 14 0 | 4 0 | 3 0 |
| 80 06 10 1210 | | | 3 | 1 | 31367 | 6 | 1200 | 8900 | 140 | 80I | 4< | 15 0 | 8 0 | 1 3 |
| 80 07 15 1045 | | | 3 | 1 | 31379 | 6 | 2900C | 32000 | 170 | 84 | 4 | 23 0 | 7 5 | 2 4 |
| 80 08 12 1208 | | | 3 | 1 | 31391 | 8 | 12000C | 220000 | 1500> | 600> | 148 | 22 5 | 5 5 | 2 3 |
| 80 09 09 1050 | | | 3 | 1 | 31403 | 8 | 700I | 7000 | 100I | 30I | 36 | 21 0 | 4 5 | 1 6 |
| 80 10 14 1125 | | | 3 | 1 | 31415 | 6 | 8600C | 52000 | 1100 | 1500> | 72 | 8 5 | 10 0 | 1 0 |
| 80 11 11 1100 | | | 3 | 1 | 31427 | 6 | 780C | 3300 | 130 | 300 | 4< | 4 5 | 6 0 | 1 8 |
| 80 12 09 1045 | | | 3 | 1 | 31439 | 6 | 20000C | 500000 | 1300 | 1500> | 32 | 4 5 | 4 0 | 2 3 |
| MAXIMUM | | | | | | | 20000 | 500000 | 1500> | 6400> | 148 | 23.0 | 10.0 | 3.0 |
| ARITH MEAN | | | | | | | 5665 | 73808 | 560G | 1044G | 29L | 10.0 | 6 6 | 2.0 |
| GEOM MEAN | | | | | | | 3442 | 19197 | 356G | 307G | 13L | 5 8 | 6.2 | 1.9 |
| MINIMUM | | | | | | | 700 | 3300 | 100 | 30 | 4< | 0.0 | 4.0 | 1.0 |
| STD DEV | | | | | | | 5767 | 147182 | 527G | 1791G | 43L | 8.8 | 2.2 | 0.6 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | * KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 15 1115 | | | 3 | 1 | 0 110 | 0 077 | 0 105 | 0 980 | 0 037 | 11 100 | 11 242 | 0 875 | 12 117 | 408 0 |
| 80 02 12 1140 | | | 3 | 1 | 0 071 | 0 038 | 0 265 | 1 190 | 0 025 | 9 000 | 9 290 | 0 925 | 10 215 | 606 0 |
| 80 03 11 1100 | | | 3 | 1 | 0 106 | 0 035 | 0 080 | 1 080 | 0 016 | 6 630 | 6 726 | 1 000 | 7 726 | 502 0 |
| 80 04 15 1050 | | | 3 | 1 | 0 385 | 0 087 | 0 050 | 4 150 | 0 036 | 7 560 | 7 646 | 4 100 | 11 746 | 592 0 |
| 80 05 13 1205 | | | 3 | 1 | 0 178 | 0 007 | 0 035 | 1 460 | 0 030 | 5 000 | 5 065 | 1 425 | 6 490 | 536 0 |
| 80 06 10 1210 | | | 3 | 1 | 0 076 | 0 019 | 0 025 | 1 100 | 0 065 | 7 800 | 7 890 | 1 075 | 8 965 | 482 0 |
| 80 07 15 1045 | | | 3 | 1 | 0 116 | 0 015 | 0 035 | 1 38 | 0 044 | 5 2 | 5 279 | 1 345 | 6 624 | 544 |
| 80 08 12 1208 | | | 3 | 1 | 0 157 | 0 003 | 0 060 | 1 260 | 0 001 | 3 300 | 3 361 | 1 200 | 4 561 | 496 7 |
| 80 09 09 1050 | | | 3 | 1 | 0 090 | 0 012 | 0 030 | 1 060 | 0 024 | 1 330 | 1 384 | 1 030 | 2 414 | 381 0 |
| 80 10 14 1125 | | | 3 | 1 | 0 086 | 0 040 | 0 035 | 1 02 | 0 041 | 10 2 | 10 276 | 0 985 | 11 261 | 467 8 |
| 80 11 11 1100 | | | 3 | 1 | 0 063 | 0 009 | 0 020 | 0 890 | 0 028 | 7 200 | 7 248 | 0 870 | 8 118 | 543 0 |
| 80 12 09 1045 | | | 3 | 1 | 0 250 | 0 102 | 0 055 | 1 440 | 0 034 | 1 600 | 1 689 | 1 385 | 3 074 | 544 0 |
| MAXIMUM | | | | | 0.385 | 0.102 | 0.265 | 4.150 | 0.065 | 11.100 | 11.242 | 4.100 | 12.117 | 606.0 |
| ARITH MEAN | | | | | 0.141 | 0.037 | 0.086 | 1.41 | 0.032 | 6 3 | 6.425 | 1.351 | 7.778 | 508 |
| GEOM MEAN | | | | | 0.121 | 0.023 | 0.050 | 1.28 | 0.024 | 5.3 | 5.434 | 1.212 | 6.981 | 504 |
| MINIMUM | | | | | 0.063 | 0.003 | 0.020 | 0.890 | 0.001 | 1.330 | 1.384 | 0.870 | 2 414 | 381.0 |
| STD DEV | | | | | 0.094 | 0.034 | 0.067 | 0.88 | 0.016 | 3.1 | 3.177 | 0.887 | 3.281 | 67 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | PHNOL | SOLEXT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC MG/L | RESIDUE FILTERED MG/L | CONDUCT 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PHENOLS UNF-REAC UG/L PHENOL | SOLVENT EXTRACT MG/L |
| 80 01 15 1115 | | | 3 | 1 | 14 0 | 394 0 | 640 0 | 21 00 | 25 500 | 7 63 | 1 000< | 0 |
| 80 02 12 1140 | | | 3 | 1 | 14 5 | 591 5 | 780 0 | 14 00 | 30 500 | 7 76 | 1 000< | 2 |
| 80 03 11 1100 | | | 3 | 1 | 11.0 | 491 0 | 735 0 | 10 00 | 43 500 | 7 73 | 1 0 < | |
| 80 04 15 1050 | | | 3 | 1 | 185 0 | 409 0 | 454 0 | 210 00 | 17 500 | 7 86 | 1 000< | |
| 80 05 13 1205 | | | 3 | 1 | 108 0 | 428 0 | 610 0 | 75 00 | 20 500 | 8 15 | 1 0 < | |
| 80 06 10 1210 | | | 3 | 1 | 53 0 | 429 0 | 630 0 | 43 00 | 23 000 | 8 05 | 1 0 < | |
| 80 07 15 1045 | | | 3 | 1 | 56 6 | 487 | 620 | 33 | 21 5 | 8 11 | 1 0 < | 0 |
| 80 08 12 1208 | | | 3 | 1 | 59 8 | 436 9 | 580 0 | 55 00 | 25 500 | 7 84 | 1 000< | 2 |
| 80 09 09 1050 | | | 3 | 1 | 35 9 | 345 1 | 540 0 | 44 00 | 24 000 | 8 11 | 1 000< | 0 |
| 80 10 14 1125 | | | 3 | 1 | 15 4 | 452 4 | 720 | 21 | 30 0 | 7 96 | 1 0 < | |
| 80 11 11 1100 | | | 3 | 1 | 23 7 | 519 3 | 730 0 | 21 00 | 29 000 | 8 15 | 1 000< | 38 |
| 80 12 09 1045 | | | 3 | 1 | 152 8 | 391 2 | 605 0 | 140 00 | 27 000 | 7 73 | 1 000< | 2 |
| MAXIMUM | | | | | 185.0 | 591 5 | 780.0 | 210.00 | 43.500 | 8.15 | 1.000 | 38 |
| ARITH MEAN | | | | | 60.8 | 447 | 637 | 57 | 26.4 | 7.92 | 1.0 L | 6 |
| GEOM MEAN | | | | | 39.8 | 443 | 630 | 38 | 25.7 | 7.92 | 1.0 L | 2 |
| MINIMUM | | | | | 11.0 | 345.1 | 454.0 | 10.00 | 17 500 | 7.63 | 1.000< | 0 |
| STD DEV | | | | | 56.1 | 68 | 92 | 69 | 6 6 | 0.19 | 0.0 L | 14 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 7 |

SAMPLE INFORMATION SYSTEM  1980 WATER QUALITY DATA  DATE OF REPORT: 29 AUG 81

B.O.W./SITE **AUSABLE RIVER**
SAMPLE POINT **AT FIRST CONC.WEST OF HIGHWAY 4 EXETER**
STATION TYPE **RIVER FLOW GAUGE MOE 03FF103**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **AUSABLE RIVER**

STATION ID **08-0022-016-02**
STORET CODE **02**
**002**
**0180**

LAT. LONG. U T M **17 0458700.0 4800950.0 4** REGION **01** DISTANCE **134.377**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT DEM MG/L AS O |
| 80 01 15 1020 | | 3 | 1 | 31305 | 6 | 1320C | 3200 | 236 | 600 | 4< | 1.0 | 4.5 | 1.1 |
| 80 02 12 1050 | | 3 | 1 | 31317 | 4 | 3200 | 3100 | 190 | 250 | 4< | 0.0 | 7.0 | 1.7 |
| 80 03 11 1010 | | 3 | 1 | 31329 | 4 | 8900C | 24000 | 1400 | 230 | 4< | 0.0 | 10.5 | 2.3 |
| 80 04 15 1010 | | 3 | 1 | 31341 | 3 | 7100C | 28000 | 2700 | 5400 | 24 | 4.5 | 7.0 | 2.0 |
| 80 05 13 1105 | | 3 | 1 | 31353 | 6 | 15000 | 32000 | 1400 | 320 | 12 | 12.5 | 8.5 | 2.1 |
| 80 06 10 1115 | | 3 | 1 | 31365 | 8 | 2800 | 14200 | 270 | 260 | 4< | 15.0 | 11.5 | 1.4 |
| 80 07 15 0935 | | 3 | 1 | 31377 | 8 | 6000C | 51000 | 1500> | 840 | 180 | 23.0 | 5.0 | 2.5 |
| 80 08 12 1045 | | 3 | 1 | 31389 | 8 | 14000 | 36000 | 1500> | 1150 | 224 | 21.5 | 3.0 | 1.6 |
| 80 09 09 1010 | | 3 | 1 | 31401 | 8 | 10000 | 60000 | 2200 | 290 | 4 | 19.5 | 5.0 | 1.4 |
| 80 10 14 1030 | | 3 | 1 | 31413 | 6 | 3300 | 13700 | 230 | 750 | 4< | 8.5 | 10.0 | 1.9 |
| 80 11 11 1025 | | 3 | 1 | 31425 | 6 | 800I | 2000 | 90I | 30I | 4 | 3.0 | 5.5 | 1.3 |
| 80 12 09 0955 | | 3 | 1 | 31437 | 3 | 7200C | 158000 | 600> | 600> | 16 | 3.5 | 7.0 | 1.6 |
| MAXIMUM | | | | | | 15000 | 158000 | 2700> | 5400> | 224 | 23.0 | 11.5 | 2.5 |
| ARITH MEAN | | | | | | 6635 | 35433 | 1026G | 893G | 40L | 9.3 | 7.0 | 1.7 |
| GEOM MEAN | | | | | | 4872 | 18338 | 630G | 444G | 11L | 5.5 | 6.6 | 1.7 |
| MINIMUM | | | | | | 800 | 2000 | 90 | 30 | 4< | 0.0 | 3.0 | 1.1 |
| STD DEV | | | | | | 4686 | 42644 | 879G | 1464G | 78L | 8.6 | 2.6 | 0.4 |
| NO OF SAMPLES | | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NOC-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 15 1020 | | 3 | 1 | 0.063 | 0.038 | 0.060 | 0.500 | 0.018 | 7.580 | 7.658 | 0.440 | 8.098 | 318.0 |
| 80 02 12 1050 | | 3 | 1 | 0.027 | 0.018 | 0.080 | 0.370 | 0.016 | 6.480 | 6.576 | 0.290 | 6.866 | 380.0 |
| 80 03 11 1010 | | 3 | 1 | 0.133 | 0.067 | 1.000 | 1.600 | 0.043 | 5.060 | 6.103 | 0.600 | 6.703 | 434.0 |
| 80 04 15 1010 | | 3 | 1 | 0.495 | 0.088 | 0.095 | 1.850 | 0.029 | 5.970 | 6.094 | 1.755 | 7.849 | 494.0 |
| 80 05 13 1105 | | 3 | 1 | 0.059 | 0.016 | 0.095 | 0.790 | 0.039 | 3.500 | 3.634 | 0.695 | 4.329 | 262.0 |
| 80 06 10 1115 | | 3 | 1 | 0.046 | 0.012 | 0.005< | 0.730 | 0.050 | 6.900 | 6.955 | 0.725 | 7.680 | 364.0 |
| 80 07 15 0935 | | 3 | 1 | 0.045 | 0.006 | 0.025 | 0.70 | 0.063 | 3.2 | 3.288 | 0.675 | 3.963 | 317 |
| 80 08 12 1045 | | 3 | 1 | 0.051 | 0.025 | 0.020 | 0.780 | 0.018 | 2.100 | 2.138 | 0.760 | 2.898 | 343.4 |
| 80 09 09 1010 | | 3 | 1 | 0.043 | 0.009 | 0.035 | 0.74 | 0.009 | 0.76 | 0.804 | 0.705 | 1.509 | 296.4 |
| 80 10 14 1030 | | 3 | 1 | 0.72 | 0.580 | 0.075 | 1.14 | 0.048 | 2.9 | 3.023 | 1.065 | 4.088 | 498.6 |
| 80 11 11 1025 | | 3 | 1 | 0.019 | 0.002 | 0.005 | 0.530 | 0.031 | 7.200 | 7.236 | 0.525 | 7.761 | 404.0 |
| 80 12 09 0955 | | 3 | 1 | 0.134 | 0.066 | 0.085 | 1.000 | 0.029 | 12.200 | 12.314 | 0.915 | 13.229 | 420.6 |
| MAXIMUM | | | | 0.72 | 0.580 | 1.000 | 1.850 | 0.063 | 12.200 | 12.314 | 1.755 | 13.229 | 498.6 |
| ARITH MEAN | | | | 0.15 | 0.077 | 0.132L | 0.89 | 0.033 | 5.3 | 5.486 | 0.782 | 6.248 | 377 |
| GEOM MEAN | | | | 0.07 | 0.026 | 0.047L | 0.80 | 0.029 | 4.3 | 4.617 | 0.694 | 5.464 | 370 |
| MINIMUM | | | | 0.019 | 0.002 | 0.005< | 0.370 | 0.009 | 0.76 | 0.804 | 0.290 | 1.509 | 262.0 |
| STD DEV | | | | 0.22 | 0.161 | 0.276L | 0.44 | 0.016 | 3.0 | 3.104 | 0.373 | 3.117 | 75 |
| NO OF SAMPLES | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 15 1020 | | 3 | 1 | 5.0 | 313.0 | 570.0 | 4.20 | 17.000 | 7.79 |
| 80 02 12 1050 | | 3 | 1 | 2.0 | 378.0 | 620.0 | 1.10 | 20.500 | 8.01 |
| 80 03 11 1010 | | 3 | 1 | 1.0 | 433.0 | 690.0 | 5.10 | 47.000 | 8.05 |
| 80 04 15 1010 | | 3 | 1 | 128.0 | 250.000 | 385.0 | 190.00 | 12.000 | 8.00 |
| 80 05 13 1105 | | 3 | 1 | 4.5 | 257.5 | 457.0 | 5.20 | 20.500 | 8.15 |
| 80 06 10 1115 | | 3 | 1 | 4.0 | 360.0 | 540.0 | 4.80 | 24.000 | 8.43 |
| 80 07 15 0935 | | 3 | 1 | 10.6 | 306 | 434 | 4.0 | 32.0 | 7.82 |
| 80 08 12 1045 | | 3 | 1 | 7.3 | 336.1 | 492.0 | 3.00 | 26.500 | 8.09 |
| 80 09 09 1010 | | 3 | 1 | 8.4 | 288.0 | 485 | 2.4 | 29.0 | 7.89 |
| 80 10 14 1030 | | 3 | 1 | 6.2 | 492.4 | 858 | 4.5 | 112 | 8.23 |
| 80 11 11 1025 | | 3 | 1 | 10.5 | 393.5 | 645.0 | 2.70 | 28.000 | 8.10 |
| 80 12 09 0955 | | 3 | 1 | 25.0 | 395.6 | 600.0 | 12.00 | 21.000 | 7.91 |
| MAXIMUM | | | | 128.0 | 492.4 | 858 | 190.00 | 112 | 8.43 |
| ARITH MEAN | | | | 17.7 | 360 | 564 | 19.9 | 32 | 8.04 |
| GEOM MEAN | | | | 7.3 | 343 | 551 | 6.2 | 27 | 8.04 |
| MINIMUM | | | | 1.0 | 250.000 | 385.0 | 1.10 | 12.000 | 7.79 |
| STD DEV | | | | 35.3 | 72 | 129 | 53.6 | 26 | 0.18 |
| NO OF SAMPLES | | | | 12 | 12 | 12 | 12 | 12 | 12 |

BOW / SITE **AUSABLE RIVER**
SAMPLE POINT **AT MORRISON DAM EAST OF EXETER**
STATION TYPE **RIVER FLOW GAUGE MOE 02FF104**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **AUSABLE RIVER**

STATION ID **08-0022-017-02**

STORET CODE **02**
**002**
**0190**

LAT LONG U T M **17 0463050.0 4800550.0 4** REGION **01** DISTANCE **136.630**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT DEM MG/L AS O |
| 80 01 15 0825 | | | 3 | 1 | 31300 | 4 | 900I | 10800 | 384 | 1500> | 4< | 1.0 | 8.5 | 1.0 |
| 80 02 12 0830 | | | 3 | 1 | 31312 | 4 | 330C | 2700 | 40I | 570 | 4< | 0.0 | 12.5 | 2.4 |
| 80 03 11 0820 | | | 3 | 1 | 31324 | 4 | 20I | 180 | 20 | 50I | 4< | 0.0 | 9.0 | 2.7 |
| 80 04 15 0810 | | | 3 | 1 | 31336 | 3 | 4100C | 32000 | 1500 | 5800 | | 4.5 | 8.0 | 1.4 |
| 80 05 13 0836 | | | 3 | 1 | 31348 | 6 | 270 | 1000 | 40I | 20I | 4< | 18.0 | 12.5 | 2.3 |
| 80 06 10 0840 | | | 3 | 1 | 31360 | 8 | 40C | 3800 | 12 | 4< | 4< | 15.0 | 8.5 | 0.7 |
| 80 07 15 0730 | | | 3 | 1 | 31372 | 8 | 4200 | 8100 | 4 | 12 | 4< | 22.5 | 10.5 | 1.2 |
| 80 08 12 0845 | | | 3 | 1 | 31384 | 7 | 250C | 4000 | 4 | 64 | 4< | 23.0 | 8.0 | 3.2 |
| 80 09 09 0810 | | | 3 | 1 | 31396 | 7 | 140C | 11000 | 10I | 8 | 4< | 21.0 | 5.0 | 1.4 |
| 80 10 14 0845 | | | 3 | 1 | 31408 | 6 | 740C | 6900 | 200 | 730 | 4< | 9.0 | 7.0 | 1.6 |
| 80 11 11 0835 | | | 3 | 1 | 31420 | 6 | 30I | 690 | 10< | 30I | 4< | 4.0 | 7.5 | 2.0 |
| 80 12 09 0815 | | | 3 | 1 | 31432 | 6 | 9200C | 240000 | 600> | 600> | 12 | 2.0 | 4.5 | 1.8 |
| MAXIMUM | | | | | | | 9200 | 240000 | 1500> | 5800> | 12 | 23.0 | 12.5 | 3.2 |
| ARITH MEAN | | | | | | | 1886 | 26764 | 2358 | 7828 | 5L | 10.0 | 8.5 | 1.8 |
| GEOM MEAN | | | | | | | 378 | 6026 | 438 | 1048 | 4L | 5.6 | 8.1 | 1.7 |
| MINIMUM | | | | | | | 20 | 180 | 4< | 4< | 4< | 0.0 | 4.5 | 0.7 |
| STD DEV | | | | | | | 2807 | 67701 | 4418 | 16468 | 2L | 8.3 | 2.6 | 0.7 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 11 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 15 0825 | | | 3 | 1 | 0.078 | 0.050 | 0.125 | 0.600 | 0.023 | 7.430 | 7.578 | 0.475 | 8.053 | 308.0 |
| 80 02 12 0830 | | | 3 | 1 | 0.034 | 0.010 | 0.050 | 0.430 | 0.018 | 6.900 | 6.968 | 0.380 | 7.348 | 358.0 |
| 80 03 11 0820 | | | 3 | 1 | 0.067 | 0.003 | 0.225 | 0.900 | 0.032 | 5.970 | 6.227 | 0.675 | 6.902 | 380.0 |
| 80 04 15 0810 | | | 3 | 1 | 0.540 | 0.102 | 0.100 | 1.700 | 0.029 | 5.620 | 5.749 | 1.600 | 7.349 | 492.0 |
| 80 05 13 0835 | | | 3 | 1 | 0.021 | 0.001 | 0.030 | 0.630 | 0.041 | 4.300 | 4.371 | 0.600 | 4.971 | 274.0 |
| 80 06 10 0840 | | | 3 | 1 | 0.023 | 0.005 | 0.050 | 0.670 | 0.093 | 8.000 | 8.143 | 0.620 | 8.763 | 376.0 |
| 80 07 15 0730 | | | 3 | 1 | 0.019 | 0.001 | 0.020 | 0.69 | 0.093 | 6.9 | 7.013 | 0.670 | 7.683 | 333 |
| 80 08 12 0845 | | | 3 | 1 | 0.037 | 0.001 | 0.015 | 1.080 | 0.075 | 3.200 | 3.290 | 1.065 | 4.355 | 319.6 |
| 80 09 09 0810 | | | 3 | 1 | 0.027 | 0.002 | 0.080 | 0.850 | 0.049 | 1.130 | 1.239 | 0.790 | 2.029 | 226.6 |
| 80 10 14 0845 | | | 3 | 1 | 0.037 | 0.001< | 0.065 | 0.81 | 0.080 | 3.6 | 3.745 | 0.745 | 4.490 | 341.1 |
| 80 11 11 0835 | | | 3 | 1 | 0.022 | 0.003 | 0.010 | 0.600 | 0.049 | 7.600 | 7.659 | 0.590 | 8.249 | 368.6 |
| 80 12 09 0815 | | | 3 | 1 | 0.142 | 0.072 | 0.065 | 1.140 | 0.028 | 12.300 | 12.393 | 1.075 | 13.468 | 403.0 |
| MAXIMUM | | | | | 0.540 | 0.102 | 0.225 | 1.700 | 0.093 | 12.300 | 12.393 | 1.600 | 13.468 | 492.0 |
| ARITH MEAN | | | | | 0.087 | 0.021L | 0.068 | 0.84 | 0.051 | 6.0 | 6.198 | 0.774 | 6.972 | 348 |
| GEOM MEAN | | | | | 0.046 | 0.005L | 0.048 | 0.78 | 0.044 | 5.3 | 5.448 | 0.720 | 6.366 | 342 |
| MINIMUM | | | | | 0.019 | 0.001< | 0.010 | 0.430 | 0.018 | 1.130 | 1.239 | 0.380 | 2.029 | 226.6 |
| STD DEV | | | | | 0.147 | 0.034L | 0.060 | 0.34 | 0.027 | 2.8 | 2.881 | 0.332 | 2.887 | 66 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC MG/L | RESIDUE FILTERED MG/L | CONDUCT 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 15 0825 | | | 3 | 1 | 6.5 | 301.5 | 550.0 | 5.80 | 14.000 | 7.83 |
| 80 02 12 0830 | | | 3 | 1 | 0.5 | 357.5 | 615.0 | 1.70 | 14.000 | 7.32 |
| 80 03 11 0820 | | | 3 | 1 | 0.5< | | 625.0 | 1.50 | 15.500 | 7.85 |
| 80 04 15 0810 | | | 3 | 1 | 131.0 | 242.500 | 373.0 | 230.00 | 11.000 | 7.87 |
| 80 05 13 0835 | | | 3 | 1 | 9.5 | 284.5 | 469.0 | 2.10 | 13.500 | 8.20 |
| 80 06 10 0840 | | | 3 | 1 | 10.0 | 366.0 | 530.0 | 2.80 | 16.000 | 8.11 |
| 80 07 15 0730 | | | 3 | 1 | 1.1 | 332 | 1360 | 0.90 | 14.0 | 8.38 |
| 80 08 12 0845 | | | 3 | 1 | 5.0 | 314.6 | 457.0 | 1.20 | 17.000 | 7.97 |
| 80 09 09 0810 | | | 3 | 1 | 2.8 | 248 | 382 | 1.1 | 18.0 | 7.80 |
| 80 10 14 0845 | | | 3 | 1 | 12.4 | 328.7 | 540 | 4.6 | 22.5 | 8.03 |
| 80 11 11 0835 | | | 3 | 1 | 7.3 | 361.3 | 620.0 | 3.10 | 21.500 | 8.00 |
| 80 12 09 0815 | | | 3 | 1 | 18.1 | 384.9 | 585.0 | 11.00 | 19.500 | 7.82 |
| MAXIMUM | | | | | 131.0 | 384.9 | 1360 | 230.00 | 22.5 | 8.38 |
| ARITH MEAN | | | | | 17.1L | 318 | 592 | 22.1 | 16.3 | 7.93 |
| GEOM MEAN | | | | | 5.3L | 314 | 558 | 3.6 | 16.0 | 7.93 |
| MINIMUM | | | | | 0.5< | 242.500 | 373.0 | 0.90 | 11.000 | 7.32 |
| STD DEV | | | | | 38.3L | 49 | 258 | 65.5 | 3.4 | 0.26 |
| NO OF SAMPLES | | | | | 12 | 11 | 12 | 12 | 12 | 12 |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./SITE: **BAYFIELD RIVER**
SAMPLE POINT: **FIRST CONCESSION DOWNSTREAM FROM CLINTON**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **BAYFIELD RIVER**

STATION ID: **08-0040-006-02**

STORET CODE: **02**
**302**
**0370**

LAT LONG U T M: **17 0454950.0 4826100.0 4** REGION: **01** DISTANCE: **21.243**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM MG/L AS O |
| 80 01 15 0920 | | | 3 | 1 | 31302 | 4 | 1200 | 9100 | 292 | 1050 | 4< | 1 5 | 10 0 | 1 2 |
| 80 02 12 0950 | | | 3 | 1 | 31314 | 4 | 2000 | 4500 | 480 | 20I | 4< | 0 5 | 6 0 | 1 5 |
| 80 03 11 0930 | | | 3 | 1 | 31326 | 4 | 1700 | 9300 | 670 | 460 | 4< | 0 0 | 6 0 | 1 6 |
| 80 04 15 0915 | | | 3 | 1 | 31338 | 3 | 7500C | 27000 | 3000 | 5100 | | 4 5 | 10 0 | 2 2 |
| 80 05 13 0955 | | | 3 | 1 | 31350 | 6 | 290C | 14000 | 130 | 20I | 4< | 13 0 | 7 5 | 2 3 |
| 80 06 10 1010 | | | 3 | 1 | 31362 | 8 | 400C | 3600 | 60 | 4 | 4< | 13 0 | 11 0 | 0 6 |
| 80 07 15 0830 | | | 3 | 1 | 31374 | 8 | 900C | 32000 | 204 | 176 | 4< | 22 0 | 6 5 | 1 6 |
| 80 08 12 0945 | | | 3 | 1 | 31386 | 8 | 1400 | 24000 | 90I | 152 | 4 | 21 0 | | 1 1 |
| 80 09 09 0920 | | | 3 | 1 | 31398 | 8 5 | 2000 | 14000 | 76 | 112 | 4< | 18 0 | 8 5 | 2 0 |
| 80 10 14 0950 | | | 3 | 1 | 31410 | 6 | 1500> | 9600 | 370 | 1000 | 12 | 7 5 | 10 0 | 0 7 |
| 80 11 11 0950 | | | 3 | 1 | 31422 | 6 | 80I | 1460 | 40I | 30I | 4< | 2 5 | 9 5 | 0 5 |
| 80 12 09 0910 | | | 3 | 1 | 31434 | 3 | 11800C | 95000 | 600> | 600> | 20 | 4 0 | 6 0 | 1 5 |
| MAXIMUM | | | | | | | 11800> | 95000 | 3000> | 5100> | 20 | 22.0 | 11.0 | 2.3 |
| ARITH MEAN | | | | | | | 2564G | 20297 | 601G | 727G | 6L | 9.0 | 8.3 | 1.4 |
| GEOM MEAN | | | | | | | 1238G | 11818 | 234G | 156G | 6L | 6.2 | 8.1 | 1.3 |
| MINIMUM | | | | | | | 80 | 1460 | 40 | 4 | 4< | 0.0 | 6.0 | 0.5 |
| STD DEV | | | | | | | 3493G | 25406 | 816G | 1427G | 6L | 8.1 | 1.9 | 0.6 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 11 | 12 | 11 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 15 0920 | | | 3 | 1 | 0 108 | 0 085 | 0 205 | 0 590 | 0.033 | 8 420 | 8 658 | 0.385 | 9 043 | 298 0 |
| 80 02 12 0950 | | | 3 | 1 | 0 165 | 0 142 | 0 495 | 0 880 | 0 076 | 6 620 | 7 191 | 0 385 | 7 576 | 416 0 |
| 80 03 11 0930 | | | 3 | 1 | 0 270 | 0 220 | 0 765 | 1 260 | 0 081 | 5 620 | 6 466 | 0 495 | 6 961 | 454 0 |
| 80 04 15 0915 | | | 3 | 1 | 0 770 | 0 092 | 0 125 | 2 350 | 0 041 | 5 910 | 6 076 | 2 225 | 8 301 | 632 0 |
| 80 05 13 0955 | | | 3 | 1 | 0 053 | 0 015 | 0 020 | 0 620 | 0 091 | 4 000 | 4 111 | 0 600 | 4 711 | 296 0 |
| 80 06 10 1010 | | | 3 | 1 | 0 049 | 0 038 | 0 005 | 0 530 | 0 071 | 6 400 | 6 476 | 0 525 | 7 001 | 370 0 |
| 80 07 15 0830 | | | 3 | 1 | 0 103 | 0 050 | 0 030 | 0 96 | 0 027 | 1 80 | 1 857 | 0 930 | 2 787 | 347 |
| 80 08 12 0945 | | | 3 | 1 | 0 084 | 0 064 | 0 025 | 0 660 | 0 026 | 2 900 | 2 951 | 0 635 | 3 586 | 391 1 |
| 80 09 09 0920 | | | 3 | 1 | 0 103 | 0 074 | 0 015 | 0 580 | 0 004 | 0 240 | 0 259 | 0 565 | 0 824 | 318 0 |
| 80 10 14 0950 | | | 3 | 1 | 0 044 | 0 024 | 0 010 | 0 63 | 0 037 | 7 6 | 7 647 | 0 620 | 8 267 | 413 8 |
| 80 11 11 0950 | | | 3 | 1 | 0 028 | 0 015 | 0 655 | 1 110 | 0 090 | 8 400 | 9 145 | 0 455 | 9 600 | 505 9 |
| 80 12 09 0910 | | | 3 | 1 | 0 162 | 0 082 | 0 100 | 1 140 | 0 038 | 11 800 | 11 938 | 1 040 | 12 978 | 414 5 |
| MAXIMUM | | | | | 0.770 | 0.220 | 0.765 | 2.350 | 0.091 | 11.800 | 11.938 | 2.225 | 12.978 | 632.0 |
| ARITH MEAN | | | | | 0.162 | 0.075 | 0.204 | 0.94 | 0.051 | 5.8 | 6.065 | 0.738 | 6.803 | 404 |
| GEOM MEAN | | | | | 0.106 | 0.058 | 0.066 | 0.86 | 0.040 | 4.3 | 4.542 | 0.643 | 5.671 | 396 |
| MINIMUM | | | | | 0.028 | 0.015 | 0.005 | 0.530 | 0.004 | 0.240 | 0.259 | 0.385 | 0.824 | 296.0 |
| STD DEV | | | | | 0.203 | 0.059 | 0.276 | 0.51 | 0.029 | 3.1 | 3.290 | 0.509 | 3.339 | 95 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURBITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 15 0920 | | | 3 | 1 | 4 5 | 293 5 | 550 0 | 4 30 | 19 500 | 7 89 |
| 80 02 12 0950 | | | 3 | 1 | 3 5 | 412 5 | 695 0 | 1 20 | 37 000 | 7 80 |
| 80 03 11 0930 | | | 3 | 1 | 0 5 | 453 5 | 760 0 | 1 20 | 56 000 | 7 94 |
| 80 04 15 0915 | | | 3 | 1 | 276 0 | 256 000 | 394 0 | 300 00 | 13 500 | 7 92 |
| 80 05 13 0955 | | | 3 | 1 | 1 5 | 294 5 | 510 0 | 0 75 | 23 500 | 8 10 |
| 80 06 10 1010 | | | 3 | 1 | 7 0 | 363 0 | 570 0 | 9 80 | 24 000 | 8 29 |
| 80 07 15 0830 | | | 3 | 1 | 5 5 | 341 | 505 | 1 3 | 31 5 | 7 99 |
| 80 08 12 0945 | | | 3 | 1 | 2 8 | 388 3 | 570 0 | 10 00 | 25 500 | 8 22 |
| 80 09 09 0920 | | | 3 | 1 | 4 7 | 313 3 | 570 | 1 6 | 45 5 | 8 04 |
| 80 10 14 0950 | | | 3 | 1 | 2 1 | 411 7 | 668 | 1 4 | 31 5 | 8 13 |
| 80 11 11 0950 | | | 3 | 1 | 0 2 | 506 7 | 775 0 | 0 95 | 42 500 | 8 11 |
| 80 12 09 0910 | | | 3 | 1 | 27 7 | 386 8 | 585 0 | 15 00 | 20 000 | 7 84 |
| MAXIMUM | | | | | 276.0 | 506.7 | 775.0 | 300.00 | 56.000 | 8.29 |
| ARITH MEAN | | | | | 28.0 | 368 | 596 | 28.9 | 30.8 | 8.02 |
| GEOM MEAN | | | | | 4.0 | 361 | 586 | 3.6 | 28.6 | 8.02 |
| MINIMUM | | | | | 0.2 | 256.000 | 394.0 | 0.75 | 13.500 | 7.80 |
| STD DEV | | | | | 76.4 | 72 | 112 | 85.4 | 12.4 | 0.15 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 |

B.O.W./SITE **BAYFIELD RIVER**
SAMPLE POINT **AT HURON COUNTY ROAD 31 NORTH OF VARNA**
STATION TYPE **RIVER FLOW GAUGE FED 02FF007**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **BAYFIELD RIVER**

STATION ID **08-0040-008-02**
STORET CODE **02**
**002**
**0370**

LAT LONG U T M **17 0452400.0 4821925.0 4** REGION **01** DISTANCE **14.182**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 01 15 0940 | | 3 | 1 | 31303 | 6 | 3 250 | 1330C | 5800 | 284 | 1150 | 4< | 1 5 | 10 0 |
| 80 02 12 1010 | | 3 | 1 | 31315 | 4 | 0 780 | 150 | 630 | 20I | 10< | 4< | 0 0 | 7 0 |
| 80 03 11 0940 | | 3 | 1 | 31327 | 4 | 0 700 | 370 | 1260 | 36 | 188 | 4< | 0 0 | 11 0 |
| 80 04 15 0935 | | 3 | 1 | 31339 | 3 | 51 000 | 2300 | 15600 | 7400 | 6200 | 4< | 4 0 | 9 5 |
| 80 05 13 1010 | | 3 | 1 | 31351 | 6 | 1 810 | 1300C | 60000 | 60I | 440 | 4< | 13 5 | 8 0 |
| 80 06 10 1030 | | 3 | 1 | 31363 | 8 | 1 930 | 3800C | 34000 | 88 | 20I | 4< | 13 0 | 11 0 |
| 80 07 15 0900 | | 3 | 1 | 31375 | 8 | 1 180 | 950C | 23000 | 100 | 112 | 4< | 22 0 | 7 0 |
| 80 08 12 1005 | | 3 | 1 | 31387 | 8 | 0 893 | 1700C | 32000 | 64 | 128 | 4< | 21 5 | 8 5 |
| 80 09 09 0935 | | 3 | 1 | 31399 | 8 | 0 107 | 3700C | 80000 | 332 | 512 | 8 | 18 0 | 5 0 |
| 80 10 14 1000 | | 3 | 1 | 31411 | 6 | 4 650 | 3500C | 39000 | 820 | 1500> | 8 | 7 5 | 10 0 |
| 80 11 11 1000 | | 3 | 1 | 31423 | 6 | 2 800 | 720C | 9600 | 10I | 80I | 4< | 3 0 | 6 5 |
| 80 12 09 0925 | | 3 | 1 | 31435 | 3 | 34 700 | 10800C | 65000 | 600> | 600> | 28 | 4 0 | 10 0 |
| MAXIMUM | | | | | | 51.000 | 10800 | 80000 | 7400> | 6200> | 28 | 22.0 | 11.0 |
| ARITH MEAN | | | | | | 8.650 | 2552 | 30491 | 818G | 912B | 7L | 9.0 | 8.6 |
| GEOM MEAN | | | | | | 2.242 | 1506 | 15614 | 145G | 251B | 5L | 5.5 | 8.4 |
| MINIMUM | | | | | | 0.107 | 150 | 630 | 10 | 10< | 4< | 0.0 | 5.0 |
| STD DEV | | | | | | 16.397 | 2894 | 28406 | 2089G | 1730B | 7L | 8.3 | 1.9 |
| NO OF SAMPLES | | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 01 15 0940 | | 3 | 1 | 1 4 | 0 089 | 0 071 | 0 200 | 0 630 | 0 028 | 8 020 | 8 248 | 0 430 | 8 678 |
| 80 02 12 1010 | | 3 | 1 | 1 2 | 0 063 | 0 048 | 0 130 | 0 490 | 0 031 | 6 520 | 6 681 | 0 360 | 7 041 |
| 80 03 11 0940 | | 3 | 1 | 1 0 | 0 085 | 0 067 | 0 235 | 0 640 | 0 040 | 5 810 | 6 085 | 0 405 | 6 490 |
| 80 04 15 0935 | | 3 | 1 | 1 6 | 0 520 | 0 088 | 0 120 | 2 700 | 0 039 | 6 360 | 6 519 | 2 580 | 9 099 |
| 80 05 13 1010 | | 3 | 1 | | 0 039 | 0 001 | 0 010 | 0 780 | 0 029 | 3 400 | 3 439 | 0 770 | 4 209 |
| 80 06 10 1030 | | 3 | 1 | 0 8 | 0 011 | 0 002 | 0 005 | 0 540 | 0 028 | 6 500 | 6 533 | 0 535 | 7 068 |
| 80 07 15 0900 | | 3 | 1 | 1 3 | 0 044 | 0 011 | 0 030 | 0 84 | 0 017 | 2 9 | 2 947 | 0 810 | 3 757 |
| 80 08 12 1005 | | 3 | 1 | 1 0 | 0 031 | 0 014 | 0 015 | 0 550 | 0 007 | 2 100 | 2 122 | 0 535 | 2 657 |
| 80 09 09 0935 | | 3 | 1 | 3 6 | 0 046 | 0 016 | 0.060 | 0 940 | 0 009 | 1 660 | 1 749 | 0 860 | 2 609 |
| 80 10 14 1000 | | 3 | 1 | 0 6 | 0 047 | 0 029 | 0 005 | 0 56 | 0 014 | 6 2 | 6 219 | 0 555 | 6 774 |
| 80 11 11 1000 | | 3 | 1 | 1 5 | 0 048 | 0 002 | 0 130 | 0 820 | 0 042 | 7 700 | 7 872 | 0 690 | 8 562 |
| 80 12 09 0925 | | 3 | 1 | 1 9 | 0 178 | 0 081 | 0 100 | 1 300 | 0 035 | 12 100 | 12 235 | 1 200 | 13 435 |
| MAXIMUM | | | | 3.6 | 0.520 | 0.088 | 0.235 | 2.700 | 0.042 | 12.100 | 12.235 | 2.580 | 13.435 |
| ARITH MEAN | | | | 1.4 | 0.100 | 0.036 | 0.088 | 0.89 | 0.027 | 5.7 | 5.887 | 0.811 | 6.698 |
| GEOM MEAN | | | | 1.3 | 0.061 | 0.017 | 0.046 | 0.78 | 0.023 | 5.0 | 5.116 | 0.689 | 6.000 |
| MINIMUM | | | | 0.6 | 0.011 | 0.001 | 0.005 | 0.490 | 0.007 | 1.660 | 1.749 | 0.360 | 2.609 |
| STD DEV | | | | 0.8 | 0.139 | 0.033 | 0.078 | 0.61 | 0.012 | 2.9 | 2.875 | 0.605 | 3.115 |
| NO OF SAMPLES | | | | 11 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 15 0940 | | 3 | 1 | 306 0 | 6 5 | 299 5 | 550 0 | 5 40 | 18 500 | 7 98 |
| 80 02 12 1010 | | 3 | 1 | 384 0 | 3 5 | 380 5 | 630 0 | 1 30 | 22 500 | 7 92 |
| 80 03 11 0940 | | 3 | 1 | 418 0 | 0 5< | | 660 0 | 1 00 | 33 000 | 8 07 |
| 80 04 15 0935 | | 3 | 1 | 490 0 | 179 0 | 311 0 | 419 0 | 190 00 | 13 500 | 7 97 |
| 80 05 13 1010 | | 3 | 1 | 314 0 | 3 5 | 310 5 | 510 0 | 1 70 | 16 000 | 8 18 |
| 80 06 10 1030 | | 3 | 1 | 364 0 | 10 0 | 354 0 | 560 0 | 2 10 | 19 000 | 8 37 |
| 80 07 15 0900 | | 3 | 1 | 347 | 7 9 | 339 | 480 | 2 1 | 17 5 | 8 08 |
| 80 08 12 1005 | | 3 | 1 | 361 2 | 3 8 | 357 4 | 520 0 | 1 70 | 18 500 | 8 29 |
| 80 09 09 0935 | | 3 | 1 | 286 6 | 9 8 | 276 8 | 438 | 4 0 | 18 0 | 7 91 |
| 80 10 14 1000 | | 3 | 1 | 412 9 | 20 7 | 392 2 | 659 | 6 6 | 29 5 | 8 04 |
| 80 11 11 1000 | | 3 | 1 | 451 9 | 4 6 | 447 3 | 705 0 | 5 30 | 34 500 | 8 07 |
| 80 12 09 0925 | | 3 | 1 | 475 2 | 40 8 | 434 4 | 580 0 | 19 00 | 19 500 | 7 83 |
| MAXIMUM | | | | 490.0 | 179.0 | 447.3 | 705.0 | 190.00 | 34.500 | 8.37 |
| ARITH MEAN | | | | 384 | 24.2L | 354 | 559 | 20.0 | 21.6 | 8.06 |
| GEOM MEAN | | | | 378 | 8.1L | 351 | 552 | 4.3 | 20.7 | 8.06 |
| MINIMUM | | | | 286.6 | 0.5< | 276.8 | 419.0 | 1.00 | 13.500 | 7.83 |
| STD DEV | | | | 66 | 50.0L | 55 | 91 | 53.7 | 6.8 | 0.16 |
| NO OF SAMPLES | | | | 12 | 12 | 11 | 12 | 12 | 12 | 12 |

B.O.W / SITE **BAYFIELD RIVER**
SAMPLE POINT **AT FIRST CONCESSION WEST OF SEAFORTH**
STATION TYPE **RIVER FLOW GAUGE FED 02FF007**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **BAYFIELD RIVER**

STATION ID **08-0040-009-02**
STORET CODE **02**
**002**
**0370**

LAT LONG U T M **17 0465200.0 4821300.0 4** REGION **01** DISTANCE **45.382**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 01 15 0850 | | | 3 | 1 | 31301 | 4 | 3.250 | 1300 | 5300 | 428 | 860 | 4< | 1.0 | 4.5 |
| 80 02 12 0905 | | | .3 | 1 | 31313 | 4 | 0.780 | 2600 | 5300 | 430 | 1500> | 4 | 0.5 | 5.5 |
| 80 03 11 0855 | | | 3 | 1 | 31325 | 4 | 0.700 | 3200 | 6000 | 1010 | 5200 | 20 | 0.0 | 9.0 |
| 80 04 15 0840 | | | 3 | 1 | 31337 | 3 | 51.000 | 6200C | 44000 | 1200 | 25000 | | 4.0 | 9.5 |
| 80 05 13 0915 | | | 3 | 1 | 31349 | 6 | 1.810 | 1900 | 11000 | 480 | 50I | 4< | 14.5 | 7.0 |
| 80 06 10 0920 | | | .3 | 1 | 31361 | 8 | 1.930 | 3000 | 16600 | 160 | 112 | 4< | 12.0 | 10.0 |
| 80 07 15 0805 | | | .3 | 1 | 31373 | 8 | 1.180 | 2300C | 52000 | 1110 | 324 | 4< | 23.0 | 11.0 |
| 80 08 12 0920 | | | .3 | 1 | 31385 | 8 5 | 0.893 | 3900C | 29000 | 820 | 520 | 4< | 20.0 | 3.0 |
| 80 09 09 0845 | | | .3 | 1 | 31397 | 7 | 0.107 | 2100 | 17000 | 140 | 120 | 12 | 20.0 | 8.5 |
| 80 10 14 0915 | | | .3 | 1 | 31409 | 6 | 4.650 | 5800C | 29100 | 450 | 1500> | 4< | 7.0 | 10.0 |
| 80 11 11 0855 | | | .3 | 1 | 31421 | 6 | 2.800 | 6400 | 11400 | 1500 | 4400 | 12 | 2.0 | 7.5 |
| 80 12 09 0855 | | | .3 | 1 | 31433 | 3 | 34.700 | 18000 | 180000 | 2500 | 51000> | 28 | 3.5 | 5.0 |
| MAXIMUM | | | | | | | 51.000 | 18000 | 180000 | 2500 | 51000> | 28 | 23.0 | 11.0 |
| ARITH MEAN | | | | | | | 8.650 | 4725 | 33892 | 852 | 7549G | 9L | 9.0 | 7.5 |
| GEOM MEAN | | | | | | | 2.242 | 3605 | 18896 | 627 | 1167G | 7L | 4.8 | 7.1 |
| MINIMUM | | | | | | | 0.107 | 1300 | 5300 | 140 | 60 | 4< | 0.0 | 3.0 |
| STD DEV | | | | | | | 16.397 | 4526 | 48478 | 674 | 16357G | 8L | 8.5 | 2.6 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 12 | 11 | 12 | 12 |

| TEST-NAME: | | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 01 15 0850 | | | 3 | 1 | 1.1 | 0.086 | 0.064 | 0.185 | 0.560 | 0.025 | 8.180 | 8.390 | 0.375 | 8.765 |
| 80 02 12 0905 | | | 3 | 1 | 1.8 | 0.159 | 0.125 | 0.780 | 1.350 | 0.082 | 6.400 | 7.262 | 0.570 | 7.832 |
| 80 03 11 0855 | | | 3 | 1 | 2.5 | 0.220 | 0.171 | 1.280 | 1.800 | 0.080 | 5.220 | 6.580 | 0.520 | 7.100 |
| 80 04 15 0840 | | | 3 | 1 | 3.0 | 0.650 | 0.106 | 0.145 | 2.300 | 0.035 | 6.020 | 6.200 | 2.155 | 8.355 |
| 80 05 13 0915 | | | 3 | 1 | 1.6 | 0.024 | 0.002 | 0.025 | 0.620 | 0.041 | 4.300 | 4.366 | 0.595 | 4.961 |
| 80 06 10 0920 | | | 3 | 1 | 0.9 | 0.098 | 0.003 | 0.005 | 0.580 | 0.026 | 4.600 | 4.631 | 0.575 | 5.206 |
| 80 07 15 0805 | | | 3 | 1 | 1.7 | 0.036 | 0.002 | 0.075 | 0.83 | 0.033 | 2.0 | 2.108 | 0.755 | 2.863 |
| 80 08 12 0920 | | | 3 | 1 | 1.2 | 0.072 | 0.010 | 0.035 | 0.380 | 0.024 | 2.800 | 2.859 | 0.345 | 3.204 |
| 80 09 09 0845 | | | 3 | 1 | 2.3 | 0.034 | 0.001 | 0.030 | 0.630 | 0.008 | 0.650 | 0.688 | 0.600 | 1.288 |
| 80 10 14 0915 | | | 3 | 1 | 0.8 | 0.054 | 0.028 | 0.090 | 0.76 | 0.054 | 6.6 | 6.744 | 0.670 | 7.414 |
| 80 11 11 0855 | | | 3 | 1 | 1.6 | 0.089 | 0.063 | 1.500 | 2.150 | 0.040 | 8.300 | 9.840 | 0.650 | 10.490 |
| 80 12 09 0855 | | | 3 | 1 | 2.2 | 0.198 | 0.082 | 0.120 | 1.240 | 0.032 | 13.100 | 13.252 | 1.120 | 14.372 |
| MAXIMUM | | | | | 3.0 | 0.650 | 0.171 | 1.500 | 2.300 | 0.082 | 13.100 | 13.252 | 2.155 | 14.372 |
| ARITH MEAN | | | | | 1.7 | 0.143 | 0.056 | 0.366 | 1.10 | 0.040 | 5.8 | 6.077 | 0.744 | 6.821 |
| GEOM MEAN | | | | | 1.6 | 0.082 | 0.019 | 0.113 | 0.93 | 0.034 | 4.5 | 4.882 | 0.666 | 5.779 |
| MINIMUM | | | | | 0.8 | 0.024 | 0.001 | 0.005 | 0.380 | 0.008 | 0.650 | 0.688 | 0.345 | 1.288 |
| STD DEV | | | | | 0.7 | 0.172 | 0.057 | 0.528 | 0.66 | 0.022 | 3.3 | 3.481 | 0.466 | 3.612 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 15 0850 | | | 3 | 1 | 340.0 | 4.0 | 336.0 | 580.0 | 2.60 | 19.000 | 7.84 |
| 80 02 12 0905 | | | 3 | 1 | 468.0 | 1.5 | 466.5 | 760.0 | 2.40 | 46.000 | 7.74 |
| 80 03 11 0855 | | | 3 | 1 | 512.0 | 8.0 | 504.0 | 840.0 | 5.80 | 78.500 | 7.79 |
| 80 04 15 0840 | | | 3 | 1 | 532.0 | 170.0 | 237.000 | 365.0 | 230.00 | 12.000 | 7.84 |
| 80 05 13 0915 | | | 3 | 1 | 302.0 | 0.5 | 301.5 | 494.0 | 1.50 | 21.000 | 8.02 |
| 80 06 10 0920 | | | 3 | 1 | 360.0 | 10.0 | 350.0 | 540.0 | 1.60 | 23.000 | 8.15 |
| 80 07 15 0805 | | | 3 | 1 | 394 | 4.3 | 390 | 530 | 2.1 | 26.5 | 7.94 |
| 80 08 12 0920 | | | 3 | 1 | 475.4 | 33.4 | 442.0 | 640.0 | 10.00 | 27.500 | 7.89 |
| 80 09 09 0845 | | | 3 | 1 | 387.5 | 10.9 | 376.6 | 605 | 5.7 | 38.5 | 7.87 |
| 80 10 14 0915 | | | 3 | 1 | 423.7 | 3.9 | 419.8 | 690 | 2.8 | 32.5 | 7.94 |
| 80 11 11 0855 | | | 3 | 1 | 531.1 | 5.5 | 525.6 | 810.0 | 2.60 | 49.000 | 7.99 |
| 80 12 09 0855 | | | 3 | 1 | 433.1 | 50.2 | 382.9 | 580.0 | 20.00 | 19.500 | 7.75 |
| MAXIMUM | | | | | 532.0 | 170.0 | 525.6 | 840.0 | 230.00 | 78.500 | 8.15 |
| ARITH MEAN | | | | | 429 | 25.2 | 394 | 619 | 23.9 | 32.7 | 7.90 |
| GEOM MEAN | | | | | 423 | 8.0 | 385 | 604 | 6.1 | 28.9 | 7.90 |
| MINIMUM | | | | | 302.0 | 0.5 | 237.000 | 365.0 | 1.50 | 12.000 | 7.74 |
| STD DEV | | | | | 75 | 47.9 | 83 | 137 | 65.1 | 18.2 | 0.12 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

B.O.W / SITE **MAITLAND RIVER**
SAMPLE POINT **HIGHWAY 21, GODERICH**
STATION TYPE **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **MAITLAND RIVER**

STATION ID **08-0056-001-02**
STORET CODE **02**
**002**
**0530**

LAT LONG U T M **17 0443850.0 4844240.0 4** REGION **01** DISTANCE: **2.736**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 04 08 1410 | | | 3 | 1 | 32057 | 8 | | | | | | 11.0 | 11.0 | 0.4 |
| 80 06 02 1420 | | | 3 | 1 | 32087 | 5 8 | 290 | 2500 | 172 | 96 | 4< | 15.5 | 10.5 | 0.2 |
| 80 07 01 1430 | | | 3 | 1 | 32102 | 8 | 70I | 2100 | 20 | 8 | 4< | 20.0 | 8.5 | 0.9 |
| MAXIMUM | | | | | | | 290 | 2500 | 172 | 96 | 4 | 20.0 | 11.0 | 0.9 |
| ARITH MEAN | | | | | | | 180 | 2300 | 96 | 52 | 4L | 15.5 | 10.0 | 0.5 |
| GEOM MEAN | | | | | | | 142 | 2291 | 59 | 28 | 4L | 15.1 | 9.9 | 0.4 |
| MINIMUM | | | | | | | 70 | 2100 | 20 | 8 | 4< | 11.0 | 8.5 | 0.2 |
| STD DEV | | | | | | | 156 | 283 | 107 | 62 | 0L | 4.5 | 1.3 | 0.4 |
| NO OF SAMPLES | | | | | | | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |

(CONTD)

B O W / SITE **MAITLAND RIVER**
SAMPLE POINT **HIGHWAY 21, GODERICH**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **MAITLAND RIVER**

STATION ID **08-0056-001-02**
STORET CODE **02**
**002**
**0530**

LAT LONG U T M **17 0443650.0 4844240.0 4** REGION **01** DISTANCE **2.736**

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 04 08 1410 | | | 3 | 1 | 0 025 | 0 003 | 0 015 | 0.700 | 0 006 | 1 740 | 1 761 | 0 685 | 2 446 | 262 0 |
| 80 06 02 1420 | | | 3 | 1 | 0 046 | 0 002 | 0 010 | 0 490 | 0 007 | 1 310 | 1 327 | 0 480 | 1 807 | 312 0 |
| 80 07 01 1430 | | | 3 | 1 | 0 010 | 0 001 | 0 025 | 0 420 | 0 007 | 1 140 | 1 172 | 0 395 | 1 567 | 346 0 |
| MAXIMUM | | | | | 0.046 | 0.003 | 0.025 | 0.700 | 0.007 | 1.740 | 1.761 | 0.685 | 2.446 | 346.0 |
| ARITH MEAN | | | | | 0.027 | 0.002 | 0.017 | 0.537 | 0.007 | 1.397 | 1.420 | 0.520 | 1.940 | 306.7 |
| GEOM MEAN | | | | | 0.023 | 0.002 | 0.016 | 0.524 | 0.007 | 1.375 | 1.399 | 0.506 | 1.906 | 304.7 |
| MINIMUM | | | | | 0.010 | 0.001 | 0.010 | 0.420 | 0.006 | 1.140 | 1.172 | 0.395 | 1.567 | 262.0 |
| STD DEV | | | | | 0.018 | 0.001 | 0.008 | 0.148 | 0.001 | 0.309 | 0.305 | 0.149 | 0.454 | 42.3 |
| NO OF SAMPLES | | | | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 04 08 1410 | | | 3 | 1 | 16 0 | 246 0 | 417 0 | 8 80 | 9 500 | 8 37 |
| 80 06 02 1420 | | | 3 | 1 | 7 0 | 305 0 | 510.0 | 3.70 | 13 500 | 8 52 |
| 80 07 01 1430 | | | 3 | 1 | 6.6 | 339 0 | 510 0 | 3.50 | 18 000 | 8 48 |
| MAXIMUM | | | | | 16.0 | 339.0 | 510.0 | 8.80 | 18.000 | 8.52 |
| ARITH MEAN | | | | | 9.9 | 296.7 | 479.0 | 5.33 | 13.667 | 8.46 |
| GEOM MEAN | | | | | 9.0 | 294.1 | 476.9 | 4.85 | 13.216 | 8.46 |
| MINIMUM | | | | | 6.6 | 246.0 | 417.0 | 3.50 | 9.500 | 8.37 |
| STD DEV | | | | | 5.3 | 47.1 | 53.7 | 3.00 | 4.252 | 0.08 |
| NO OF SAMPLES | | | | | 3 | 3 | 3 | 3 | 3 | 3 |

B O W / SITE **BLYTH BROOK**
SAMPLE POINT **AT SIDE ROAD, WEST OF BLYTH**
STATION TYPE **RIVER FLOW GAUGE MOE 02FE105**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **MAITLAND RIVER**

STATION ID **08-0056-002-02**
STORET CODE **02**
**002**
**0530**

LAT LONG U T M **17 0464100.0 4843875.0 4** REGION **01** DISTANCE **51.815**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT DEM MG/L AS O |
| 80 01 07 1350 | | | 3 | 1 | 32011 | 4 | | | | | | 0 0 | 13 5 | 0 2 |
| 80 02 04 1355 | | | 3 | 1 | 32026 | 4 | 28 | 52 | 4< | 16 | 4< | 0 0 | 12 5 | 0 6 |
| 80 03 03 1350 | | | 3 | 1 | 32041 | 4 | | | | | | 0 0 | 11 0 | 0 7 |
| 80 04 08 1330 | | | 3 | 1 | 32056 | 8 | | | | | | 10 0 | 10 5 | 0 3 |
| 1440 | | | 3 | 1 | 32058 | 8 | | | | | | 11 0 | 11 0 | 0 2 |
| 80 05 05 1310 | | | 3 | 1 | 32071 | 8 | 60C | 3000 | 10< | 10< | 4< | 14 0 | 12 0 | 0 5 |
| 80 06 02 1345 | | | 3 | 1 | 32086 | 8 | 790C | 4100 | 220 | 72 | 4< | 16 0 | 9 5 | 0 5 |
| 1445 | | | 3 | 1 | 32088 | 8 | 3200 | 23000 | 1070 | 380 | 4< | 15 0 | 9 0 | 0 2 |
| 80 07 01 1350 | | | 3 | 1 | 32101 | 8 | 130 | 2100 | 30I | 4 | 4< | 20 0 | 9 5 | 0 9 |
| 1455 | | | 3 | 1 | 32103 | 8 | 9400 | 12200 | 780 | 180 | 204 | 20 0 | 10 0 | 0 3 |
| 80 08 05 1330 | | | 3 | 1 | 32116 | 8 5 | 1300 | 20000 | 236 | 8 | 4< | 23 5 | 9 0 | 1 5 |
| 80 09 02 1315 | | | 3 | 1 | 32131 | 8 5 | 3500 | 13000 | 224 | 276 | 4< | 20 0 | 5 5 | 0 6 |
| 80 10 14 1335 | | | 3 | 1 | 32146 | 8 5 | 1800 | 2500 | 1010 | 328 | 4< | 8 0 | 12 0 | 0 4 |
| 80 11 10 1345 | | | 3 | 1 | 32161 | 8 | 4500 | 3500 | 980 | 600 | 4 | 3 5 | 11 0 | 0 6 |
| 80 12 01 1345 | | | 3 | 1 | 32176 | 8 | 1000 | 2500 | 170 | 30I | 4< | 3 [illegible] | 12 5 | 0 1 |
| MAXIMUM | | | | | | | 9400 | 23000 | 1070 | 600 | 204 | 23.5 | 13.5 | 1.5 |
| ARITH MEAN | | | | | | | 2337 | 7814 | 430L | 173L | 22L | 10 9 | 10 5 | 0.5 |
| GEOM MEAN | | | | | | | 880 | 3763 | 162L | 61L | 6L | 7.1 | 10.3 | 0.4 |
| MINIMUM | | | | | | | 28 | 52 | 4< | 4< | 4< | 0.0 | 5 5 | 0.1 |
| STD DEV | | | | | | | 2786 | 7939 | 434L | 199L | 60L | 8.2 | 2 0 | 0.4 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 11 | 15 | 15 | 15 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 07 1350 | | | 3 | 1 | 0 030 | 0 015 | 0 040 | 0.420 | 0 015 | 6 730 | 6 785 | 0 380 | 7 165 | 376 0 |
| 80 02 04 1355 | | | 3 | 1 | 0 017 | 0 017 | 0 030 | 0 360 | 0 012 | 6 400 | 6 442 | 0 330 | 6 772 | 364 0 |
| 80 03 03 1350 | | | 3 | 1 | 0 027 | 0 014 | 0 135 | 0 500 | 0 023 | 5 980 | 6 138 | 0 365 | 6 503 | 372 0 |
| 80 04 08 1330 | | | 3 | 1 | 0 028 | 0 011 | 0 030 | 0 500 | 0 018 | 6 130 | 6 178 | 0 470 | 6 648 | 312 0 |
| 1440 | | | 3 | 1 | 0 023 | 0 007 | 0 020 | 0.450 | 0 006 | 1 260 | 1 286 | 0 430 | 1 716 | 262 0 |
| 80 05 05 1310 | | | 3 | 1 | 0.017 | 0 001 | 0.020 | 0.570 | 0 031 | 5 220 | 5 271 | 0 550 | 5 821 | 288 0 |
| 80 06 02 1345 | | | 3 | 1 | 0 009 | 0 002 | 0 015 | 0.600 | 0 021 | 3 060 | 3 096 | 0 585 | 3 681 | 306 0 |
| 1445 | | | 3 | 1 | 0 052 | 0 004 | 0 025 | 0 490 | 0 011 | 0 900 | 0 936 | 0 465 | 1 401 | 346 0 |
| 80 07 01 1350 | | | 3 | 1 | 0 024 | 0 004 | 0 060 | 0 640 | 0 010 | 0 780 | 0 850 | 0 580 | 1 430 | 300 0 |
| 1455 | | | 3 | 1 | 0.024 | 0 006 | 0 045 | 0 580 | 0 013 | 0 790 | 0 848 | 0 535 | 1 383 | 360 0 |
| 80 08 05 1330 | | | 3 | 1 | 0 057 | 0 005 | 0 145 | 0 99 | 0 019 | 1 51 | 1 674 | 0 845 | 2 519 | 328 7 |
| 80 09 02 1315 | | | 3 | 1 | 0 040 | 0 019 | 0 110 | 0 69 | 0 011 | 0 40 | 0 521 | 0 580 | 1 101 | 248 3 |
| 80 10 14 1335 | | | 3 | 1 | 0 014 | 0 002 | 0 005 | 0 640 | 0 016 | 10 500 | 10 521 | 0 635 | 11 156 | 430 6 |
| 80 11 10 1345 | | | 3 | 1 | 0 025 | 0 011 | 0 010 | 0 760 | 0 029 | 6 900 | 6 939 | 0 750 | 7 689 | 405 2 |
| 80 12 01 1345 | | | 3 | 1 | 0 018 | 0 008 | 0 005 | 0 580 | 0 021 | 4 580 | 4 606 | 0 575 | 5 181 | 399 6 |
| MAXIMUM | | | | | 0 057 | 0 019 | 0.145 | 0.99 | 0.031 | 10.500 | 10.521 | 0.845 | 11.156 | 430 6 |
| ARITH MEAN | | | | | 0.027 | 0.008 | 0.048 | 0.58 | 0.017 | 4.07 | 4.139 | 0.538 | 4 678 | 332.9 |
| GEOM MEAN | | | | | 0.024 | 0.006 | 0.029 | 0.56 | 0.016 | 2 73 | 2.857 | 0.522 | 3 642 | 336.8 |
| MINIMUM | | | | | 0.009 | 0.001 | 0.005 | 0.380 | 0.006 | 0.40 | 0.521 | 0.330 | 1.101 | 248.3 |
| STD DEV | | | | | 0.013 | 0.006 | 0.046 | 0.15 | 0.007 | 3.06 | 3.057 | 0.140 | 3 044 | 53.6 |
| NO OF SAMPLES | | | | | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |

(CONTD)

| TEST-NAME: | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 07 1350 | | .3 | 1 | 5.0 | 371.0 | 595.0 | 2.10 | 13.500 | 8.04 |
| 80 02 04 1355 | | .3 | 1 | 12.5 | 351.5 | 595.0 | 2.20 | 14.500 | 7.91 |
| 80 03 03 1350 | | .3 | 1 | 7.0 | 365.0 | 630.0 | 3.80 | 16.500 | 7.80 |
| 80 04 08 1330 | | .3 | 1 | 7.5 | 304.5 | 484.0 | 4.40 | 11.000 | 8.15 |
| 1440 | | .3 | 1 | 8.5 | 253.5 | 428.0 | 3.60 | 12.000 | 8.19 |
| 80 05 05 1310 | | .3 | 1 | 1.5 | 286.5 | 484.0 | 1.80 | 13.000 | 8.42 |
| 80 06 02 1345 | | .3 | 1 | 4.0 | 302.0 | 458.0 | 1.50 | 12.500 | 8.20 |
| 1445 | | .3 | 1 | 5.5 | 340.5 | 530.0 | 2.50 | 18.000 | 8.32 |
| 80 07 01 1350 | | .3 | 1 | 1.9 | 298.0 | 450.0 | 0.95 | 14.000 | 8.19 |
| 1455 | | .3 | 1 | 4.0 | 356.0 | 550.0 | 1.00 | 22.500 | 8.37 |
| 80 08 05 1330 | | .3 | 1 | 5.7 | 323.0 | 460 | 2.4 | 16.5 | 7.86 |
| 80 09 02 1315 | | .3 | 1 | 4.4 | 243.9 | 407 | 1.3 | 13.5 | 7.91 |
| 80 10 14 1335 | | .3 | 1 | 9.3 | 421.3 | 670.0 | 1.80 | 23.000 | 8.26 |
| 80 11 10 1345 | | .3 | 1 | 9.1 | 396.1 | 680.0 | 1.20 | 20.500 | 8.20 |
| 80 12 01 1345 | | .3 | 1 | 3.4 | 396.2 | 620.0 | 1.50 | 15.500 | 8.24 |
| MAXIMUM | | | | **12.5** | **421.3** | **680.0** | **4.40** | **23.000** | **8.42** |
| ARITH MEAN | | | | **6.0** | **333.9** | **536** | **2.1** | **15.7** | **8.14** |
| GEOM MEAN | | | | **5.2** | **330.0** | **529** | **1.9** | **15.3** | **8.14** |
| MINIMUM | | | | **1.5** | **243.9** | **407** | **0.95** | **11.000** | **7.80** |
| STD DEV | | | | **3.0** | **52.6** | **90** | **1.0** | **3.7** | **0.19** |
| NO OF SAMPLES | | | | **15** | **15** | **15** | **15** | **15** | **15** |

BOW / SITE **MAITLAND RIVER**
SAMPLE POINT **HWY 86 2 MILES N-W OF WINGHAM**
STATION TYPE **RIVER FLOW GAUGE FED 02FE005**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **MAITLAND RIVER**

STATION ID **08-0056-003-02**
STORET CODE **02**
**002**
**0530**

LAT LONG U T M **17 0471550.0 4860150.0 4** REGION **01** DISTANCE **77.246**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 01 07 1550 | | .3 | 1 | 32014 | 4 | 3.200 | | | | | | 0.0 | 13.5 |
| 80 02 04 1605 | | .3 | 1 | 32029 | 4 | 2.150 | 440 | 356 | 240 | 88 | 4< | 0.0 | 12.0 |
| 80 03 03 1545 | | .3 | 1 | 32044 | 4 | 1.830 | | | | | | 0.0 | 11.0 |
| 80 04 08 1530 | | .3 | 1 | 32059 | 8 | 19.100 | | | | | | 10.0 | 10.9 |
| 80 05 05 1500 | | .3 | 1 | 32074 | 8 | 5.580 | 100 | 1950 | 10< | 30I | 4< | 17.5 | 10.0 |
| 80 06 02 1535 | | .3 | 1 | 32089 | 8 | 5.620 | 290C | 3000 | 184 | 48 | 4< | 15.0 | 10.0 |
| 80 07 01 1555 | | .3 | 1 | 32104 | 8 | 1.840 | 80C | 24000 | 56 | 4 | 4< | 21.0 | 10.5 |
| 80 08 05 1550 | | .3 | 1 | 32119 | 8 | 1.200 | 410C | 3400 | 68 | 4 | 4< | 25.5 | 10.0 |
| 80 09 02 1540 | | .3 | 1 | 32134 | 8 | 1.830 | 1600 | 26000 | 112 | 144 | 4< | 21.0 | 7.0 |
| 80 10 14 1545 | | .3 | 1 | 32149 | 8 | 5.170 | 140 | 440 | 80 | 28 | 4< | 8.0 | 9.5 |
| 80 11 10 1555 | | .3 | 1 | 32164 | 8 | 7.110 | 310 | 1220 | 60 | 140 | 4< | 3.0 | 11.0 |
| 80 12 01 1545 | | .3 | 1 | 32179 | 8 | 3.380 | 120 | 400 | 20I | 20I | 4< | 3.0 | 12.0 |
| MAXIMUM | | | | | | **19.100** | **1600** | **26000** | **240** | **144** | **4** | **25.5** | **13.5** |
| ARITH MEAN | | | | | | **4.834** | **388** | **6752** | **92L** | **56** | **4L** | **10.3** | **10.6** |
| GEOM MEAN | | | | | | **3.533** | **248** | **2142** | **84L** | **31** | **4L** | **6.0** | **10.5** |
| MINIMUM | | | | | | **1.200** | **80** | **356** | **10<** | **4** | **4<** | **0.0** | **7.0** |
| STD DEV | | | | | | **4.882** | **474** | **10417** | **78L** | **55** | **0L** | **9.4** | **1.6** |
| NO OF SAMPLES | | | | | | **12** | **9** | **9** | **9** | **9** | **9** | **12** | **12** |

| TEST-NAME: | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 01 07 1550 | | .3 | 1 | 0.9 | 0.033 | 0.019 | 0.075 | 0.520 | 0.015 | 5.680 | 5.770 | 0.445 | 6.215 |
| 80 02 04 1605 | | .3 | 1 | 0.7 | 0.027 | 0.020 | 0.090 | 0.510 | 0.016 | 4.100 | 4.206 | 0.420 | 4.626 |
| 80 03 03 1545 | | .3 | 1 | 0.9 | 0.031 | 0.021 | 0.185 | 0.490 | 0.015 | 3.930 | 4.130 | 0.305 | 4.435 |
| 80 04 08 1530 | | .3 | 1 | 1.0 | 0.051 | 0.028 | 0.040 | 0.680 | 0.018 | 3.880 | 3.938 | 0.640 | 4.578 |
| 80 05 05 1500 | | .3 | 1 | 0.7 | 0.023 | 0.005 | 0.030 | 0.740 | 0.019 | 2.580 | 2.629 | 0.710 | 3.339 |
| 80 06 02 1535 | | .3 | 1 | 0.3 | 0.063 | 0.005 | 0.020 | 0.630 | 0.016 | 1.400 | 1.436 | 0.610 | 2.046 |
| 80 07 01 1555 | | .3 | 1 | 1.3 | 0.040 | 0.001 | 0.010 | 0.840 | 0.011 | 0.660 | 0.681 | 0.830 | 1.511 |
| 80 08 05 1550 | | .3 | 1 | 0.7 | 0.032 | 0.002 | 0.040 | 0.71 | 0.007 | 0.34 | 0.387 | 0.670 | 1.057 |
| 80 09 02 1540 | | .3 | 1 | 0.8 | 0.032 | 0.003 | 0.040 | 0.66 | 0.005 | 0.20 | 0.245 | 0.620 | 0.865 |
| 80 10 14 1545 | | .3 | 1 | 0.8 | 0.013 | 0.002 | 0.010 | 0.700 | 0.006 | 2.740 | 2.756 | 0.690 | 3.446 |
| 80 11 10 1555 | | .3 | 1 | 0.9 | 0.014 | 0.002 | 0.005 | 0.730 | 0.012 | 3.600 | 3.617 | 0.725 | 4.342 |
| 80 12 01 1545 | | .3 | 1 | 0.1 | 0.013 | 0.003 | 0.005 | 0.630 | 0.008 | 2.300 | 2.313 | 0.625 | 2.938 |
| MAXIMUM | | | | **1.3** | **0.063** | **0.028** | **0.185** | **0.840** | **0.019** | **5.680** | **5.770** | **0.830** | **6.215** |
| ARITH MEAN | | | | **0.8** | **0.031** | **0.009** | **0.046** | **0.65** | **0.012** | **2.61** | **2.676** | **0.607** | **3.283** |
| GEOM MEAN | | | | **0.7** | **0.028** | **0.005** | **0.026** | **0.64** | **0.011** | **1.81** | **1.900** | **0.588** | **2.810** |
| MINIMUM | | | | **0.1** | **0.013** | **0.001** | **0.005** | **0.490** | **0.005** | **0.20** | **0.245** | **0.305** | **0.865** |
| STD DEV | | | | **0.3** | **0.016** | **0.010** | **0.051** | **0.10** | **0.005** | **1.71** | **1.740** | **0.147** | **1.656** |
| NO OF SAMPLES | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 07 1550 | | .3 | 1 | 440.0 | 3.5 | 436.5 | 670.0 | 1.50 | 16.000 | 8.10 |
| 80 02 04 1605 | | .3 | 1 | 402.0 | 13.5 | 388.5 | 630.0 | 1.10 | 15.500 | 7.93 |
| 80 03 03 1545 | | .3 | 1 | 414.0 | 1.5 | 412.5 | 665.0 | 1.00 | 20.000 | 7.89 |
| 80 04 08 1530 | | .3 | 1 | 294.0 | 5.0 | 289.0 | 489.0 | 2.00 | 14.000 | 8.24 |
| 80 05 05 1500 | | .3 | 1 | 338.0 | 3.0 | 335.0 | 530.0 | 0.90 | 15.500 | 8.46 |
| 80 06 02 1535 | | .3 | 1 | 306.0 | 3.0 | 303.0 | 462.0 | 2.70 | 13.500 | 8.35 |
| 80 07 01 1555 | | .3 | 1 | 338.0 | 11.8 | 326.0 | 468.0 | 0.85 | 15.500 | 8.46 |
| 80 08 05 1550 | | .3 | 1 | 326.2 | 6.6 | 319.6 | 463 | 3.3 | 17.5 | 8.48 |
| 80 09 02 1540 | | .3 | 1 | 258.9 | 6.4 | 252.5 | 419 | 2.5 | 17.5 | 8.38 |
| 80 10 14 1545 | | .3 | 1 | 367.1 | 2.8 | 364.3 | 602.0 | 0.90 | 18.500 | 8.41 |
| 80 11 10 1555 | | .3 | 1 | 443.2 | 1.7 | 441.5 | 645.0 | 1.40 | 18.500 | 8.29 |
| 80 12 01 1545 | | .3 | 1 | 403.9 | 12.9 | 391.0 | 638.0 | 5.00 | 21.000 | 8.34 |
| MAXIMUM | | | | **443.2** | **13.5** | **441.5** | **670.0** | **5.00** | **21.000** | **8.48** |
| ARITH MEAN | | | | **360.9** | **6.0** | **354.9** | **556** | **1.9** | **16.9** | **8.28** |
| GEOM MEAN | | | | **356.2** | **4.6** | **350.1** | **549** | **1.6** | **16.7** | **8.28** |
| MINIMUM | | | | **258.9** | **1.5** | **252.5** | **419** | **0.85** | **13.500** | **7.89** |
| STD DEV | | | | **60.0** | **4.4** | **60.3** | **93** | **1.2** | **2.3** | **0.20** |
| NO OF SAMPLES | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

| | | |
|---|---|---|
| BOW / SITE: **MAITLAND RIVER**<br>SAMPLE POINT: **ONE MILE NORTH EAST OF WROXETER**<br>STATION TYPE: **RIVER** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE HURON**<br>TERM STREAM: **MAITLAND RIVER** | STATION ID: **08-0056-004-02**<br>STORET CODE: **02**<br>**002**<br>**0530** |
| LAT LONG | UTM **17 0487150.0 4857075.0 4** REGION: **01** | DISTANCE: **100.420** |

| | | | | | TEST-NAME: | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT DEM MG/L AS O |
| 80 01 07 0800 | | | 3 | 1 | | 32000 | 4 | | | | | | 0.0 | 14.0 | 0.2 |
| 80 02 04 0840 | | | 3 | 1 | | 32015 | 4 | 24 | 140 | 8 | 4 | 4< | 0.0 | 12.5 | 0.7 |
| 80 03 03 0850 | | | 3 | 1 | | 32030 | 4 | | | | | | 0.0 | 12.0 | 1.4 |
| 80 04 08 0830 | | | 3 | 1 | | 32045 | 8 | | | | | | 7.0 | 10.5 | 1.3 |
| 80 05 05 0815 | | | 3 | 1 | | 32060 | 8 | 90I | 2400 | 10I | 10< | 4< | 14.0 | 7.5 | 1.4 |
| 80 06 02 0815 | | | 3 | 1 | | 32075 | 8 | 228C | 1640 | 92 | 36 | 4< | 15.0 | 8.0 | 1.1 |
| 80 07 01 0845 | | | 3 | 1 | | 32090 | 8 | 436C | 1590 | 16 | 16 | 4< | 19.0 | 7.5 | 1.4 |
| 80 08 05 0830 | | | 3 | 1 | | 32105 | 8 | 170C | 4300 | 16 | 4< | 4< | 22.0 | 6.0 | 0.9 |
| 80 09 02 0830 | | | 3 | 1 | | 32120 | 8 | 2200 | 15300 | 184 | 64 | 8 | 22.0 | 6.0 | 1.0 |
| 80 10 14 0830 | | | 3 | 1 | | 32135 | 8 | 540 | 1300 | 200 | 180 | 4< | 7.0 | 9.0 | 0.9 |
| 80 11 10 0845 | | | 3 | 1 | | 32150 | 8 | 340 | 1570 | 70I | 700 | 4< | 4.0 | 10.0 | 1.2 |
| 80 12 01 0835 | | | 3 | 1 | | 32165 | 8 | 110 | 440 | 50I | 1500> | 4< | 2.0 | 10.5 | 0.1 |
| MAXIMUM | | | | | | | | 2200 | 15300 | 200 | 1500> | 8 | 22.0 | 14.0 | 1.4 |
| ARITH MEAN | | | | | | | | 460 | 3187 | 72 | 279B | 4L | 9.3 | 9.5 | 1.0 |
| GEOM MEAN | | | | | | | | 227 | 1650 | 40 | 47B | 4L | 5.5 | 9.1 | 0.8 |
| MINIMUM | | | | | | | | 24 | 140 | 8 | 4< | 4< | 0.0 | 6.0 | 0.1 |
| STD DEV | | | | | | | | 674 | 4698 | 74 | 509B | 1L | 8.6 | 2.6 | 0.4 |
| NO OF SAMPLES | | | | | | | | 9 | 9 | 9 | 9 | 9 | 12 | 12 | 12 |

| | | | | | TEST-NAME: | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 07 0800 | | | 3 | 1 | | 0.019 | 0.010 | 0.035 | 0.430 | 0.012 | 5.040 | 5.087 | 0.395 | 5.482 | 420.0 |
| 80 02 04 0840 | | | 3 | 1 | | 0.016 | 0.007 | 0.035 | 0.460 | 0.012 | 4.000 | 4.047 | 0.425 | 4.472 | 428.0 |
| 80 03 03 0850 | | | 3 | 1 | | 0.037 | 0.006 | 0.070 | 0.510 | 0.017 | 3.700 | 3.787 | 0.440 | 4.227 | 466.0 |
| 80 04 08 0830 | | | 3 | 1 | | 0.056 | 0.031 | 0.040 | 0.670 | 0.014 | 3.040 | 3.094 | 0.630 | 3.724 | 254.0 |
| 80 05 05 0815 | | | 3 | 1 | | 0.031 | 0.008 | 0.035 | 0.710 | 0.031 | 2.070 | 2.136 | 0.675 | 2.811 | 354.0 |
| 80 06 02 0815 | | | 3 | 1 | | 0.017 | 0.003 | 0.065 | 0.750 | 0.026 | 1.600 | 1.691 | 0.685 | 2.376 | 326.0 |
| 80 07 01 0845 | | | 3 | 1 | | 0.026 | 0.003 | 0.095 | 0.780 | 0.032 | 0.860 | 0.987 | 0.685 | 1.672 | 286.0 |
| 80 08 05 0830 | | | 3 | 1 | | 0.028 | 0.001 | 0.120 | 0.91 | 0.014 | 0.38 | 0.514 | 0.790 | 1.304 | 343.2 |
| 80 09 02 0830 | | | 3 | 1 | | 0.033 | 0.003 | 0.190 | 0.740 | 0.011 | 0.20 | 0.401 | 0.550 | 0.951 | 327.8 |
| 80 10 14 0830 | | | 3 | 1 | | 0.016 | 0.001 | 0.020 | 0.840 | 0.011 | 2.340 | 2.371 | 0.820 | 3.191 | 365.1 |
| 80 11 10 0845 | | | 3 | 1 | | 0.025 | 0.001 | 0.010 | 0.800 | 0.011 | 3.000 | 3.021 | 0.790 | 3.811 | 433.4 |
| 80 12 01 0835 | | | 3 | 1 | | 0.014 | 0.002 | 0.015 | 0.590 | 0.010 | 3.000 | 3.025 | 0.575 | 3.600 | 395.3 |
| MAXIMUM | | | | | | 0.056 | 0.031 | 0.190 | 0.91 | 0.032 | 5.040 | 5.087 | 0.820 | 5.482 | 466.0 |
| ARITH MEAN | | | | | | 0.026 | 0.008 | 0.061 | 0.68 | 0.017 | 2.43 | 2.513 | 0.622 | 3.135 | 366.6 |
| GEOM MEAN | | | | | | 0.024 | 0.004 | 0.044 | 0.66 | 0.015 | 1.78 | 1.989 | 0.605 | 2.802 | 361.3 |
| MINIMUM | | | | | | 0.014 | 0.001 | 0.010 | 0.430 | 0.010 | 0.20 | 0.401 | 0.395 | 0.951 | 254.0 |
| STD DEV | | | | | | 0.012 | 0.008 | 0.052 | 0.15 | 0.008 | 1.48 | 1.449 | 0.147 | 1.384 | 63.8 |
| NO OF SAMPLES | | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| | | | | | TEST-NAME: | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 07 0800 | | | 3 | 1 | | 1.5 | 418.5 | 640.0 | 1.60 | 15.500 | 8.17 |
| 80 02 04 0840 | | | 3 | 1 | | 14.5 | 413.5 | 640.0 | 1.80 | 18.500 | 7.89 |
| 80 03 03 0850 | | | 3 | 1 | | 29.0 | 437.0 | 710.0 | 13.00 | 35.000 | 7.87 |
| 80 04 08 0830 | | | 3 | 1 | | 4.5 | 249.5 | 457.0 | 2.50 | 10.500 | 8.18 |
| 80 05 05 0815 | | | 3 | 1 | | 8.5 | 345.5 | 530.0 | 0.90 | 14.000 | 8.13 |
| 80 06 02 0815 | | | 3 | 1 | | 7.5 | 318.5 | 484.0 | 2.40 | 14.500 | 8.23 |
| 80 07 01 0845 | | | 3 | 1 | | 6.5 | 279.0 | 494.0 | 1.30 | 16.000 | 8.16 |
| 80 08 05 0830 | | | 3 | 1 | | 2.6 | 340.6 | 483 | 1.7 | 15.0 | 8.22 |
| 80 09 02 0830 | | | 3 | 1 | | 3.0 | 324.8 | 479 | 1.5 | 17.5 | 8.06 |
| 80 10 14 0830 | | | 3 | 1 | | 2.3 | 362.8 | 585.0 | 1.30 | 15.000 | 8.26 |
| 80 11 10 0845 | | | 3 | 1 | | 6.3 | 427.1 | 630.0 | 1.90 | 16.000 | 8.17 |
| 80 12 01 0835 | | | 3 | 1 | | 3.5 | 391.8 | 620.0 | 1.10 | 18.500 | 8.25 |
| MAXIMUM | | | | | | 29.0 | 437.0 | 710.0 | 13.00 | 35.000 | 8.26 |
| ARITH MEAN | | | | | | 7.5 | 359.0 | 562 | 2.5 | 17.1 | 8.13 |
| GEOM MEAN | | | | | | 5.3 | 354.1 | 556 | 1.8 | 16.4 | 8.13 |
| MINIMUM | | | | | | 1.5 | 249.5 | 457.0 | 0.90 | 10.500 | 7.87 |
| STD DEV | | | | | | 7.7 | 60.3 | 84 | 3.3 | 6.0 | 0.13 |
| NO OF SAMPLES | | | | | | 12 | 12 | 12 | 12 | 12 | 12 |

SAMPLE INFORMATION SYSTEM — 1980 WATER QUALITY DATA — DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **LITTLE MAITLAND RIVER**
SAMPLE POINT: **HWY.23 3 MILES S-W OF PALMERSTON**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **MAITLAND RIVER**

STATION ID: **08-0008-006-02**
STORET CODE: **02**
**002**
**0630**

LAT: LONG: U T M: **17 0509000.0 4851090.0 4** REGION: **01** DISTANCE: **131.983**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 07 0915 | | | .3 | 1 | 32002 | 4 | | | | | | 0.0 | 9.5 | 5.4 |
| 80 02 04 0930 | | | .3 | 1 | 32017 | 4 | 58000 | 44000 | 21200> | 10700 | 4< | 0.0 | 7.0 | 4.6 |
| 80 03 03 0935 | | | .3 | 1 | 32032 | 4 | | | | | | 0.0 | 4.5 | 6.2 |
| 80 04 08 0900 | | | .3 | 1 | 32047 | 8 | | | | | | 7.5 | 9.5 | 1.3 |
| 80 05 05 0855 | | | .3 | 1 | 32062 | 8 | 6800 | 22000 | 1800 | 200I | 12 | 10.5 | 8.5 | 2.4 |
| 80 06 02 0905 | | | .3 | 1 | 32077 | 8 | 3300C | 47000 | 1500> | 1500> | 40 | 12.5 | 4.0 | 6.7 |
| 80 07 01 0925 | | | .3 | 1 | 32092 | 8 0 | 19000 | 51000 | 2800 | 70I | 56 | 15.0 | 4.5 | 5.5 |
| 80 08 05 0910 | | | .3 | 1 | 32107 | 8 | 2000C | 2400000> | 290 | 280 | 4< | 21.5 | 3.0 | 7.0> |
| 80 09 02 0915 | | | .3 | 1 | 32122 | 8 | 12200C | 20000 | 600> | 528 | 16 | 18.5 | 4.0 | 7.0> |
| 80 10 14 0910 | | | .3 | 1 | 32137 | 8 | 5000 | 4900 | 1440 | 530 | 4 | 6.0 | 5.0 | 2.0 |
| 80 11 10 0925 | | | .3 | 1 | 32152 | 8 | 5000 | 7100 | 1500> | 1500> | 4 | 4.0 | 6.5 | 4.4 |
| 80 12 01 0915 | | | .3 | 1 | 32167 | 8 | 9200 | 9900 | 1220 | 820 | 12 | 3.0 | 6.0 | 3.0 |
| | | | MAXIMUM | | | | 58000 | 2400000> | 21200> | 10700> | 56 | 21.5 | 9.5 | 7.0> |
| | | | ARITH MEAN | | | | 13389 | 289644Q | 3594Q | 1792Q | 17L | 8.2 | 6.0 | 4.6Q |
| | | | GEOM MEAN | | | | 8030 | 32300Q | 1612Q | 663Q | 10L | 5.2 | 5.8 | 4.1Q |
| | | | MINIMUM | | | | 2000 | 4900 | 290 | 70 | 4< | 0.0 | 3.0 | 1.3 |
| | | | STD DEV | | | | 17622 | 751818Q | 6840Q | 3381Q | 19L | 7.4 | 2.2 | 2.0Q |
| | | | NO OF SAMPLES | | | | 9 | 9 | 9 | 9 | 9 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 07 0915 | | | .3 | 1 | 0.700 | 0.465 | 2.480 | 3.050 | 0.087 | 3.610 | 6.177 | 0.570 | 6.747 | 482.0 |
| 80 02 04 0930 | | | .3 | 1 | 0.850 | 0.780 | 4.450 | 4.700 | 0.075 | 2.470 | 6.995 | 0.250 | 7.245 | 530.0 |
| 80 03 03 0935 | | | .3 | 1 | 1.180 | 1.080 | 5.850 | 5.900 | 0.069 | 1.600 | 7.519 | 0.050 | 7.569 | 522.0 |
| 80 04 08 0900 | | | .3 | 1 | 0.131 | 0.098 | 0.340 | 0.980 | 0.037 | 3.210 | 3.587 | 0.640 | 4.227 | 338.0 |
| 80 05 05 0855 | | | .3 | 1 | 0.435 | 0.305 | 1.280 | 1.000 | 0.101 | 2.150 | 3.531 | 0.280 | 3.251 | 448.0 |
| 80 06 02 0905 | | | .3 | 1 | 1.250 | 0.550 | 1.730 | 3.200 | 0.335 | 1.580 | 3.645 | 1.470 | 5.115 | 378.0 |
| 80 07 01 0925 | | | .3 | 1 | 1.050 | 0.750 | 5.400 | 5.600 | 0.440 | 0.480 | 6.320 | 0.200 | 6.520 | 536.0 |
| 80 08 05 0910 | | | .3 | 1 | 2.70 | 2.40 | 3.3 | 4.60 | 0.39 | 6.1 | 9.790 | 1.300 | 11.090 | 595.9 |
| 80 09 02 0915 | | | .3 | 1 | 1.98 | 1.64 | 4.70 | 2.15 | 0.162 | 0.88 | 5.742 | 2.550 | 3.192 | 506.0 |
| 80 10 14 0910 | | | .3 | 1 | 0.850 | 0.820 | 4.250 | 4.800 | 0.130 | 1.920 | 6.300 | 0.550 | 6.850 | 573.7 |
| 80 11 10 0925 | | | .3 | 1 | 0.350 | 0.310 | 1.000 | 1.760 | 0.077 | 2.500 | 3.577 | 0.760 | 4.337 | 530.0 |
| 80 12 01 0915 | | | .3 | 1 | 0.715 | 0.655 | 2.800 | 3.700 | 0.095 | 2.200 | 5.095 | 0.900 | 5.995 | 659.6 |
| | | | MAXIMUM | | 2.70 | 2.40 | 5.850 | 5.900 | 0.440 | 6.1 | 9.790 | 2.550 | 11.090 | 659.6 |
| | | | ARITH MEAN | | 1.01 | 0.82 | 3.1 | 3.46 | 0.16 | 2.3 | 5.690 | 0.793 | 6.011 | 508.3 |
| | | | GEOM MEAN | | 0.79 | 0.61 | 2.4 | 2.96 | 0.12 | 2.0 | 5.398 | 0.528 | 5.655 | 500.6 |
| | | | MINIMUM | | 0.131 | 0.098 | 0.340 | 0.980 | 0.037 | 0.480 | 3.531 | 0.050 | 3.192 | 338.0 |
| | | | STD DEV | | 0.71 | 0.64 | 1.8 | 1.71 | 0.13 | 1.4 | 1.928 | 0.701 | 2.207 | 89.0 |
| | | | NO OF SAMPLES | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 07 0915 | | | .3 | 1 | 12.0 | 470.0 | 780.0 | 4.30 | 47.000 | 7.65 |
| 80 02 04 0930 | | | .3 | 1 | 15.0 | 515.0 | 830.0 | 2.70 | 45.500 | 7.59 |
| 80 03 03 0935 | | | .3 | 1 | 6.0 | 516.0 | 865.0 | 4.00 | 50.000 | 7.53 |
| 80 04 08 0900 | | | .3 | 1 | 5.0 | 333.0 | 585.0 | 1.80 | 28.000 | 7.97 |
| 80 05 05 0855 | | | .3 | 1 | 7.5 | 440.5 | 730.0 | 1.00 | 34.000 | 7.91 |
| 80 06 02 0905 | | | .3 | 1 | 13.0 | 365.0 | 640.0 | 3.00 | 13.900 | 7.54 |
| 80 07 01 0925 | | | .3 | 1 | 7.0 | 529.0 | 870.0 | 0.95 | 61.500 | 7.70 |
| 80 08 05 0910 | | | .3 | 1 | 6.2 | 389.7 | 940 | 1.8 | 71.5 | 7.59 |
| 80 09 02 0915 | | | .3 | 1 | 4.0 | 502.0 | 800 | 1.4 | 57.0 | 7.61 |
| 80 10 14 0910 | | | .3 | 1 | 7.1 | 566.6 | 905.0 | 2.90 | 57.500 | 7.76 |
| 80 11 10 0925 | | | .3 | 1 | 3.6 | 526.4 | 805.0 | 1.90 | 40.000 | 7.81 |
| 80 12 01 0915 | | | .3 | 1 | 4.8 | 654.8 | 1090.0 | 1.30 | 140.000 | 7.87 |
| | | | MAXIMUM | | 15.0 | 654.8 | 1090.0 | 4.30 | 140.000 | 7.97 |
| | | | ARITH MEAN | | 7.6 | 484.0 | 820 | 2.2 | 53.8 | 7.71 |
| | | | GEOM MEAN | | 6.9 | 476.0 | 809 | 2.0 | 46.9 | 7.71 |
| | | | MINIMUM | | 3.6 | 333.0 | 585.0 | 0.95 | 13.900 | 7.53 |
| | | | STD DEV | | 3.7 | 90.6 | 133 | 1.1 | 31.3 | 0.16 |
| | | | NO OF SAMPLES | | 12 | 12 | 12 | 12 | 12 | 12 |

| | | | |
|---|---|---|---|
| B.O.W./SITE: **MAITLAND RIVER** | | STATION ID: **08-0056-007-02** | |
| SAMPLE POINT: **HIGHWAY 87, DOWNSTREAM FROM HARRISTON** | MAJOR BASIN: **GREAT LAKES** | STORET CODE: **02**<br>**002**<br>**0630** | |
| STATION TYPE: **RIVER** | MINOR BASIN: **LAKE HURON** | | |
| | TERM STREAM: **MAITLAND RIVER** | | |
| LAT LONG | U T M: **17 0508800.0 4860950.0 4** | REGION: **02** | DISTANCE: **134.850** |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE: SAMPLE NUMBER | FWSTRC: STREAM COND. | TCMF: COLIFORM TOTAL MF CNT /100ML | TCMFBK: COLIFORM TOTAL MF BCKGRD CNT /100ML | FCMF: FECAL COLIFORM MF CNT /100ML | FSMF: FECAL STREPCUS MF CNT /100ML | PSAMF: PSEUDOMN AERUG. MF CNT /100ML | FWTEMP: WATER TEMP DEG.C | DO: DISOLVED OXYGEN MG/L AS O | BOD5: BOD 5 DAY TOT.DEM. MG/L AS O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 07 0900 | | | .3 | 1 | 32001 | 4 | | | | | | 0.0 | 13.0 | 0.3 |
| 80 02 04 0910 | | | .3 | 1 | 32016 | 4 | 34000> | 3700 | 1500> | 880 | 4< | 0.0 | 10.5 | 3.7 |
| 80 03 03 0910 | | | .3 | 1 | 32031 | 4 | | | | | | 0.0 | 10.5 | 2.3 |
| 80 04 08 0845 | | | .3 | 1 | 32046 | 8 | | | | | | 7.0 | 10.0 | 1.1 |
| 80 05 05 0840 | | | .3 | 1 | 32061 | 8 | 2000 | 4200 | 300I | 10< | 4 | 14.0 | 8.0 | 1.2 |
| 80 06 02 0850 | | | .3 | 1 | 32076 | 8 | 4900C | 29000 | 1500> | 450 | 4 | 14.5 | 6.0 | 1.1 |
| 80 07 01 0905 | | | .3 | 1 | 32091 | 8 | 660C | 24000 | 348 | 52 | 4< | 17.0 | 6.5 | 1.1 |
| 80 08 05 0850 | | | .3 | 1 | 32106 | 8 | 500C | 48000 | 44 | 4 | 4< | 21.0 | 4.0 | 1.2 |
| 80 09 02 0855 | | | .3 | 1 | 32121 | 8 | 3000 | 16000 | 252 | 52 | 16 | 20.5 | 4.5 | 1.0 |
| 80 10 14 0850 | | | .3 | 1 | 32136 | 8 | 600I | 1200 | 250 | 116 | 4< | 6.5 | 9.5 | 0.4 |
| 80 11 10 0905 | | | .3 | 1 | 32151 | 8 | 3900 | 12900 | 930 | 600> | 4< | 3.0 | 9.5 | 8.0> |
| 80 12 01 0855 | | | .3 | 1 | 32166 | 8 | 420 | 920 | 240 | 1300 | 4< | 2.0 | 11.0 | 0.2 |
| MAXIMUM | | | | | | | 34000> | 48000 | 1500> | 1300> | 16 | 21.0 | 13.0 | 8.0> |
| ARITH MEAN | | | | | | | 5553Q | 15547 | 596Q | 385B | 5L | 8.8 | 8.6 | 1.8Q |
| GEOM MEAN | | | | | | | 1901Q | 7889 | 375Q | 116B | 5L | 5.2 | 8.1 | 1.1Q |
| MINIMUM | | | | | | | 420 | 920 | 44 | 4< | 4< | 0.0 | 4.0 | 0.2 |
| STD DEV | | | | | | | 10793Q | 15818 | 566Q | 463B | 4L | 8.2 | 2.8 | 2.2Q |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 9 | 12 | 12 | 12 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PPUT: PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR: PO4 FIL.REAC MG/L AS P | NNHTFR: NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR: K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR: NO2-N FIL.REAC MG/L AS N | NNO3FR: NO3-N FIL.REAC MG/L AS N | NNTIFR: ORG N TOTAL FIL.REAC MG/L | NNKUR: KJELDAHL ORGANIC UNF.REAC MG/L | NNKI: TOTAL N MG/L AS N | RST: RESIDUE TOTAL MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 07 0900 | | | .3 | 1 | 0.106 | 0.090 | 0.215 | 0.630 | 0.015 | 3.840 | 4.070 | 0.415 | 4.485 | 442.0 |
| 80 02 04 0910 | | | .3 | 1 | 0.480 | 0.435 | 0.005< | 0.730 | 0.020 | 2.670 | 2.695 | 0.725 | 3.420 | 456.0 |
| 80 03 03 0910 | | | .3 | 1 | 0.315 | 0.235 | 0.245 | 0.660 | 0.021 | 2.400 | 2.666 | 0.415 | 3.081 | 526.0 |
| 80 04 08 0845 | | | .3 | 1 | 0.064 | 0.064 | 0.150 | 0.730 | 0.014 | 2.490 | 2.654 | 0.580 | 3.234 | 264.0 |
| 80 05 05 0840 | | | .3 | 1 | 0.325 | 0.230 | 0.325 | 1.110 | 0.048 | 1.130 | 1.503 | 0.785 | 2.288 | 374.0 |
| 80 06 02 0850 | | | .3 | 1 | 0.090 | 0.054 | 0.085 | 0.720 | 0.044 | 0.770 | 0.899 | 0.635 | 1.534 | 318.0 |
| 80 07 01 0905 | | | .3 | 1 | 0.042 | 0.015 | 0.040 | 0.640 | 0.042 | 0.700 | 0.782 | 0.600 | 1.382 | 344.0 |
| 80 08 05 0850 | | | .3 | 1 | 0.085 | 0.038 | 0.060 | 0.74 | 0.019 | 0.04 | 0.119 | 0.680 | 0.799 | 375.9 |
| 80 09 02 0855 | | | .3 | 1 | 0.122 | 0.084 | 0.200 | 0.70 | 0.075 | 0.45 | 0.725 | 0.500 | 1.225 | 388.0 |
| 80 10 14 0850 | | | .3 | 1 | 0.031 | 0.014 | 0.025 | 0.660 | 0.025 | 2.280 | 2.330 | 0.635 | 2.965 | 412.8 |
| 80 11 10 0905 | | | .3 | 1 | 1.020 | 0.710 | 1.500 | 1.950 | 0.042 | 2.700 | 4.242 | 0.450 | 4.692 | 505.0 |
| 80 12 01 0855 | | | .3 | 1 | 0.017 | 0.003 | 0.055 | 0.600 | 0.011 | 2.440 | 2.506 | 0.545 | 3.051 | 402.6 |
| MAXIMUM | | | | | 1.020 | 0.710 | 1.500 | 1.950 | 0.075 | 3.840 | 4.242 | 0.785 | 4.692 | 526.0 |
| ARITH MEAN | | | | | 0.226 | 0.164 | 0.242L | 0.82 | 0.031 | 1.82 | 2.099 | 0.580 | 2.680 | 400.7 |
| GEOM MEAN | | | | | 0.120 | 0.068 | 0.101L | 0.77 | 0.027 | 1.21 | 1.638 | 0.569 | 2.366 | 394.1 |
| MINIMUM | | | | | 0.017 | 0.003 | 0.005< | 0.600 | 0.011 | 0.04 | 0.119 | 0.415 | 0.799 | 264.0 |
| STD DEV | | | | | 0.288 | 0.214 | 0.409L | 0.37 | 0.019 | 1.16 | 1.316 | 0.120 | 1.256 | 74.9 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RSP: RESIDUE PARTIC. MG/L | RSF: RESIDUE FILTERED MG/L | COND25: CONDUCT. 25C UMHO/CM AT 25 C | TURB: TURB'ITY FTU | CLIDUR: CHLORIDE UNF.REAC MG/L AS CL | PH: PH |
|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 07 0900 | | | .3 | 1 | 2.0 | 440.0 | 680.0 | 2.30 | 15.500 | 7.89 |
| 80 02 04 0910 | | | .3 | 1 | 14.0 | 442.0 | 680.0 | 2.20 | 13.500 | 7.70 |
| 80 03 03 0910 | | | .3 | 1 | 38.0 | 488.0 | 730.0 | 8.50 | 14.000 | 7.85 |
| 80 04 08 0845 | | | .3 | 1 | 5.0 | 259.0 | 460.0 | 2.20 | 11.000 | 7.98 |
| 80 05 05 0840 | | | .3 | 1 | 7.5 | 366.5 | 598.0 | 1.20 | 20.500 | 8.09 |
| 80 06 02 0850 | | | .3 | 1 | 6.0 | 312.0 | 520.0 | 2.40 | 14.500 | 7.95 |
| 80 07 01 0905 | | | .3 | 1 | 3.0 | 341.0 | 510.0 | 0.95 | 10.500 | 8.06 |
| 80 08 05 0850 | | | .3 | 1 | 4.0 | 371.9 | 550 | 1.2 | 14.0 | 7.99 |
| 80 09 02 0855 | | | .3 | 1 | 3.9 | 384.1 | 605 | 1.8 | 19.0 | 7.90 |
| 80 10 14 0850 | | | .3 | 1 | 1.7 | 411.1 | 670.0 | 1.30 | 16.000 | 8.11 |
| 80 11 10 0905 | | | .3 | 1 | 24.7 | 480.3 | 750.0 | 8.00 | 34.500 | 8.04 |
| 80 12 01 0855 | | | .3 | 1 | 3.8 | 398.8 | 640.0 | 1.50 | 16.500 | 8.22 |
| MAXIMUM | | | | | 38.0 | 488.0 | 750.0 | 8.50 | 34.500 | 8.22 |
| ARITH MEAN | | | | | 9.5 | 391.2 | 616 | 2.8 | 16.6 | 7.98 |
| GEOM MEAN | | | | | 6.9 | 385.5 | 609 | 2.1 | 15.8 | 7.98 |
| MINIMUM | | | | | 1.7 | 259.0 | 460.0 | 0.95 | 10.500 | 7.70 |
| STD DEV | | | | | 11.1 | 67.4 | 91 | 2.6 | 6.3 | 0.14 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 |

B.O.W./ SITE: **MIDDLE MAITLAND RIVER**
SAMPLE POINT: **HAMLET OF TROWBRIDGE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **MAITLAND RIVER**

STATION ID: **08-0056-009-02**

STORET CODE: **02**
**002**
**0530**

LAT: LONG: U T M: **17 0497720.0 4841750.0 4** REGION: **01** DISTANCE: **140.875**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 07 1120 | | | .3 | 1 | 32006 | 4 | | | | | | 0.0 | 10.5 | 4.4 |
| 80 02 04 1125 | | | .3 | 1 | 32021 | 4 | 340 | 230 | 100 | 92 | 4< | 0.0 | 11.5 | 0.6 |
| 80 03 03 1030 | | | .3 | 1 | 32036 | 4 | | | | | | 0.0 | 11.5 | 1.8 |
| 80 04 08 1010 | | | .3 | 1 | 32051 | 8 | | | | | | 9.5 | 11.0 | 1.0 |
| 80 05 05 1000 | | | .3 | 1 | 32066 | 8 | 1000 | 6000 | 120 | 20I | 4< | 15.0 | 10.0 | 0.9 |
| 80 06 02 1010 | | | .3 | 1 | 32081 | 8 | 1300 | 8800 | 600> | 284 | 4< | 15.0 | 6.5 | 1.1 |
| 80 07 01 1025 | | | .3 | 1 | 32096 | 8 5 | 200C | 24000 | 110 | 72 | 4< | 15.0 | 9.0 | 0.6 |
| 80 08 05 1000 | | | .3 | 1 | 32111 | 8 5 | 80C | 24000> | 36 | 4< | 4< | 22.0 | 4.5 | 1.3 |
| 80 09 02 1015 | | | .3 | 1 | 32126 | 8 5 | 1700 | 14300 | 56 | 28 | 4< | 21.0 | 7.0 | 1.2 |
| 80 10 14 1010 | | | .3 | 1 | 32141 | 8 5 | 130 | 470 | 44 | 28 | 4< | 6.0 | 12.5 | 1.2 |
| 80 11 10 1025 | | | .3 | 1 | 32156 | 8 5 | 370 | 1400 | 140 | 516 | 4 | 3.0 | 10.5 | 0.9 |
| 80 12 01 1025 | | | .3 | 1 | 32171 | 8 | 1800 | 5700 | 150 | 190 | 4< | 3.0 | 11.0 | 2.0 |
| MAXIMUM | | | | | | | 1800 | 24000> | 600> | 516 | 4 | 22.0 | 12.5 | 4.4 |
| ARITH MEAN | | | | | | | 769 | 9433G | 151G | 137L | 4L | 9.1 | 9.6 | 1.4 |
| GEOM MEAN | | | | | | | 468 | 4163G | 104G | 61L | 4L | 5.6 | 9.3 | 1.2 |
| MINIMUM | | | | | | | 80 | 230 | 36 | 4< | 4< | 0.0 | 4.5 | 0.6 |
| STD DEV | | | | | | | 691 | 9378G | 173G | 169L | 0L | 8.2 | 2.4 | 1.0 |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 9 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 07 1120 | | | .3 | 1 | 0.252 | 0.088 | 1.720 | 230.000 | 0.037 | 4.910 | 6.667 | 228.280 | 234.947 | 548.0 |
| 80 02 04 1125 | | | .3 | 1 | 0.105 | 0.090 | 0.220 | 0.560 | 0.017 | 3.700 | 3.937 | 0.340 | 4.277 | 418.0 |
| 80 03 03 1030 | | | .3 | 1 | 0.190 | 0.174 | 0.260 | 0.720 | 0.016 | 3.200 | 3.476 | 0.460 | 3.936 | 452.0 |
| 80 04 08 1010 | | | .3 | 1 | 0.081 | 0.041 | 0.465 | 1.300 | 0.021 | 3.730 | 4.216 | 0.835 | 5.051 | 294.0 |
| 80 05 05 1000 | | | .3 | 1 | 0.044 | 0.016 | 0.050 | 0.720 | 0.042 | 1.880 | 1.972 | 0.670 | 2.642 | 306.0 |
| 80 06 02 1010 | | | .3 | 1 | 0.074 | 0.050 | 0.050 | 0.710 | 0.044 | 0.570 | 0.664 | 0.660 | 1.324 | 290.0 |
| 80 07 01 1025 | | | .3 | 1 | 0.114 | 0.066 | 0.045 | 1.060 | 0.004 | 0.020 | 0.069 | 1.015 | 1.084 | 388.0 |
| 80 08 05 1000 | | | .3 | 1 | 0.305 | 0.245 | 0.040 | 1.03 | 0.002 | 0.01 < | 0.052 | 0.990 | 1.042 | 538.8 |
| 80 09 02 1015 | | | .3 | 1 | 0.212 | 0.162 | 0.030 | 1.02 | 0.003 | 0.01 < | 0.043 | 0.990 | 1.033 | 490.3 |
| 80 10 14 1010 | | | .3 | 1 | 0.078 | 0.044 | 0.005 | 0.790 | 0.015 | 0.200 | 0.220 | 0.785 | 1.005 | 449.8 |
| 80 11 10 1025 | | | .3 | 1 | 0.049 | 0.021 | 0.005 | 0.800 | 0.027 | 3.300 | 3.332 | 0.795 | 4.127 | 445.8 |
| 80 12 01 1025 | | | .3 | 1 | 0.272 | 0.131 | 1.650 | 3.560 | 0.016 | 1.770 | 3.436 | 1.910 | 5.346 | 639.0 |
| MAXIMUM | | | | | 0.305 | 0.245 | 1.720 | 230.000 | 0.044 | 4.910 | 6.667 | 228.280 | 234.947 | 639.0 |
| ARITH MEAN | | | | | 0.148 | 0.094 | 0.378 | 20.18 | 0.020 | 1.94 L | 2.340 | 19.811 | 22.161 | 438.3 |
| GEOM MEAN | | | | | 0.121 | 0.070 | 0.089 | 1.52 | 0.014 | 0.63 L | 0.873 | 1.257 | 3.322 | 425.8 |
| MINIMUM | | | | | 0.044 | 0.016 | 0.005 | 0.560 | 0.002 | 0.01 < | 0.043 | 0.340 | 1.005 | 290.0 |
| STD DEV | | | | | 0.093 | 0.071 | 0.628 | 66.07 | 0.015 | 1.77 L | 2.161 | 65.652 | 67.036 | 108.2 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 07 1120 | | | .3 | 1 | 49.0 | 499.0 | 815.0 | 16.00 | 44.000 | 7.79 |
| 80 02 04 1125 | | | .3 | 1 | 13.0 | 405.0 | 700.0 | 1.40 | 30.500 | 7.83 |
| 80 03 03 1030 | | | .3 | 1 | 2.5 | 449.5 | 755.0 | 1.80 | 34.000 | 7.89 |
| 80 04 08 1010 | | | .3 | 1 | 0.5< | | 525.0 | 1.20 | 20.000 | 8.03 |
| 80 05 05 1000 | | | .3 | 1 | 6.5 | 299.5 | 560.0 | 0.85 | 19.500 | 8.20 |
| 80 06 02 1010 | | | .3 | 1 | 3.5 | 286.5 | 510.0 | 1.00 | 34.500 | 7.92 |
| 80 07 01 1025 | | | .3 | 1 | 0.1< | 388.0 | 630.0 | 0.70 | 59.000 | 8.28 |
| 80 08 05 1000 | | | .3 | 1 | 2.6 | 536.2 | 880 | 1.1 | 88 | 8.31 |
| 80 09 02 1015 | | | .3 | 1 | 3.5 | 486.8 | 800 | 2.0 | 75.5 | 8.16 |
| 80 10 14 1010 | | | .3 | 1 | 4.0 | 445.8 | 741.0 | 1.00 | 63.500 | 8.55 |
| 80 11 10 1025 | | | .3 | 1 | 2.1 | 443.7 | 700.0 | 1.60 | 36.500 | 8.17 |
| 80 12 01 1025 | | | .3 | 1 | 5.1 | 633.9 | 1030.0 | 2.50 | 97.000 | 8.18 |
| MAXIMUM | | | | | 49.0 | 633.9 | 1030.0 | 16.00 | 97.000 | 8.55 |
| ARITH MEAN | | | | | 7.7L | 443.1 | 720 | 2.6 | 50 | 8.11 |
| GEOM MEAN | | | | | 3.1L | 432.5 | 705 | 1.5 | 44 | 8.11 |
| MINIMUM | | | | | 0.1< | 286.5 | 510.0 | 0.70 | 19.500 | 7.79 |
| STD DEV | | | | | 13.4L | 99.9 | 152 | 4.2 | 28 | 0.22 |
| NO OF SAMPLES | | | | | 12 | 11 | 12 | 12 | 12 | 12 |

B O W / SITE **DRAINAGE DITCH**
SAMPLE POINT **AT SIDE RD.3-4 1MI.WEST OF MILVERTON**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **MAITLAND RIVER**

STATION ID: **08-0056-010-02**
STORET CODE **02**
**002**
**0530**

LAT LONG U T M: **17 0504600.0 4824275.0 4** REGION: **01** DISTANCE **153.888**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 07 1045 | | | .3 | 1 | 32005 | 4 | | | | | | 0.0 | 13.0 | 2.8 |
| 80 02 04 1030 | | | .3 | 1 | 32020 | 4.0 | 300000 | 270000 | 150000 | 110000 | 30I | 0.0 | 7.5 | 50.0 |
| 80 03 03 1100 | | | .3 | 1 | 32035 | 4 | | | | | | 0.0 | 10.0 | 7.6 |
| 80 04 08 1045 | | | .3 | 1 | 32050 | 8 | | | | | | 7.0 | 11.0 | 0.1< |
| 80 05 05 1025 | | | .3 | 1 | 32065 | 8 | 6500 | 16000 | 20I | 300 | 4 | 13.5 | 17.0 | 1.7 |
| 80 06 02 1050 | | | .3 | 1 | 32080 | 8 | 20000> | 35000 | | 460 | 4< | 14.5 | 8.5 | 1.9 |
| 80 07 01 1100 | | | .3 | 1 | 32095 | 8 | 8100C | 240000 | 600> | 600> | 16 | 18.5 | 10.0 | 1.4 |
| 80 08 05 1050 | | | .3 | 1 | 32110 | 8 | 2100C | 32000 | 270 | 100 | 8 | 24.0 | 10.5 | 1.0 |
| 80 09 02 1050 | | | .3 | 1 | 32125 | 8.5 | 11300C | 22000 | 600> | 444 | 20 | 19.0 | 4.0 | 5.2 |
| 80 10 14 1100 | | | .3 | 1 | 32140 | 8.0 | 105000C | 330000 | 1500> | 730 | 4< | 7.0 | 9.0 | 8.4 |
| 80 11 10 1105 | | | .3 | 1 | 32155 | 8 | 2200 | 4500 | 1500 | 1500> | 4< | 4.5 | 13.5 | 1.9 |
| 80 12 01 1115 | | | .3 | 1 | 32170 | 8.0 | 82000 | 70000 | 33000 | 12300> | 190C | 4.0 | 9.0 | 8.4 |
| MAXIMUM | | | | | | | **300000>** | **330000** | **150000>** | **110000>** | **190** | **24.0** | **17.0** | **50.0** |
| ARITH MEAN | | | | | | | **59689G** | **113278** | **23436G** | **14048G** | **31L** | **9.3** | **10.2** | **7.5L** |
| GEOM MEAN | | | | | | | **17344G** | **51736** | **1469G** | **1207G** | **12L** | **5.8** | **9.7** | **2.9L** |
| MINIMUM | | | | | | | **2100** | **4500** | **20** | **100** | **4<** | **0.0** | **4.0** | **0.1<** |
| STD DEV | | | | | | | **97670G** | **128386** | **52373G** | **36192G** | **60L** | **8.3** | **3.3** | **13.7L** |
| NO OF SAMPLES | | | | | | | **9** | **9** | **8** | **9** | **9** | **12** | **12** | **12** |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 07 1045 | | | .3 | 1 | 0.390 | 0.115 | 1.000 | 2.040 | 0.051 | 6.400 | 7.451 | 1.040 | 8.491 | 610.0 |
| 80 02 04 1030 | | | .3 | 1 | 1.600 | 0.152 | 17.900 | 25.000 | 0.098 | 0.010< | 18.008 | 7.100 | 25.108 | 1072.0 |
| 80 03 03 1100 | | | .3 | 1 | 1.400 | 0.480 | 3.500 | 4.550 | 0.088 | 4.700 | 8.288 | 1.050 | 9.338 | 718.0 |
| 80 04 08 1045 | | | .3 | 1 | 0.310 | 0.300 | 0.115 | 0.550 | 0.023 | 9.130 | 9.268 | 0.435 | 9.703 | 400.0 |
| 80 05 05 1025 | | | .3 | 1 | 0.161 | 0.075 | 0.055 | 0.610 | 0.037 | 6.550 | 6.642 | 0.555 | 7.197 | 476.0 |
| 80 06 02 1050 | | | .3 | 1 | 0.310 | 0.220 | 0.320 | 1.080 | 0.123 | 4.280 | 4.723 | 0.760 | 5.483 | 514.0 |
| 80 07 01 1100 | | | .3 | 1 | 0.365 | 0.250 | 0.445 | 1.520 | 0.340 | 3.000 | 3.785 | 1.075 | 4.860 | 632.0 |
| 80 08 05 1050 | | | .3 | 1 | 1.25 | 0.975 | 0.040 | 0.98 | 0.048 | 0.01 < | 0.098 | 0.940 | 1.038 | 602.0 |
| 80 09 02 1050 | | | .3 | 1 | 1.08 | 0.95 | 1.15 | 1.40 | 0.25 | 0.40 | 1.800 | 0.250 | 2.050 | 632.4 |
| 80 10 14 1100 | | | .3 | 1 | 1.200 | 0.650 | 0.030 | 0.370 | 0.025 | 0.200 | 0.255 | 0.340 | 0.595 | 748.7 |
| 80 11 10 1105 | | | .3 | 1 | 0.510 | 0.335 | 0.295 | 1.020 | 0.105 | 3.600 | 4.000 | 0.725 | 4.725 | 550.9 |
| 80 12 01 1115 | | | .3 | 1 | 2.600 | 1.900 | 5.300 | 19.500 | 0.180 | 0.500 | 5.980 | 14.200 | 20.180 | 992.2 |
| MAXIMUM | | | | | **2.600** | **1.900** | **17.900** | **25.000** | **0.340** | **9.130** | **18.008** | **14.200** | **25.108** | **1072.0** |
| ARITH MEAN | | | | | **0.93** | **0.53** | **2.51** | **4.88** | **0.11** | **3.23 L** | **5.868** | **2.372** | **8.231** | **662.3** |
| GEOM MEAN | | | | | **0.68** | **0.35** | **0.47** | **1.81** | **0.08** | **0.91 L** | **3.236** | **1.019** | **5.259** | **637.7** |
| MINIMUM | | | | | **0.161** | **0.075** | **0.030** | **0.370** | **0.023** | **0.010<** | **0.098** | **0.250** | **0.595** | **400.0** |
| STD DEV | | | | | **0.72** | **0.52** | **5.11** | **8.26** | **0.09** | **3.08 L** | **4.847** | **4.162** | **7.457** | **198.5** |
| NO OF SAMPLES | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 07 1045 | | | .3 | 1 | 87.0 | 523.0 | 845.0 | 36.00 | 60.000 | 7.99 |
| 80 02 04 1030 | | | .3 | 1 | 108.0 | 964.0 | 1620.0 | 87.00 | 215.000 | 7.09 |
| 80 03 03 1100 | | | .3 | 1 | 16.0 | 702.0 | 1190.0 | 6.00 | 175.000 | 7.23 |
| 80 04 08 1045 | | | .3 | 1 | 2.5 | 397.5 | 670.0 | 2.10 | 31.000 | 7.87 |
| 80 05 05 1025 | | | .3 | 1 | 28.0 | 448.0 | 795.0 | 2.40 | 60.000 | 8.33 |
| 80 06 02 1050 | | | .3 | 1 | 15.0 | 499.0 | 840.0 | 7.00 | 68.500 | 7.95 |
| 80 07 01 1100 | | | .3 | 1 | 8.3 | 624.0 | 990.0 | 3.10 | 90.500 | 8.22 |
| 80 08 05 1050 | | | .3 | 1 | 3.8 | 598.2 | 1020 | 1.8 | 300 | 8.44 |
| 80 09 02 1050 | | | .3 | 1 | 5.9 | 626.5 | 1060 | 2.4 | 130 | 7.89 |
| 80 10 14 1100 | | | .3 | 1 | 47.3 | 701.4 | 1190.0 | 32.00 | 142.000 | 7.80 |
| 80 11 10 1105 | | | .3 | 1 | 12.3 | 538.6 | 905.0 | 8.80 | 70.500 | 8.15 |
| 80 12 01 1115 | | | .3 | 1 | 86.0 | 906.2 | 1500.0 | | 232.000 | 7.67 |
| MAXIMUM | | | | | **108.0** | **964.0** | **1620.0** | **87.00** | **300** | **8.44** |
| ARITH MEAN | | | | | **35.0** | **627.4** | **1062** | **17.1** | **131** | **7.89** |
| GEOM MEAN | | | | | **18.4** | **607.3** | **1019** | **7.1** | **107** | **7.88** |
| MINIMUM | | | | | **2.5** | **397.5** | **670.0** | **1.8** | **31.000** | **7.09** |
| STD DEV | | | | | **37.8** | **171.4** | **284** | **26.1** | **83** | **0.41** |
| NO OF SAMPLES | | | | | **12** | **12** | **12** | **11** | **12** | **12** |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **MIDDLE MAITLAND RIVER**
SAMPLE POINT: **HIGHWAY 23, DOWNSTREAM FROM LISTOWEL**
STATION TYPE: **RIVER FLOW GAUGE FED 02FE003**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **MAITLAND RIVER**

STATION ID: **08-0056-013-02**
STORET CODE: **02**
**002**
**0530**

LAT: LONG: U T M: **17 0502160.0 4841350.0 4** REGION: **01** DISTANCE: **147.000**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 01 07 0955 | | | .3 | 1 | 32004 | 4 | 0.308 | | | | | | | 13.0 |
| 80 02 04 1010 | | | .3 | 1 | 32019 | 4 | 0.115 | 100< | 100< | 10< | 10< | 4< | 0.0 | 12.5 |
| 80 03 03 1015 | | | .3 | 1 | 32034 | 4 | 0.139 | | | | | | 0.0 | 11.0 |
| 80 04 08 0955 | | | .3 | 1 | 32049 | 8 | 2.030 | | | | | | 0.0 | 11.0 |
| 80 05 05 0945 | | | .3 | 1 | 32064 | 8 | 0.448 | 2100 | 3800 | 220 | 30I | 4< | 9.0 | 10.5 |
| 80 06 02 1000 | | | .3 | 1 | 32079 | 8 | 0.243 | 6000 | 19000 | 204 | 116 | 4 | 15.0 | 6.5 |
| 80 07 01 1010 | | | .3 | 1 | 32094 | 8 5 | 0.150 | 150C | 4900 | 130 | 10I | 8 | 15.0 | 9.5 |
| 80 08 05 0945 | | | .3 | 1 | 32109 | 8 5 | 0.054 | 1900 | 24000 | 120 | 16 | 60 | 17.5 | 5.5 |
| 80 09 02 1000 | | | .3 | 1 | 32124 | 8 5 | 0.028 | 4200 | 22000 | 492 | 172 | 32 | 21.0 | 6.0 |
| 80 10 14 0955 | | | .3 | 1 | 32139 | 8 | 0.081 | 900I | 2300 | 180 | 64 | 4 | 18.5 | 10.0 |
| 80 11 10 1010 | | | .3 | 1 | 32154 | 8 | 0.616 | 2000 | 4900 | 440 | 600> | 4< | 7.0 | 10.5 |
| 80 12 01 1015 | | | .3 | 1 | 32169 | 8 | 0.177 | 1900 | 7200 | 250 | 20I | 4 | 3.0 | 10.5 |
| MAXIMUM | | | | | | | **2.030** | **6000** | **24000** | **492** | **600>** | **60** | **21.0** | **13.0** |
| ARITH MEAN | | | | | | | **0.366** | **2139L** | **9800L** | **227L** | **1158** | **14L** | **9.1** | **9.7** |
| GEOM MEAN | | | | | | | **0.190** | **1200L** | **4881L** | **160L** | **458** | **7L** | **5.6** | **9.4** |
| MINIMUM | | | | | | | **0.028** | **100<** | **100<** | **10<** | **10<** | **4<** | **0.0** | **5.5** |
| STD DEV | | | | | | | **0.552** | **1902L** | **9194L** | **153L** | **1908** | **20L** | **8.0** | **2.4** |
| NO OF SAMPLES | | | | | | | **12** | **9** | **9** | **9** | **9** | **9** | **12** | **12** |

| TEST-NAME: | | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 01 07 0955 | | | .3 | 1 | 1.4 | 1.920 | 0.240 | 0.200 | 0.660 | 0.012 | 4.640 | 4.852 | 0.460 | 5.312 |
| 80 02 04 1010 | | | .3 | 1 | 1.4 | 0.088 | 0.040 | 0.145 | 0.520 | 0.012 | 2.300 | 2.457 | 0.375 | 2.832 |
| 80 03 03 1015 | | | .3 | 1 | 0.7 | 0.186 | 0.055 | 0.285 | 0.620 | 0.013 | 1.780 | 2.078 | 0.335 | 2.413 |
| 80 04 08 0955 | | | .3 | 1 | 0.4 | 0.054 | 0.031 | 0.080 | 0.640 | 0.016 | 3.580 | 3.676 | 0.560 | 4.236 |
| 80 05 05 0945 | | | .3 | 1 | 0.6 | 0.045 | 0.017 | 0.040 | 0.640 | 0.023 | 1.320 | 1.383 | 0.600 | 1.983 |
| 80 06 02 1000 | | | .3 | 1 | 0.8 | 0.106 | 0.051 | 0.110 | 0.750 | 0.025 | 0.360 | 0.495 | 0.640 | 1.135 |
| 80 07 01 1010 | | | .3 | 1 | 2.0 | 0.142 | 0.095 | 0.160 | 0.740 | 0.031 | 0.140 | 0.331 | 0.580 | 0.911 |
| 80 08 05 0945 | | | .3 | 1 | 1.4 | 0.126 | 0.039 | 0.125 | 0.87 | 0.010 | 0.01 < | 0.145 | 0.745 | 0.890 |
| 80 09 02 1000 | | | .3 | 1 | 1.1 | 0.280 | 0.090 | 0.305 | 0.50 | 0.051 | 0.21 | 0.566 | 0.195 | 0.761 |
| 80 10 14 0955 | | | .3 | 1 | 0.9 | 0.103 | 0.039 | 0.040 | 0.580 | 0.016 | 0.810 | 0.866 | 0.540 | 1.406 |
| 80 11 10 1010 | | | .3 | 1 | 0.8 | 0.056 | 0.029 | 0.025 | 0.680 | 0.023 | 3.400 | 3.448 | 0.655 | 4.103 |
| 80 12 01 1015 | | | .3 | 1 | 0.1 | 0.093 | 0.048 | 0.040 | 0.530 | 0.015 | 2.230 | 2.285 | 0.490 | 2.775 |
| MAXIMUM | | | | | **2.0** | **1.920** | **0.240** | **0.305** | **0.87** | **0.051** | **4.640** | **4.852** | **0.745** | **5.312** |
| ARITH MEAN | | | | | **1.0** | **0.267** | **0.064** | **0.130** | **0.64** | **0.021** | **1.73 L** | **1.882** | **0.515** | **2.398** |
| GEOM MEAN | | | | | **0.8** | **0.129** | **0.050** | **0.097** | **0.63** | **0.018** | **0.78 L** | **1.228** | **0.488** | **1.970** |
| MINIMUM | | | | | **0.1** | **0.046** | **0.017** | **0.025** | **0.50** | **0.010** | **0.01 <** | **0.145** | **0.195** | **0.761** |
| STD DEV | | | | | **0.5** | **0.525** | **0.060** | **0.086** | **0.10** | **0.012** | **1.53 L** | **1.519** | **0.164** | **1.508** |
| NO OF SAMPLES | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 07 0955 | | | .3 | 1 | 424.0 | 8.5 | 415.5 | 670.0 | 3.90 | 23.500 | 7.91 |
| 80 02 04 1010 | | | .3 | 1 | 400.0 | 15.5 | 384.5 | 630.0 | 2.50 | 23.000 | 7.89 |
| 80 03 03 1015 | | | .3 | 1 | 374.0 | 5.0 | 369.0 | 630.0 | 1.90 | 23.000 | 7.94 |
| 80 04 08 0955 | | | .3 | 1 | 280.0 | 2.5 | 277.5 | 496.0 | 2.50 | 15.000 | 8.08 |
| 80 05 05 0945 | | | .3 | 1 | 330.0 | 7.0 | 323.0 | 545.0 | 0.80 | 20.000 | 8.33 |
| 80 06 02 1000 | | | .3 | 1 | 318.0 | 8.5 | 309.0 | 510.0 | 1.80 | 36.500 | 7.91 |
| 80 07 01 1010 | | | .3 | 1 | 316.0 | 4.5 | 311.0 | 510.0 | 1.20 | 27.000 | 8.14 |
| 80 08 05 0945 | | | .3 | 1 | 368.2 | 6.0 | 362.2 | 620 | 2.4 | 61.0 | 7.85 |
| 80 09 02 1000 | | | .3 | 1 | 259.4 | 5.6 | 253.8 | 438 | 3.6 | 11.5 | 7.97 |
| 80 10 14 0955 | | | .3 | 1 | 380.6 | 2.2 | 378.4 | 630.0 | 1.50 | 39.000 | 8.17 |
| 80 11 10 1010 | | | .3 | 1 | 444.7 | 4.4 | 440.3 | 700.0 | 2.50 | 32.500 | 8.15 |
| 80 12 01 1015 | | | .3 | 1 | 433.1 | 2.9 | 430.2 | 720.0 | 1.60 | 50.000 | 8.15 |
| MAXIMUM | | | | | **444.7** | **15.5** | **440.3** | **720.0** | **3.90** | **61.0** | **8.33** |
| ARITH MEAN | | | | | **360.7** | **6.0** | **354.5** | **591** | **2.1** | **30.1** | **8.04** |
| GEOM MEAN | | | | | **355.9** | **5.2** | **349.7** | **585** | **2.0** | **27.1** | **8.04** |
| MINIMUM | | | | | **259.4** | **2.2** | **253.8** | **438** | **0.80** | **11.5** | **7.85** |
| STD DEV | | | | | **60.3** | **3.6** | **60.0** | **89** | **0.9** | **14.4** | **0.15** |
| NO OF SAMPLES | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W / SITE **MIDDLE MAITLAND RIVER**
SAMPLE POINT **HALF MILE NORTH EAST OF LISTOWEL**
STATION TYPE **RIVER FLOW GAUGE FED 02FE003**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **MAITLAND RIVER**

STATION ID **08-0056-014-02**
STORET CODE **02**
**002**
**0530**

LAT LONG U T M **17 0505110.0 4842425.0 4** REGION **01** DISTANCE **159.803**

| TEST-NAME | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG MF CNT /100ML | WATER TEMP DEG C | DISOLVED OXYGEN MG/L AS O |
| 80 01 07 0940 | | | 3 | 1 | 32003 | 4 | 0 308 | | | | | | 0 0 | 11 5 |
| 80 02 04 0945 | | | 3 | 1 | 32018 | 4 | 0 115 | 340 | 250 | 112 | 40 | 4< | 0 0 | 12 0 |
| 80 03 03 1000 | | | 3 | 1 | 32033 | 4 | 0 139 | | | | | | 0 0 | 11 0 |
| 80 04 08 0935 | | | 3 | 1 | 32048 | 8 | 2 030 | | | | | | 7 0 | 10 5 |
| 80 05 05 0925 | | | 3 | 1 | 32063 | 8 | 0 448 | 370C | 5600 | 10< | 10< | 4< | 14 0 | 8 5 |
| 80 06 02 0945 | | | 3 | 1 | 32078 | 8 | 0 243 | 22000> | 21000 | 600> | 600> | 4 | 14 0 | 7 0 |
| 80 07 01 0955 | | | 3 | 1 | 32093 | 8 | 0 150 | 230C | 3800 | 128 | 72 | 4< | 17 0 | 7 0 |
| 80 08 05 0930 | | | 3 | 1 | 32108 | 8 | 0 054 | 900I | 27000 | 156 | 20 | 44 | 20 5 | 3 0 |
| 80 09 02 0945 | | | 3 | 1 | 32123 | 8 9 | 0 028 | 1700 | 15200 | 236 | 192 | 4< | 20 0 | 4 0 |
| 80 10 14 0945 | | | 3 | 1 | 32138 | 8 | 0 081 | 5600 | 6400 | 60 | 600> | 4< | 6 0 | 9 0 |
| 80 11 10 0955 | | | 3 | 1 | 32153 | 8 | 0 616 | 1100 | 4600 | 330 | 1500> | 4< | 2 5 | 10 5 |
| 80 12 01 1000 | | | 3 | 1 | 32168 | 8 | 0 177 | 330 | 1860 | 180 | 210 | 4< | 2 0 | 11 0 |
| MAXIMUM | | | | | | | 2.030 | 22000> | 27000 | 600> | 1500> | 44 | 20.5 | 12.0 |
| ARITH MEAN | | | | | | | 0.368 | 3619G | 9523 | 201B | 360B | 8L | 8.6 | 8.7 |
| GEOM MEAN | | | | | | | 0.190 | 1079G | 5141 | 131B | 132B | 5L | 5.1 | 8.1 |
| MINIMUM | | | | | | | 0.028 | 230 | 250 | 10< | 10< | 4< | 0.0 | 3.0 |
| STD DEV | | | | | | | 0.552 | 7096G | 9329 | 176B | 486B | 13L | 8.0 | 3.0 |
| NO OF SAMPLES | | | | | | | 12 | 9 | 9 | 9 | 9 | 9 | 12 | 12 |

| TEST-NAME: | | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 01 07 0940 | | | 3 | 1 | 1 0 | 0 055 | 0 024 | 0 050 | 0 560 | 0 013 | 5 500 | 5 563 | 0.510 | 6 073 |
| 80 02 04 0945 | | | 3 | 1 | 0 9 | 0 078 | 0 039 | 0 140 | 0 600 | 0.012 | 2 900 | 3.052 | 0.460 | 3 512 |
| 80 03 03 1000 | | | 3 | 1 | 1 3 | 0 061 | 0.044 | 0 240 | 0 630 | 0.015 | 2 400 | 2 655 | 0 390 | 3 045 |
| 80 04 08 0935 | | | 3 | 1 | 0 1 | 0 036 | 0 022 | 0 045 | 0 550 | 0 015 | 3 930 | 3 990 | 0.505 | 4 495 |
| 80 05 05 0925 | | | 3 | 1 | 0 9 | 0 028 | 0.009 | 0 035 | 0 700 | 0 029 | 1 480 | 1 544 | 0.665 | 2 209 |
| 80 06 02 0945 | | | 3 | 1 | 1 1 | 0 038 | 0.007 | 0 175 | 1 050 | 0.062 | 1 840 | 2 077 | 0 875 | 2 952 |
| 80 07 01 0955 | | | 3 | 1 | 1.7 | 0.038 | 0 001 | 0 170 | 1 200 | 0 290 | 2 700 | 3 160 | 1.030 | 4 190 |
| 80 08 05 0930 | | | 3 | 1 | 1.1 | 0 067 | 0 009 | 0 095 | 1 10 | 0 004 | 0 01 < | 0 109 | 1.005 | 1.114 |
| 80 09 02 0945 | | | 3 | 1 | 1.5 | 0 057 | 0.007 | 0 060 | 0 89 | 0.003 | 0 01 < | 0 073 | 0 830 | 0 903 |
| 80 10 14 0945 | | | 3 | 1 | 0 9 | 0 024 | 0.010 | 0 025 | 0 670 | 0 019 | 1 220 | 1 264 | 0.645 | 1.909 |
| 80 11 10 0955 | | | 3 | 1 | 0 9 | 0 054 | 0 027 | 0 010 | 0 720 | 0.020 | 4 200 | 4 230 | 0 710 | 4.940 |
| 80 12 01 1000 | | | 3 | 1 | 0 1 | 0 036 | 0 016 | 0 030 | 0 530 | 0 014 | 2.640 | 2 684 | 0 500 | 3.184 |
| MAXIMUM | | | | | 1.7 | 0.078 | 0.044 | 0.240 | 1.200 | 0.290 | 5.500 | 5.563 | 1.030 | 6.073 |
| ARITH MEAN | | | | | 1.0 | 0.048 | 0.018 | 0.090 | 0.76 | 0.041 | 2.40 L | 2.533 | 0.677 | 3.210 |
| GEOM MEAN | | | | | 0.7 | 0.045 | 0.013 | 0.062 | 0.73 | 0.018 | 1.03 L | 1.560 | 0.646 | 2.809 |
| MINIMUM | | | | | 0.1 | 0.024 | 0.001 | 0.010 | 0.530 | 0.003 | 0.01 < | 0.073 | 0.390 | 0.903 |
| STD DEV | | | | | 0.5 | 0.017 | 0.014 | 0.074 | 0.23 | 0.080 | 1.63 L | 1.641 | 0.216 | 1.549 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 07 0940 | | | 3 | 1 | 424.0 | 8.0 | 416 0 | 670 0 | 4 60 | 18 500 | 7 83 |
| 80 02 04 0945 | | | 3 | 1 | 448 0 | 35.0 | 413 0 | 640 0 | 4 60 | 19 000 | 7 80 |
| 80 03 03 1000 | | | 3 | 1 | 426 0 | 8 5 | 417 5 | 675 0 | 2 90 | 23 500 | 7 83 |
| 80 04 08 0935 | | | 3 | 1 | 282 0 | 2 5 | 279 5 | 485 0 | 2 00 | 12.500 | 8 14 |
| 80 05 05 0925 | | | 3 | 1 | 348 0 | 6 0 | 342 0 | 545 0 | 0 90 | 16 000 | 8 11 |
| 80 06 02 0945 | | | 3 | 1 | 310 0 | 8 0 | 302 0 | 530 0 | 2 50 | 32 500 | 7 83 |
| 80 07 01 0955 | | | 3 | 1 | 346 0 | 5 0 | 341.0 | 520.0 | 0 95 | 17 500 | 7 89 |
| 80 08 05 0930 | | | 3 | 1 | 326 6 | 3 6 | 323 0 | 510 | 1 7 | 25.0 | 7 66 |
| 80 09 02 0945 | | | 3 | 1 | 405 8 | 3.7 | 402 1 | 700 | 1 5 | 85 5 | 7 62 |
| 80 10 14 0945 | | | 3 | 1 | 402 0 | 1 1 | 400 9 | 685 0 | 0 70 | 40 500 | 8 07 |
| 80 11 10 0955 | | | 3 | 1 | 448 8 | 3 2 | 445 6 | 700 0 | 1 60 | 29 000 | 8 10 |
| 80 12 01 1000 | | | 3 | 1 | 430 9 | 3 8 | 427 1 | 695 0 | 1 10 | 32 000 | 8 12 |
| MAXIMUM | | | | | 448.8 | 35.0 | 445.6 | 700 | 4.60 | 85.5 | 8.14 |
| ARITH MEAN | | | | | 383.2 | 7.4 | 375.8 | 612 | 2.0 | 29.2 | 7.92 |
| GEOM MEAN | | | | | 379.0 | 5.0 | 371.9 | 607 | 1.7 | 25.4 | 7.91 |
| MINIMUM | | | | | 282.0 | 1.1 | 279.5 | 485.0 | 0.70 | 12.500 | 7.62 |
| STD DEV | | | | | 57.7 | 9.0 | 55.1 | 86 | 1.3 | 19.4 | 0.18 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

B.O.W./SITE: **SOUTH MAITLAND RIVER**
SAMPLE POINT: **HIGHWAY 4, LONDESBOROUGH**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **MAITLAND RIVER**

STATION ID: **08-0056-015-02**
STORET CODE: **02**
**002**
**0530**

LAT LONG U.T.M: **17 0461000.0 4837710.0 4** REGION: **01** DISTANCE: **43.451**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 07 1330 | | | .3 | 1 | 32010 | 4 | | | | | | 0.0 | 13.5 | 0.3 |
| 80 02 04 1335 | | | .3 | 1 | 32025 | 4 | 800 | 2100 | 220 | 36 | 4< | 0.0 | 13.5 | 0.5 |
| 80 03 03 1340 | | | .3 | 1 | 32040 | 4 | | | | | | 0.0 | 12.0 | 1.1 |
| 80 04 08 1320 | | | .3 | 1 | 32055 | 8 | | | | | | 9.5 | 12.0 | 0.5 |
| 80 05 05 1200 | | | .3 | 1 | 32070 | 8 | 1600 | 10000 | 120 | 30I | 4< | 15.0 | 13.0 | 0.8 |
| 80 06 02 1330 | | | .3 | 1 | 32085 | 8 5 | 5500C | 31000 | 600> | 344 | 8 | 15.0 | 11.0 | 0.5 |
| 80 07 01 1335 | | | .3 | 1 | 32100 | 8 5 | 620C | 2500 | 52 | 28 | 4< | 20.0 | 14.0 | 1.1 |
| 80 08 05 1350 | | | .3 | 1 | 32115 | 8 | 500C | 34000 | 64 | 12 | 4< | 24.0 | 6.0 | 1.1 |
| 80 09 02 1330 | | | .3 | 1 | 32130 | 8 | 1000 | 13000 | 132 | 124 | 8 | 21.0 | 5.0 | 0.07 |
| 80 10 14 1350 | | | .3 | 1 | 32145 | 8 | 1300 | 1800 | 376 | 600> | 4< | 7.5 | 10.5 | 0.6 |
| 80 11 10 1330 | | | .3 | 1 | 32160 | 8 | 70I | 380 | 32 | 100 | 4 | 4.0 | 12.5 | 0.6 |
| 80 12 01 1330 | | | .3 | 1 | 32175 | 8 | 10I | 50 | 10< | 10< | 4< | 4.5 | 14.0 | 0.1 |
| **MAXIMUM** | | | | | | | **5500** | **34000** | **600>** | **600>** | **8** | **24.0** | **14.0** | **1.1** |
| **ARITH MEAN** | | | | | | | **1267** | **10537** | **178B** | **143B** | **5L** | **10.0** | **11.4** | **0.6** |
| **GEOM MEAN** | | | | | | | **501** | **3075** | **98B** | **59B** | **5L** | **6.1** | **10.9** | **0.4** |
| **MINIMUM** | | | | | | | **10** | **50** | **10<** | **10<** | **4<** | **0.0** | **5.0** | **0.07** |
| **STD DEV** | | | | | | | **1671** | **13233** | **196B** | **201B** | **2L** | **8.7** | **3.0** | **0.3** |
| **NO OF SAMPLES** | | | | | | | **9** | **9** | **9** | **9** | **9** | **12** | **12** | **12** |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 07 1330 | | | .3 | 1 | 0.021 | 0.013 | 0.025 | 0.300 | 0.013 | 9.240 | 9.278 | 0.275 | 9.553 | 380.0 |
| 80 02 04 1335 | | | .3 | 1 | 0.014 | 0.011 | 0.030 | 0.400 | 0.011 | 4.800 | 4.841 | 0.370 | 5.211 | 366.0 |
| 80 03 03 1340 | | | .3 | 1 | 0.022 | 0.011 | 0.025 | 0.460 | 0.013 | 5.000 | 5.038 | 0.435 | 5.473 | 368.0 |
| 80 04 08 1320 | | | .3 | 1 | 0.029 | 0.016 | 0.020 | 0.570 | 0.011 | 3.840 | 3.871 | 0.550 | 4.421 | 258.0 |
| 80 05 05 1200 | | | .3 | 1 | 0.023 | 0.004 | 0.025 | 0.780 | 0.027 | 3.430 | 3.482 | 0.755 | 4.237 | 314.0 |
| 80 06 02 1330 | | | .3 | 1 | 0.021 | 0.006 | 0.020 | 0.730 | 0.038 | 2.360 | 2.418 | 0.710 | 3.128 | 334.0 |
| 80 07 01 1335 | | | .3 | 1 | 0.022 | 0.005 | 0.045 | 0.640 | 0.056 | 1.530 | 1.631 | 0.595 | 2.226 | 544.0 |
| 80 08 05 1350 | | | .3 | 1 | 0.039 | 0.015 | 0.050 | 0.62 | 0.035 | 1.10 | 1.185 | 0.570 | 1.755 | 354.0 |
| 80 09 02 1330 | | | .3 | 1 | 0.071 | 0.046 | 0.125 | 0.65 | 0.072 | 1.09 | 1.287 | 0.525 | 1.812 | 312.4 |
| 80 10 14 1350 | | | .3 | 1 | 0.027 | 0.011 | 0.015 | 0.830 | 0.021 | 9.000 | 9.036 | 0.815 | 9.851 | 471.4 |
| 80 11 10 1330 | | | .3 | 1 | 0.013 | 0.002 | 0.005 | 0.610 | 0.031 | 9.300 | 9.336 | 0.605 | 9.941 | 439.1 |
| 80 12 01 1330 | | | .3 | 1 | 0.010 | 0.001 | 0.015 | 0.510 | 0.018 | 7.080 | 7.113 | 0.495 | 7.608 | 349.3 |
| **MAXIMUM** | | | | | **0.071** | **0.046** | **0.125** | **0.830** | **0.072** | **9.300** | **9.336** | **0.815** | **9.941** | **544.0** |
| **ARITH MEAN** | | | | | **0.028** | **0.012** | **0.033** | **0.59** | **0.029** | **4.81** | **4.876** | **0.558** | **5.435** | **374.2** |
| **GEOM MEAN** | | | | | **0.023** | **0.008** | **0.026** | **0.57** | **0.024** | **3.74** | **3.862** | **0.536** | **4.678** | **367.3** |
| **MINIMUM** | | | | | **0.010** | **0.001** | **0.005** | **0.300** | **0.011** | **1.09** | **1.185** | **0.275** | **1.755** | **258.0** |
| **STD DEV** | | | | | **0.016** | **0.012** | **0.031** | **0.15** | **0.019** | **3.15** | **3.128** | **0.156** | **3.106** | **77.6** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 07 1330 | | | .3 | 1 | 5.5 | 374.5 | 640.0 | 2.30 | 16.500 | 8.04 |
| 80 02 04 1335 | | | .3 | 1 | 12.0 | 354.0 | 570.0 | 1.50 | 11.500 | 7.90 |
| 80 03 03 1340 | | | .3 | 1 | 2.5 | 365.5 | 618.0 | 1.50 | 13.500 | 7.82 |
| 80 04 08 1320 | | | .3 | 1 | 6.0 | 252.0 | 450.0 | 2.10 | 10.000 | 8.16 |
| 80 05 05 1200 | | | .3 | 1 | 2.5 | 311.5 | 515.0 | 1.00 | 11.000 | 8.49 |
| 80 06 02 1330 | | | .3 | 1 | 4.5 | 329.0 | 510.0 | 1.30 | 8.000 | 8.34 |
| 80 07 01 1335 | | | .3 | 1 | 0.7 | 543.0 | 483.0 | 0.60 | 8.500 | 8.64 |
| 80 08 05 1350 | | | .3 | 1 | 2.6 | 351.4 | 520 | 1.2 | 11.0 | 8.28 |
| 80 09 02 1330 | | | .3 | 1 | 4.1 | 308.3 | 484 | 1.0 | 9.5 | 8.06 |
| 80 10 14 1350 | | | .3 | 1 | 2.5 | 468.9 | 685.0 | 1.40 | 18.500 | 8.22 |
| 80 11 10 1330 | | | .3 | 1 | 1.7 | 437.4 | 660.0 | 2.10 | 17.500 | 8.21 |
| 80 12 01 1330 | | | .3 | 1 | 1.7 | 347.6 | 610.0 | 0.75 | 19.000 | 8.36 |
| **MAXIMUM** | | | | | **12.0** | **543.0** | **685.0** | **2.30** | **19.000** | **8.64** |
| **ARITH MEAN** | | | | | **3.9** | **370.3** | **582** | **1.4** | **12.8** | **8.21** |
| **GEOM MEAN** | | | | | **3.0** | **363.1** | **557** | **1.3** | **12.3** | **8.21** |
| **MINIMUM** | | | | | **0.7** | **252.0** | **450.0** | **0.60** | **8.000** | **7.82** |
| **STD DEV** | | | | | **3.0** | **78.8** | **78** | **0.5** | **3.9** | **0.24** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **12** | **12** |

B O W / SITE **MAITLAND RIVER**
SAMPLE POINT **AT HIGHWAY 21 GODERICH**
STATION TYPE **RIVER COMPOSITE**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **MAITLAND RIVER**

STATION ID: **08-0056-023-03**
STORET CODE **02**
**002**
**0530**

LAT LONG U T M **17 0442600.0 4844450.0 4** REGION **01** DISTANCE **2.736**

| TEST-NAME | | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | PPUT | PPO4FR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 04 08 1000 | | | 3 | 1 | 30331 | 3 | | | 9.0 | 12.7 | 0.033 | 0.019 | 0.570 | 0.014 |
| 80 04 22 0950 | | | 3 | 1 | 30347 | 6 | | | 11.0 | 13.0 | 0.024 | 0.002 | 0.640 | 0.010 |
| 80 05 06 1030 | | | 3 | 1 | 30348 | 3 | 10< | 10< | 14.8 | 12.5 | 0.019 | 0.001 | 0.700 | 0.017 |
| 80 06 02 1040 | | | 3 | 1 | 30364 | 6 | | | 15.2 | 7.9 | 0.012 | 0.002 | 0.530 | 0.007 |
| 80 07 08 1030 | | | 3 | 1 | 30380 | 6 | | | 19.8 | 8.6 | 0.029 | 0.002 | 0.790 | 0.004 |
| 80 08 05 1110 | | | 3 | 1 | 30396 | 6 | 4< | 4 | 23.9 | 9.2 | 0.017 | 0.002 | 0.60 | 0.005 |
| 80 09 03 1100 | | | 3 | 1 | 30412 | 6 | 20 | 36 | 22.5 | 8.0 | 0.019 | 0.002 | 0.390 | 0.003 |
| 80 10 07 1020 | | | 3 | 1 | 30427 | 6 | 56 | 48 | 10.5 | 12.4 | 0.010 | 0.001 | 0.600 | 0.005 |
| 80 11 03 1036 | | | 3 | 1 | 30443 | 6 | 4< | 4 | 6.0 | 14.2 | 0.008 | 0.001 | 0.520 | 0.009 |
| 80 12 01 1100 | | | 3 | 1 | 30459 | 6 | 4< | 4< | 3.9 | 15.6 | 0.008 | 0.001< | 0.61 | 0.004 |
| MAXIMUM | | | | | | | 56 | 48 | 23.9 | 15.6 | 0.033 | 0.019 | 0.790 | 0.017 |
| ARITH MEAN | | | | | | | 18L | 18L | 13.7 | 11.4 | 0.018 | 0.003L | 0.59 | 0.008 |
| GEOM MEAN | | | | | | | 9L | 10L | 11.9 | 11.1 | 0.016 | 0.002L | 0.58 | 0.007 |
| MINIMUM | | | | | | | 4< | 4< | 3.9 | 7.9 | 0.008 | 0.001< | 0.390 | 0.003 |
| STD DEV | | | | | | | 20L | 19L | 6.8 | 2.8 | 0.009 | 0.006L | 0.10 | 0.005 |
| NO OF SAMPLES | | | | | | | 6 | 6 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | NNO3FR | NNKI | RSP | RSF | ALKT | PH | FWPH | ASUT | HGUT | CRUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR |
| 80 04 08 1000 | | | 3 | 1 | 3.990 | 4.574 | 8.00 | 282.00 | 198.0 | 8.33 | 7.6 | | | |
| 80 04 22 0950 | | | 3 | 1 | 3.200 | 3.850 | 3.50 | 284.00 | 215.0 | 8.49 | | | 0.020< | 0.020< |
| 80 05 06 1030 | | | 3 | 1 | 2.330 | 3.047 | 2.50 | 312.00 | 214.0 | 8.52 | 8.3 | 0.001< | 0.020 | 0.020< |
| 80 06 02 1040 | | | 3 | 1 | 1.460 | 1.997 | 1.00 | 370.00 | 184.0 | 8.04 | | 0.001< | 0.040 | 0.020< |
| 80 07 08 1030 | | | 3 | 1 | 0.200 | 0.994 | 12.10 | 331.00 | 172.0 | 8.35 | 8.4 | | | 0.010< |
| 80 08 05 1110 | | | 3 | 1 | 0.31 | 0.915 | 7.0 | 389.0 | 169 | 8.39 | 8.5 | 0.001< | 0.29 | 0.002< |
| 80 09 03 1100 | | | 3 | 1 | 0.330 | 0.723 | 6.00 | 423.80 | 158.0 | 8.46 | | 0.001 | 0.030< | 0.002< |
| 80 10 07 1020 | | | 3 | 1 | 2.390 | 2.995 | 4.40 | 496.10 | 233.0 | 8.40 | 8.3 | 0.001< | | 0.002< |
| 80 11 03 1036 | | | 3 | 1 | 5.040 | 5.569 | 2.60 | 510.40 | 261.0 | 8.35 | 8.0 | 0.001< | 0.36 | 0.002< |
| 80 12 01 1100 | | | 3 | 1 | 3.75 | 4.364 | 2.8 | 376.0 | 258 | 8.35 | 8.3 | 0.001< | 0.040< | 0.002< |
| MAXIMUM | | | | | 5.040 | 5.569 | 12.10 | 510.40 | 261.0 | 8.52 | 8.5 | 0.001 | 0.36 | 0.020 |
| ARITH MEAN | | | | | 2.30 | 2.903 | 4.9 | 377.4 | 206 | 8.37 | 8.2 | 0.001L | 0.11 L | 0.009L |
| GEOM MEAN | | | | | 1.44 | 2.360 | 4.0 | 369.9 | 203 | 8.37 | 8.2 | 0.001L | 0.05 L | 0.005L |
| MINIMUM | | | | | 0.200 | 0.723 | 1.00 | 282.00 | 158.0 | 8.04 | 7.6 | 0.001< | 0.020< | 0.002< |
| STD DEV | | | | | 1.70 | 1.704 | 3.3 | 80.5 | 36 | 0.13 | 0.3 | 0.000L | 0.14 L | 0.009L |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 7 | 7 | 7 | 9 |

| TEST-NAME: | | | | | CUUT | PBUT | CDUT | ZNUT | P1PCBT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | PCB TOTAL UG/L |
| 80 04 08 1000 | | | 3 | 1 | 0.010< | | 0.005 < | | 0.020R |
| 80 04 22 0950 | | | 3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 05 06 1030 | | | 3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 06 02 1040 | | | 3 | 1 | 0.010< | 0.030< | 0.005 < | 0.020 | |
| 80 07 08 1030 | | | 3 | 1 | 0.010< | 0.010< | 0.001 < | 0.010< | 0.020R |
| 80 08 05 1110 | | | 3 | 1 | 0.001< | 0.002 | 0.0001< | 0.003< | 0.020R |
| 80 09 03 1100 | | | 3 | 1 | 0.003 | 0.003< | 0.0002< | 0.006 | 0.020 |
| 80 10 07 1020 | | | 3 | 1 | 0.001< | 0.003< | 0.0007 | 0.007 | 0.020R |
| 80 11 03 1036 | | | 3 | 1 | 0.007 | 0.003< | 0.0002< | 0.036 | 0.020R |
| 80 12 01 1100 | | | 3 | 1 | 0.002 | 0.003< | 0.0003 | 0.010 | 0.030 |
| MAXIMUM | | | | | 0.010 | 0.030 | 0.005 | 0.036 | |
| ARITH MEAN | | | | | 0.006L | 0.013L | 0.002 L | 0.012L | |
| GEOM MEAN | | | | | 0.005L | 0.007L | 0.000 L | 0.010L | |
| MINIMUM | | | | | 0.001< | 0.002< | 0.0001< | 0.003< | |
| STD DEV | | | | | 0.004L | 0.013L | 0.002 L | 0.010L | |
| NO OF SAMPLES | | | | | 10 | 9 | 10 | 9 | |

B O W / SITE **MIDDLE MAITLAND RIVER**
SAMPLE POINT **0.7 MILES OF ETHEL**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **MAITLAND RIVER**

STATION ID: **08-0056-026-02**
STORET CODE **02**
**002**
**0530**

LAT LONG U T M **17 0489775.0 4840350.0 4** REGION **01** DISTANCE **127.135**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 07 1140 | | | 3 | 1 | 32007 | 4 | | | | | | 0.0 | 13.0 | 0.7 |
| 80 02 04 1150 | | | 3 | 1 | 32022 | 4 | 4200 | 2100 | 450 | 1010 | 4< | 0.0 | 8.0 | 1.4 |
| 80 03 03 1130 | | | 3 | 1 | 32037 | 4 | | | | | | 0.0 | 5.0 | 1.9 |
| 80 04 08 1120 | | | 3 | 1 | 32052 | 8 | | | | | | 9.0 | 9.5 | 0.4 |
| 80 05 05 1055 | | | 3 | 1 | 32067 | 8 | 1200C | 2400 | 300 | 10< | 4< | 15.0 | 8.0 | 0.8 |
| 80 06 02 1125 | | | 3 | 1 | 32082 | 8 | 1200 | 17000 | 568 | 120 | 4< | 15.0 | 6.0 | 0.7 |
| 80 07 01 1135 | | | 3 | 1 | 32097 | 8 | 160C | 6200 | 40I | 20 | 4< | 18.5 | 5.0 | 0.9 |
| 80 08 05 1130 | | | 3 | 1 | 32112 | 8 | 70C | 24000> | 32 | 4< | 4< | 24.0 | 6.5 | 1.2 |
| 80 09 02 1120 | | | 3 | 1 | 32127 | 8 | 1100 | 13000 | 100 | 12 | 4< | 21.0 | 4.0 | 0.4 |
| 80 10 14 1130 | | | 3 | 1 | 32142 | 8 | 490C | 3000 | 128 | 368 | 4< | 6.0 | 10.0 | 1.2 |
| 80 11 10 1135 | | | 3 | 1 | 32157 | 8 | 2300 | 6300 | 440 | 600> | 4< | 3.0 | 9.5 | 1.2 |
| 80 12 01 1150 | | | 3 | 1 | 32172 | 8 | 140 | 640 | 150 | 190 | 4< | 2.0 | 11.5 | 2.2 |
| MAXIMUM | | | | | | | 4200 | 24000> | 568 | 1010> | 4 | 24.0 | 13.0 | 2.2 |
| ARITH MEAN | | | | | | | 1207 | 8293G | 245 | 259B | 4L | 9.5 | 8.0 | 1.1 |
| GEOM MEAN | | | | | | | 610 | 5016G | 163 | 71B | 4L | 5.4 | 7.5 | 1.0 |
| MINIMUM | | | | | | | 70 | 640 | 32 | 4< | 4< | 0.0 | 4.0 | 0.4 |
| STD DEV | | | | | | | 1333 | 8005G | 200 | 347B | 0L | 3.9 | 2.8 | 0.6 |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 9 | 12 | 12 | 12 |

(CONTD)

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 07 1140 | | | .3 | 1 | 0.096 | 0.053 | 0.380 | 0.930 | 0.034 | 6.070 | 6.484 | 0.550 | 7.034 | 508.0 |
| 80 02 04 1150 | | | .3 | 1 | 0.113 | 0.069 | 0.755 | 1.470 | 0.036 | 3.700 | 4.491 | 0.715 | 5.206 | 488.0 |
| 80 03 03 1130 | | | .3 | 1 | 0.164 | 0.082 | 0.730 | 1.480 | 0.049 | 2.600 | 3.379 | 0.750 | 4.129 | 498.0 |
| 80 04 08 1120 | | | .3 | 1 | 0.073 | 0.043 | 0.195 | 0.920 | 0.026 | 4.920 | 5.141 | 0.725 | 5.866 | 350.0 |
| 80 05 05 1055 | | | .3 | 1 | 0.040 | 0.019 | 0.035 | 0.850 | 0.033 | 3.070 | 3.138 | 0.815 | 3.953 | 382.0 |
| 80 06 02 1125 | | | .3 | 1 | 0.045 | 0.020 | 0.045 | 0.810 | 0.026 | 0.850 | 0.921 | 0.765 | 1.686 | 352.0 |
| 80 07 01 1135 | | | .3 | 1 | 0.062 | 0.032 | 0.055 | 0.960 | 0.027 | 0.320 | 0.402 | 0.905 | 1.307 | 374.0 |
| 80 08 05 1130 | | | .3 | 1 | 0.107 | 0.067 | 0.080 | 0.87 | 0.012 | 0.07 | 0.162 | 0.790 | 0.952 | 320.9 |
| 80 09 02 1120 | | | .3 | 1 | 0.118 | 0.095 | 0.085 | 0.88 | 0.019 | 0.39 | 0.494 | 0.795 | 1.289 | 359.8 |
| 80 10 14 1130 | | | .3 | 1 | 0.078 | 0.034 | 0.005 | 0.960 | 0.011 | 1.410 | 1.426 | 0.955 | 2.381 | 458.2 |
| 80 11 10 1135 | | | .3 | 1 | 0.086 | 0.051 | 0.065 | 0.900 | 0.063 | 6.300 | 6.428 | 0.835 | 7.263 | 542.4 |
| 80 12 01 1150 | | | .3 | 1 | 0.224 | 0.105 | 0.505 | 2.360 | 0.021 | 3.330 | 3.856 | 1.855 | 5.711 | 564.0 |
| MAXIMUM | | | | | 0.224 | 0.105 | 0.755 | 2.360 | 0.063 | 6.300 | 6.484 | 1.855 | 7.263 | 564.0 |
| ARITH MEAN | | | | | 0.100 | 0.056 | 0.245 | 1.11 | 0.030 | 2.75 | 3.027 | 0.871 | 3.898 | 433.1 |
| GEOM MEAN | | | | | 0.090 | 0.049 | 0.112 | 1.05 | 0.026 | 1.55 | 1.865 | 0.833 | 3.145 | 426.4 |
| MINIMUM | | | | | 0.040 | 0.019 | 0.005 | 0.810 | 0.011 | 0.07 | 0.162 | 0.550 | 0.952 | 320.9 |
| STD DEV | | | | | 0.062 | 0.028 | 0.277 | 0.46 | 0.015 | 2.21 | 2.325 | 0.326 | 2.325 | 85.3 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 07 1140 | | | .3 | 1 | 16.5 | 491.5 | 770.0 | 7.00 | 22.000 | 7.91 |
| 80 02 04 1150 | | | .3 | 1 | 15.0 | 473.0 | 745.0 | 4.00 | 23.500 | 7.65 |
| 80 03 03 1130 | | | .3 | 1 | 2.5 | 495.5 | 800.0 | 3.80 | 34.000 | 7.55 |
| 80 04 08 1120 | | | .3 | 1 | 6.0 | 344.0 | 570.0 | 3.40 | 14.500 | 7.95 |
| 80 05 05 1055 | | | .3 | 1 | 7.5 | 374.5 | 600.0 | 1.30 | 15.000 | 8.14 |
| 80 06 02 1125 | | | .3 | 1 | 7.0 | 345.0 | 530.0 | 1.70 | 16.500 | 7.91 |
| 80 07 01 1135 | | | .3 | 1 | 1.5 | 372.0 | 540.0 | 1.10 | 26.000 | 7.89 |
| 80 08 05 1130 | | | .3 | 1 | 2.5 | 318.4 | 530 | 1.8 | 34.5 | 8.22 |
| 80 09 02 1120 | | | .3 | 1 | 2.2 | 357.6 | 580 | 1.0 | 45.0 | 7.94 |
| 80 10 14 1130 | | | .3 | 1 | 4.4 | 453.8 | 750.0 | 2.10 | 56.500 | 8.30 |
| 80 11 10 1135 | | | .3 | 1 | 4.9 | 537.5 | 780.0 | 4.50 | 33.000 | 8.11 |
| 80 12 01 1150 | | | .3 | 1 | 11.4 | 552.6 | 885.0 | 6.00 | 65.500 | 8.12 |
| MAXIMUM | | | | | 16.5 | 552.6 | 885.0 | 7.00 | 65.500 | 8.30 |
| ARITH MEAN | | | | | 6.8 | 426.3 | 673 | 3.1 | 32.1 | 7.97 |
| GEOM MEAN | | | | | 5.2 | 418.9 | 662 | 2.5 | 28.6 | 7.97 |
| MINIMUM | | | | | 1.5 | 318.4 | 530.0 | 1.0 | 14.500 | 7.55 |
| STD DEV | | | | | 5.0 | 82.9 | 126 | 1.9 | 16.3 | 0.22 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 |

B.O.W / SITE: **BELGRAVE CREEK**
SAMPLE POINT: **3RD.CONC.W.OF HWY.NO.4 S.OF CO.RD.NO.20**
STATION TYPE: **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **MAITLAND RIVER**

STATION ID: **08-0056-030-02**
STORET CODE: **02**
**002**
**0530**

LAT: LONG: U.T.M. **17 0464200.0 4851700.0 4** REGION: **01** DISTANCE: **58.222**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 07 1300 | | | .3 | 1 | 32009 | 4 | | | | | | 0.0 | 14.0 | 0.2 |
| 80 02 04 1320 | | | .3 | 1 | 32024 | 4 | 24 | 8 | 24 | 16 | 4< | 0.0 | 15.0 | 0.3 |
| 80 03 03 1315 | | | .3 | 1 | 32039 | 4 | | | | | | 0.0 | 15.0 | 1.0 |
| 80 04 08 1300 | | | .3 | 1 | 32054 | 8 | | | | | | 10.5 | 12.0 | 0.3 |
| 80 05 05 1140 | | | .3 | 1 | 32069 | 8 | 70C | 6300 | 50I | 30I | 4< | 9.5 | 9.5 | 0.5 |
| 80 06 02 1300 | | | .3 | 1 | 32084 | 8 | 1100 | 16000 | 570 | 120 | 4< | 15.0 | 9.0 | 0.6 |
| 80 07 01 1315 | | | .3 | 1 | 32099 | 8 | 290C | 2500 | 192 | 128 | 4< | 19.0 | 10.0 | 1.1 |
| 80 08 05 1310 | | | .3 | 1 | 32114 | 8 | 3300 | 24000 | 600> | 128 | 4< | 22.0 | 8.0 | 0.3 |
| 80 09 02 1255 | | | .3 | 1 | 32129 | 8 | 5400 | 5400 | 960 | 336 | 4< | 19.0 | 7.5 | 0.4 |
| 80 10 14 1315 | | | .3 | 1 | 32144 | 8 | 650 | 570 | 360 | 460 | 4< | 6.0 | 11.0 | 1.4 |
| 80 11 10 1310 | | | .3 | 1 | 32159 | 8 | 60I | 490 | 68 | 550 | 4< | 4.0 | 12.5 | 0.6 |
| 80 12 01 1315 | | | .3 | 1 | 32174 | 8 | 30I | 330 | 20I | 90I | 4< | 4.0 | 13.5 | 0.1< |
| MAXIMUM | | | | | | | 5400 | 24000 | 960> | 550 | 4 | 22.0 | 15.0 | 1.4 |
| ARITH MEAN | | | | | | | 1214 | 6178 | 316G | 206 | 4L | 9.1 | 11.4 | 0.6L |
| GEOM MEAN | | | | | | | 282 | 1424 | 149G | 125 | 4L | 5.7 | 11.1 | 0.4L |
| MINIMUM | | | | | | | 24 | 8 | 20 | 16 | 4< | 0.0 | 7.5 | 0.1< |
| STD DEV | | | | | | | 1688 | 8399 | 332G | 194 | 0L | 8.0 | 2.6 | 0.4L |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 9 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 07 1300 | | | .3 | 1 | 0.012 | 0.005 | 0.065 | 0.290 | 0.016 | 6.030 | 6.111 | 0.225 | 6.336 | 358.0 |
| 80 02 04 1320 | | | .3 | 1 | 0.007 | 0.004 | 0.030 | 0.310 | 0.016 | 4.300 | 4.346 | 0.280 | 4.626 | 346.0 |
| 80 03 03 1315 | | | .3 | 1 | 0.009 | 0.003 | 0.010 | 0.330 | 0.012 | 4.000 | 4.022 | 0.320 | 4.342 | 332.0 |
| 80 04 08 1300 | | | .3 | 1 | 0.012 | 0.001 | 0.010 | 0.550 | 0.011 | 3.440 | 3.461 | 0.540 | 4.001 | 266.0 |
| 80 05 05 1140 | | | .3 | 1 | 0.017 | 0.003 | 0.020 | 0.510 | 0.016 | 2.980 | 3.016 | 0.490 | 3.506 | 316.0 |
| 80 06 02 1300 | | | .3 | 1 | 0.019 | 0.003 | 0.015 | 0.630 | 0.014 | 2.090 | 2.119 | 0.615 | 2.734 | 354.0 |
| 80 07 01 1315 | | | .3 | 1 | 0.012 | 0.003 | 0.030 | 0.440 | 0.012 | 1.760 | 1.802 | 0.410 | 2.212 | 346.0 |
| 80 08 05 1310 | | | .3 | 1 | 0.015 | 0.002 | 0.020 | 0.42 | 0.006 | 1.57 | 1.596 | 0.400 | 1.996 | 342.0 |
| 80 09 02 1255 | | | .3 | 1 | 0.043 | 0.015 | 0.040 | 0.55 | 0.015 | 1.59 | 1.645 | 0.510 | 2.155 | 324.1 |
| 80 10 14 1315 | | | .3 | 1 | 0.012 | 0.001 | 0.010 | 0.780 | 0.005 | 4.490 | 4.505 | 0.770 | 5.275 | 383.9 |
| 80 11 10 1310 | | | .3 | 1 | 0.009 | 0.001 | 0.005< | 0.620 | 0.010 | 5.000 | 5.015 | 0.615 | 5.630 | 400.0 |
| 80 12 01 1315 | | | .3 | 1 | 0.008 | 0.002 | 0.005 | 0.450 | 0.012 | 3.840 | 3.857 | 0.445 | 4.302 | 343.2 |
| MAXIMUM | | | | | 0.043 | 0.015 | 0.065 | 0.780 | 0.016 | 6.030 | 6.111 | 0.770 | 6.336 | 400.0 |
| ARITH MEAN | | | | | 0.015 | 0.004 | 0.022L | 0.49 | 0.012 | 3.42 | 3.458 | 0.468 | 3.926 | 342.6 |
| GEOM MEAN | | | | | 0.013 | 0.003 | 0.016L | 0.47 | 0.011 | 3.11 | 3.165 | 0.443 | 3.688 | 341.0 |
| MINIMUM | | | | | 0.007 | 0.001 | 0.005< | 0.290 | 0.005 | 1.57 | 1.596 | 0.225 | 1.996 | 266.0 |
| STD DEV | | | | | 0.010 | 0.004 | 0.017L | 0.14 | 0.004 | 1.45 | 1.456 | 0.156 | 1.438 | 33.6 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

B O W / SITE **BELGRAVE CREEK**
SAMPLE POINT **3RD.CONC.W.OF HWY.NO.4 S.OF CO.RD.NO.20**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **MAITLAND RIVER**

STATION ID **08-0056-030-02**
STORET CODE **02**
**002**
**0530**

LAT LONG U T M **17 0464200.0 4851700.0 4** REGION **01** DISTANCE **59.222**

| TEST-NAME | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC MG/L | RESIDUE FILTERED MG/L | CONDUCT 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF REAC MG/L AS CL | PH |
| 80 01 07 1300 | | | 3 | 1 | 3.5 | 354.5 | 580.0 | 0.95 | 12.000 | 8.11 |
| 80 02 04 1320 | | | 3 | 1 | 12.0 | 334.0 | 550.0 | 1.00 | 10.000 | 8.17 |
| 80 03 03 1315 | | | 3 | 1 | 1.5 | 330.5 | 570.0 | 0.95 | 11.500 | 8.12 |
| 80 04 08 1300 | | | 3 | 1 | 1.5 | 264.5 | 441.0 | 1.00 | 11.000 | 8.34 |
| 80 05 05 1140 | | | 3 | 1 | 4.0 | 312.0 | 510.0 | 0.70 | 9.500 | 8.28 |
| 80 06 02 1300 | | | 3 | 1 | 7.5 | 346.5 | 510.0 | 0.95 | 9.000 | 8.26 |
| 80 07 01 1315 | | | 3 | 1 | 1.7 | 344.0 | 520.0 | 0.70 | 10.500 | 8.37 |
| 80 08 05 1310 | | | 3 | 1 | 2.2 | 339.8 | 530 | 1.0 | 10.5 | 8.46 |
| 80 09 02 1255 | | | 3 | 1 | 8.6 | 315.5 | 496 | 2.3 | 12.0 | 8.22 |
| 80 10 14 1315 | | | 3 | 1 | 2.0 | 381.9 | 620.0 | 0.65 | 17.000 | 8.30 |
| 80 11 10 1310 | | | 3 | 1 | 1.1 | 398.9 | 605.0 | 0.85 | 14.500 | 8.28 |
| 80 12 01 1315 | | | 3 | 1 | 3.3 | 339.9 | 580.0 | 0.65 | 14.500 | 8.36 |
| MAXIMUM | | | | | 12.0 | 398.9 | 620.0 | 2.3 | 17.000 | 8.46 |
| ARITH MEAN | | | | | 4.1 | 338.5 | 542 | 0.9 | 11.8 | 8.27 |
| GEOM MEAN | | | | | 3.1 | 336.9 | 540 | 0.9 | 11.6 | 8.27 |
| MINIMUM | | | | | 1.1 | 264.5 | 441.0 | 0.65 | 9.000 | 8.11 |
| STD DEV | | | | | 3.5 | 33.9 | 51 | 0.4 | 2.3 | 0.10 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 |

B O W / SITE **MIDDLE MAITLAND RIVER**
SAMPLE POINT **AT COUNTY ROAD NO.16 WEST OF BRUSSELS**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **MAITLAND RIVER**

STATION ID **08-0056-031-02**
STORET CODE **02**
**002**
**0530**

LAT LONG U T M **17 0475100.0 4846350.0 4** REGION **01** DISTANCE **104.283**

| TEST-NAME | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 07 1245 | | | .3 | 1 | 32008 | 4 | | | | 30I | | 0.0 | 13.5 | 0.6 |
| 80 02 04 1255 | | | 3 | 1 | 32023 | 4 | 480 | 570 | 210 | 30 | 4< | 0.0 | 12.0 | 0.5 |
| 80 03 03 1255 | | | 3 | 1 | 32038 | 4 | | | | | | 0.0 | 11.5 | 1.0 |
| 80 04 08 1145 | | | 3 | 1 | 32053 | 8 | | | | | | 10.0 | 11.0 | 0.3 |
| 80 05 05 1120 | | | 3 | 1 | 32068 | 8 | 300 | 2400 | 110 | 10< | 4< | 16.0 | 10.5 | 0.6 |
| 80 06 02 1150 | | | 3 | 1 | 32083 | 8 | 1600 | 25000 | 260 | 200 | 4< | 15.0 | 7.5 | 1.4 |
| 80 07 01 1200 | | | 3 | 1 | 32098 | 8 | 50C | 4000 | 10< | 4< | 4< | 15.0 | 8.5 | 0.5 |
| 80 08 05 1300 | | | 3 | 1 | 32113 | 8 | 50C | 3400 | 16 | 4< | 4< | 24.0 | 8.0 | 0.4 |
| 80 09 02 1145 | | | 3 | 1 | 32128 | 8 | 130 | 2800 | 20 | 4< | 4< | 21.0 | 7.0 | 0.5 |
| 80 10 14 1155 | | | 3 | 1 | 32143 | 8 | 340 | 670 | 128 | 132 | 4< | 7.5 | 10.5 | 1.3 |
| 80 11 10 1155 | | | 3 | 1 | 32158 | 8 | 100 | 1020 | 60 | 120 | 4< | 5.0 | 10.5 | 0.9 |
| 80 12 01 1200 | | | .3 | 1 | 32173 | 8 | 20I | 520 | 20I | 10< | 4< | 2.5 | 11.5 | 0.3 |
| MAXIMUM | | | | | | | 1600 | 25000 | 260 | 200 | 4 | 24.0 | 13.5 | 1.4 |
| ARITH MEAN | | | | | | | 341 | 4487 | 93L | 54L | 4L | 9.7 | 10.2 | 0.7 |
| GEOM MEAN | | | | | | | 155 | 1978 | 52L | 21L | 4L | 5.9 | 10.0 | 0.6 |
| MINIMUM | | | | | | | 20 | 520 | 10< | 4< | 4< | 0.0 | 7.0 | 0.3 |
| STD DEV | | | | | | | 498 | 7803 | 92L | 70L | 0L | 8.5 | 2.0 | 0.4 |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 10 | 9 | 12 | 12 | 12 |

| TEST-NAME | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 07 1245 | | | 3 | 1 | 0.053 | 0.023 | 0.140 | 0.570 | 0.022 | 6.530 | 6.692 | 0.430 | 7.122 | 438.0 |
| 80 02 04 1255 | | | 3 | 1 | 0.032 | 0.024 | 0.185 | 0.590 | 0.025 | 4.600 | 4.810 | 0.405 | 5.215 | 414.0 |
| 80 03 03 1255 | | | 3 | 1 | 0.050 | 0.033 | 0.105 | 0.580 | 0.026 | 4.300 | 4.431 | 0.475 | 4.906 | 448.0 |
| 80 04 08 1145 | | | .3 | 1 | 0.050 | 0.031 | 0.080 | 0.740 | 0.024 | 5.030 | 5.134 | 0.660 | 5.794 | 344.0 |
| 80 05 05 1120 | | | .3 | 1 | 0.025 | 0.006 | 0.025 | 0.770 | 0.021 | 3.180 | 3.226 | 0.745 | 3.971 | 344.0 |
| 80 06 02 1150 | | | .3 | 1 | 0.019 | 0.002 | 0.010 | 0.780 | 0.021 | 1.840 | 1.871 | 0.770 | 2.641 | 356.0 |
| 80 07 01 1200 | | | 3 | 1 | 0.030 | 0.005 | 0.060 | 0.840 | 0.013 | 0.940 | 1.013 | 0.780 | 1.793 | 366.0 |
| 80 08 05 1300 | | | 3 | 1 | 0.018 | 0.002 | 0.050 | 0.72 | 0.012 | 0.46 | 0.522 | 0.670 | 1.192 | 294.4 |
| 80 09 02 1145 | | | 3 | 1 | 0.018 | 0.005 | 0.040 | 0.70 | 0.012 | 0.62 | 0.672 | 0.660 | 1.332 | 287.6 |
| 80 10 14 1155 | | | .3 | 1 | 0.072 | 0.003 | 0.005 | 0.750 | 0.005 | 1.960 | 1.970 | 0.745 | 2.715 | 377.1 |
| 80 11 10 1155 | | | .3 | 1 | 0.014 | 0.003 | 0.005 | 0.710 | 0.031 | 5.200 | 5.236 | 0.705 | 5.941 | 455.5 |
| 80 12 01 1200 | | | 3 | 1 | 0.027 | 0.005 | 0.065 | 0.790 | 0.016 | 4.330 | 4.411 | 0.725 | 5.136 | 473.8 |
| MAXIMUM | | | | | 0.072 | 0.033 | 0.185 | 0.840 | 0.031 | 6.530 | 6.692 | 0.780 | 7.122 | 473.8 |
| ARITH MEAN | | | | | 0.034 | 0.012 | 0.064 | 0.71 | 0.019 | 3.24 | 3.332 | 0.647 | 3.980 | 383.2 |
| GEOM MEAN | | | | | 0.030 | 0.007 | 0.039 | 0.70 | 0.017 | 2.44 | 2.538 | 0.633 | 3.426 | 378.4 |
| MINIMUM | | | | | 0.014 | 0.002 | 0.005 | 0.570 | 0.005 | 0.46 | 0.522 | 0.405 | 1.192 | 287.6 |
| STD DEV | | | | | 0.018 | 0.012 | 0.056 | 0.08 | 0.007 | 2.03 | 2.069 | 0.134 | 1.993 | 62.3 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 07 1245 | | | 3 | 1 | 4.0 | 434.0 | 685.0 | 1.80 | 15.500 | 8.03 |
| 80 02 04 1255 | | | 3 | 1 | 12.5 | 401.5 | 650.0 | 1.30 | 14.000 | 7.84 |
| 80 03 03 1255 | | | .3 | 1 | 0.5 | 447.5 | 730.0 | 1.40 | 28.500 | 7.78 |
| 80 04 08 1145 | | | 3 | 1 | 3.5 | 340.5 | 545.0 | 2.40 | 12.500 | 8.08 |
| 80 05 05 1120 | | | .3 | 1 | 7.0 | 337.0 | 550.0 | 0.80 | 12.500 | 8.41 |
| 80 06 02 1150 | | | 3 | 1 | 5.0 | 351.0 | 510.0 | 1.30 | 13.500 | 8.12 |
| 80 07 01 1200 | | | 3 | 1 | 1.8 | 364.0 | 497.0 | 0.95 | 17.500 | 8.22 |
| 80 08 05 1300 | | | 3 | 1 | 1.5 | 292.9 | 470 | 1.4 | 26.5 | 8.35 |
| 80 09 02 1145 | | | 3 | 1 | 2.5 | 285.1 | 471 | 1.2 | 32.0 | 8.39 |
| 80 10 14 1155 | | | .3 | 1 | 1.7 | 375.4 | 620.0 | 0.90 | 34.500 | 8.28 |
| 80 11 10 1155 | | | .3 | 1 | 2.2 | 453.3 | 680.0 | 1.20 | 21.500 | 8.22 |
| 80 12 01 1200 | | | .3 | 1 | 7.8 | 466.0 | 760.0 | 1.00 | 36.500 | 8.23 |

(CONTD)

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST-NAME: | | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| MAXIMUM | | | | | 12.5 | 488.0 | 760.0 | 2.40 | 38.500 | 8.41 |
| ARITH MEAN | | | | | 4.2 | 379.0 | 597 | 1.3 | 22.0 | 8.16 |
| GEOM MEAN | | | | | 3.0 | 374.3 | 589 | 1.2 | 20.4 | 8.16 |
| MINIMUM | | | | | 0.5 | 286.1 | 470 | 0.80 | 12.500 | 7.78 |
| STD DEV | | | | | 3.4 | 81.7 | 103 | 0.4 | 9.0 | 0.20 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 |

B.O.W./SITE: **LUCKNOW RIVER**
SAMPLE POINT: **HIGHWAY 21, PORT ALBERT**
STATION TYPE: **RIVER FLOW GAUGE MOE 02FD103**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **LUCKNOW RIVER**

STATION ID: **08-0076-001-02**
STORET CODE: **02**
**002**
**0738**

LAT: LONG. U T M: **17 0442590.0 4858390.0 4** REGION: **01** DISTANCE: **1.287**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST-NAME: | | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 07 1430 | | | .3 | 1 | 32012 | 4 | | | | | | 0.0 | 14.5 | 0.7 |
| 80 02 04 1435 | | | .3 | 1 | 32027 | 4 | 20I | 10< | 4< | 8 | 4< | 0.0 | 13.5 | 0.6 |
| 80 03 03 1430 | | | .3 | 1 | 32042 | 4 | | | | | | 0.0 | 13.0 | 0.8 |
| 80 05 05 1350 | | | .3 | 1 | 32072 | 8 | 200I | 2700 | 10< | 10< | 4< | 17.0 | 9.5 | 0.5 |
| 80 08 05 1430 | | | .3 | 1 | 32117 | 8 | 124C | 1560 | 28 | 12 | 4 | 25.0 | 9.0 | 0.6 |
| 80 09 02 1410 | | | .3 | 1 | 32132 | 8 | 27000 | 78000 | 420 | 232 | 24 | 19.5 | 7.5 | 0.5 |
| 80 10 14 1430 | | | .3 | 1 | 32147 | 8 | 600I | 1500 | 380 | 570 | 4< | 7.5 | 11.5 | 0.4 |
| 80 11 10 1430 | | | .3 | 1 | 32162 | 8 | 250 | 1400 | 136 | 424 | 4< | 4.0 | 12.0 | 0.8 |
| 80 12 01 1425 | | | .3 | 1 | 32177 | 8 | 30I | 310 | 20I | 60I | 4< | 4.0 | 12.5 | 0.1< |
| MAXIMUM | | | | | | | 27000 | 78000 | 420 | 570 | 24 | 25.0 | 14.5 | 0.8 |
| ARITH MEAN | | | | | | | 4032 | 12211L | 143L | 188L | 7L | 8.6 | 11.4 | 0.6L |
| GEOM MEAN | | | | | | | 250 | 1115L | 47L | 61L | 6L | 4.6 | 11.2 | 0.6L |
| MINIMUM | | | | | | | 20 | 10< | 4< | 8< | 4< | 0.0 | 7.5 | 0.1< |
| STD DEV | | | | | | | 10130 | 29024L | 182L | 229L | 8L | 9.5 | 2.3 | 0.2L |
| NO OF SAMPLES | | | | | | | 7 | 7 | 7 | 7 | 7 | 9 | 9 | 9 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST-NAME: | | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 07 1430 | | | .3 | 1 | 0.012 | 0.004 | 0.015 | 0.390 | 0.006 | 3.240 | 3.261 | 0.375 | 3.636 | 378.0 |
| 80 02 04 1435 | | | .3 | 1 | 0.008 | 0.002 | 0.005< | 0.370 | 0.007 | 2.300 | 2.312 | 0.365 | 2.677 | 360.0 |
| 80 03 03 1430 | | | .3 | 1 | 0.009 | 0.002 | 0.005 | 0.350 | 0.006 | 2.290 | 2.301 | 0.345 | 2.646 | 356.0 |
| 80 05 05 1350 | | | .3 | 1 | 0.017 | 0.003 | 0.010 | 0.520 | 0.008 | 1.200 | 1.218 | 0.510 | 1.728 | 296.0 |
| 80 08 05 1430 | | | .3 | 1 | 0.012 | 0.002 | 0.020 | 0.48 | 0.005 | 0.68 | 0.705 | 0.460 | 1.165 | 314.6 |
| 80 09 02 1410 | | | .3 | 1 | 0.080 | 0.010 | 0.025 | 0.60 | 0.008 | 0.92 | 0.953 | 0.575 | 1.528 | 429.3 |
| 80 10 14 1430 | | | .3 | 1 | 0.019 | 0.003 | 0.005 | 0.720 | 0.014 | 2.140 | 2.159 | 0.715 | 2.874 | 353.4 |
| 80 11 10 1430 | | | .3 | 1 | 0.015 | 0.003 | 0.005 | 0.710 | 0.012 | 2.500 | 2.517 | 0.705 | 3.222 | 396.9 |
| 80 12 01 1425 | | | .3 | 1 | 0.010 | 0.001 | 0.005 | 0.520 | 0.007 | 1.970 | 1.982 | 0.515 | 2.497 | 320.9 |
| MAXIMUM | | | | | 0.080 | 0.010 | 0.025 | 0.720 | 0.014 | 3.240 | 3.261 | 0.715 | 3.636 | 429.3 |
| ARITH MEAN | | | | | 0.020 | 0.003 | 0.011L | 0.51 | 0.008 | 1.91 | 1.934 | 0.507 | 2.441 | 356.1 |
| GEOM MEAN | | | | | 0.015 | 0.003 | 0.009L | 0.50 | 0.008 | 1.72 | 1.749 | 0.491 | 2.304 | 353.9 |
| MINIMUM | | | | | 0.008 | 0.001 | 0.005< | 0.350 | 0.005 | 0.68 | 0.705 | 0.345 | 1.165 | 296.0 |
| STD DEV | | | | | 0.023 | 0.003 | 0.008L | 0.13 | 0.003 | 0.82 | 0.823 | 0.138 | 0.814 | 42.0 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST-NAME: | | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 07 1430 | | | .3 | 1 | 9.0 | 369.0 | 595.0 | 4.20 | 16.500 | 8.24 |
| 80 02 04 1435 | | | .3 | 1 | 13.5 | 346.5 | 570.0 | 4.80 | 16.000 | 8.08 |
| 80 03 03 1430 | | | .3 | 1 | 8.0 | 348.0 | 590.0 | 3.80 | 16.500 | 8.05 |
| 80 05 05 1350 | | | .3 | 1 | 5.5 | 290.5 | 483.0 | 1.50 | 12.000 | 8.55 |
| 80 08 05 1430 | | | .3 | 1 | 4.3 | 310.3 | 473 | 4.2 | 17.5 | 8.54 |
| 80 09 02 1410 | | | .3 | 1 | 77.9 | 351.4 | 500 | 74 | 18.5 | 8.36 |
| 80 10 14 1430 | | | .3 | 1 | 6.8 | 346.6 | 575.0 | 3.20 | 19.000 | 8.47 |
| 80 11 10 1430 | | | .3 | 1 | 3.3 | 393.6 | 575.0 | 3.00 | 15.500 | 8.42 |
| 80 12 01 1425 | | | .3 | 1 | 5.5 | 315.4 | 560.0 | 3.20 | 18.500 | 8.47 |
| MAXIMUM | | | | | 77.9 | 393.6 | 595.0 | 74 | 19.000 | 8.55 |
| ARITH MEAN | | | | | 14.9 | 341.3 | 546 | 11 | 16.6 | 8.35 |
| GEOM MEAN | | | | | 8.5 | 340.0 | 544 | 4 | 16.5 | 8.35 |
| MINIMUM | | | | | 3.3 | 290.5 | 473 | 1.60 | 12.000 | 8.05 |
| STD DEV | | | | | 23.8 | 31.5 | 47 | 23 | 2.1 | 0.19 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 |

B.O.W./SITE **LUCKNOW RIVER**
SAMPLE POINT **CANNING STREET, VILLAGE OF LUCKNOW**
STATION TYPE **RIVER FLOW GAUGE MOE 02FD102**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **LUCKNOW RIVER**

STATION ID: **08-0076-002-02**
STORET CODE: **02**
**002**
**0730**

LAT LONG U.T.M. **17 0458490.0 4866900.0 4** REGION: **01** DISTANCE: **25.740**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT. /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 07 1500 | | | 3 | 1 | 32013 | 4 | | | | | | 0.0 | 13.5 | 0.8 |
| 80 02 04 1505 | | | 3 | 1 | 32028 | 4 | 900I | 400 | 150 | 36 | 4< | 0.0 | 13.5 | 0.7 |
| 80 03 03 1500 | | | 3 | 1 | 32043 | 4 | | | | | | 0.0 | 12.0 | 1.1 |
| 80 05 05 1415 | | | 3 | 1 | 32073 | 8 | 16100> | 23000 | 420 | 50I | 4< | 17.5 | 11.5 | 0.5 |
| 80 08 05 1500 | | | 3 | 1 | 32118 | 8 | 7800C | 33000 | 610 | 50I | 32 | 23.0 | 10.0 | 0.3 |
| 80 09 02 1450 | | | 3 | 1 | 32133 | 8 | 16000 | 45000 | 690 | 600> | 20 | 19.0 | 7.0 | 1.3 |
| 80 10 14 1500 | | | 3 | 1 | 32148 | 8 | 2300 | 1500 | 400 | 1500 | 4< | 7.5 | 11.5 | 0.8 |
| 80 11 10 1500 | | | 3 | 1 | 32163 | 8 | 5400 | 7500 | 600> | 100> | 4< | 4.5 | 10.0 | 1.2 |
| 80 12 01 1455 | | | 3 | 1 | 32178 | 8 | 6100 | 7000 | 390 | 1500> | 4< | 4.5 | 12.0 | 0.3 |
| MAXIMUM | | | | | | | 16100> | 45000 | 690> | 1500> | 32 | 23.0 | 13.5 | 1.3 |
| ARITH MEAN | | | | | | | 7800G | 16771 | 466G | 548G | 10L | 8.4 | 11.2 | 0.8 |
| GEOM MEAN | | | | | | | 5418G | 7272 | 424G | 199G | 7L | 4.7 | 11.0 | 0.7 |
| MINIMUM | | | | | | | 900 | 400 | 150 | 36 | 4< | 0.0 | 7.0 | 0.3 |
| STD DEV | | | | | | | 6092G | 17232 | 183G | 680G | 11L | 9.0 | 2.0 | 0.4 |
| NO OF SAMPLES | | | | | | | 7 | 7 | 7 | 7 | 7 | 9 | 9 | 9 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 07 1500 | | | .3 | 1 | 0.022 | 0.008 | 0.045 | 0.460 | 0.009 | 2.390 | 2.444 | 0.415 | 2.859 | 394.0 |
| 80 02 04 1505 | | | .3 | 1 | 0.019 | 0.010 | 0.060 | 0.390 | 0.011 | 1.840 | 1.911 | 0.330 | 2.241 | 386.0 |
| 80 03 03 1500 | | | .3 | 1 | 0.034 | 0.013 | 0.170 | 0.380 | 0.012 | 1.670 | 1.852 | 0.210 | 2.062 | 384.0 |
| 80 05 05 1415 | | | .3 | 1 | 0.023 | 0.004 | 0.025 | 0.570 | 0.009 | 0.990 | 1.024 | 0.545 | 1.569 | 326.0 |
| 80 08 05 1500 | | | .3 | 1 | 0.026 | 0.008 | 0.035 | 0.48 | 0.012 | 0.68 | 0.727 | 0.445 | 1.172 | 361.9 |
| 80 09 02 1450 | | | .3 | 1 | 0.077 | 0.031 | 0.100 | 0.78 | 0.022 | 0.58 | 0.702 | 0.680 | 1.382 | 350.0 |
| 80 10 14 1500 | | | .3 | 1 | 0.051 | 0.030 | 0.055 | 0.900 | 0.051 | 2.700 | 2.806 | 0.845 | 3.651 | 393.0 |
| 80 11 10 1500 | | | .3 | 1 | 0.056 | 0.041 | 0.135 | 1.010 | 0.031 | 2.300 | 2.466 | 0.875 | 3.341 | 419.4 |
| 80 12 01 1455 | | | .3 | 1 | 0.055 | 0.030 | 0.115 | 0.600 | 0.021 | 1.420 | 1.556 | 0.485 | 2.041 | 375.2 |
| MAXIMUM | | | | | 0.077 | 0.041 | 0.170 | 1.010 | 0.051 | 2.700 | 2.806 | 0.875 | 3.651 | 419.4 |
| ARITH MEAN | | | | | 0.040 | 0.019 | 0.082 | 0.61 | 0.020 | 1.61 | 1.721 | 0.537 | 2.258 | 376.6 |
| GEOM MEAN | | | | | 0.036 | 0.016 | 0.069 | 0.58 | 0.017 | 1.43 | 1.640 | 0.493 | 2.112 | 375.7 |
| MINIMUM | | | | | 0.019 | 0.004 | 0.025 | 0.380 | 0.009 | 0.58 | 0.702 | 0.210 | 1.172 | 326.0 |
| STD DEV | | | | | 0.020 | 0.013 | 0.050 | 0.22 | 0.014 | 0.76 | 0.778 | 0.225 | 0.865 | 27.5 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 07 1500 | | | .3 | 1 | 8.0 | 386.0 | 620.0 | 3.40 | 22.000 | 8.08 |
| 80 02 04 1505 | | | .3 | 1 | 12.5 | 373.5 | 600.0 | 3.30 | 25.000 | 8.03 |
| 80 03 03 1500 | | | .3 | 1 | 4.0 | 380.0 | 630.0 | 3.00 | 28.000 | 8.07 |
| 80 05 05 1415 | | | .3 | 1 | 5.0 | 321.0 | 538.0 | 1.80 | 20.500 | 8.51 |
| 80 08 05 1500 | | | .3 | 1 | 2.4 | 359.5 | 560 | 1.7 | 25.0 | 8.38 |
| 80 09 02 1450 | | | .3 | 1 | 8.6 | 341.4 | 525 | 4.5 | 25.0 | 8.09 |
| 80 10 14 1500 | | | .3 | 1 | 5.1 | 387.9 | 622.0 | 2.60 | 24.000 | 8.15 |
| 80 11 10 1500 | | | .3 | 1 | 4.1 | 415.3 | 615.0 | 3.30 | 21.500 | 8.16 |
| 80 12 01 1455 | | | .3 | 1 | 11.1 | 364.1 | 618.0 | 2.60 | 26.500 | 8.16 |
| MAXIMUM | | | | | 12.5 | 415.3 | 630.0 | 4.5 | 28.000 | 8.51 |
| ARITH MEAN | | | | | 6.8 | 369.9 | 592 | 2.9 | 24.1 | 8.18 |
| GEOM MEAN | | | | | 6.0 | 368.9 | 590 | 2.7 | 24.0 | 8.18 |
| MINIMUM | | | | | 2.4 | 321.0 | 525 | 1.7 | 20.500 | 8.03 |
| STD DEV | | | | | 3.5 | 27.6 | 40 | 0.8 | 2.4 | 0.16 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 |

B.O.W./SITE **LITTLE SAUBLE RIVER**
SAMPLE POINT **AT INVERHURON PROVINCIAL PARK MOE SWA1**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **LITTLE SAUBLE RIVER**

STATION ID: **08-0113-001-02**
STORET CODE: **02**
**002**
**1110**

LAT LONG U.T.M. **17 0453825.0 4904950.0 4** REGION: **01** DISTANCE: **1.931**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 02 05 1140 | | | .3 | 1 | 30307 | 6 | 360C | 3000 | 24 | 44 | 4< | 3.5 | 12.8 | 0.5 |
| 80 04 08 1120 | | | .3 | 1 | 30332 | | 1120C | 3500 | 64 | 600> | 4< | 9.0 | 11.2 | 1.3 |
| 80 05 06 1220 | | | .3 | 1 | 30349 | 6 | 550 | 2000 | 32 | 8 | 4< | 13.0 | 11.2 | 0.9 |
| 80 06 02 1200 | | | .3 | 1 | 30365 | 6 | 860C | 4400 | 500 | 80 | 4< | 11.9 | 8.3 | 1.4 |
| 80 07 08 1200 | | | .3 | 1 | 30381 | 6 | 660C | 3700 | 360 | 600> | 4< | 12.0 | 9.4 | 0.1< |
| 80 08 05 1235 | | | .3 | 1 | 30397 | 6 8 | 2500 | 12000 | 380 | 250 | 4< | 16.0 | 9.8 | 0.9 |
| 80 10 07 1155 | | | .3 | 1 | 30428 | 6 | 14900C | 84000 | | | 16 | 9.5 | 11.7 | 0.9 |
| 80 11 03 1250 | | | .3 | 1 | 30444 | 6 | 300I | 4600 | 40I | 10I | 4< | 7.5 | 11.9 | 0.9 |
| 80 12 01 1230 | | | .3 | 1 | 30460 | 6 | 300I | 3900 | 100 | 10I | 4< | 1.8 | 15.2 | 0.2 |
| MAXIMUM | | | | | | | 14900 | 84000 | 500 | 600> | 16 | 16.0 | 15.2 | 1.4 |
| ARITH MEAN | | | | | | | 2394 | 13456 | 187 | 200G | 5L | 9.4 | 11.3 | 0.8L |
| GEOM MEAN | | | | | | | 909 | 5883 | 104 | 63G | 5L | 7.9 | 11.1 | 0.6L |
| MINIMUM | | | | | | | 300 | 2000 | 24 | 8 | 4< | 1.8 | 8.3 | 0.1< |
| STD DEV | | | | | | | 4739 | 26611 | 193 | 269G | 4L | 4.6 | 2.0 | 0.4L |
| NO OF SAMPLES | | | | | | | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9 |

(CONTD)

| | | | | TEST-NAME: | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 02 05 1140 | | | .3 | 1 | 0.004 | 0.001 | 0.035 | 0.290 | 0.003 | 0.560 | 0.598 | 0.255 | 0.853 | 334.0 |
| 80 04 08 1120 | | | .3 | 1 | 0.175 | 0.081 | 0.125 | 0.820 | 0.021 | 1.470 | 1.616 | 0.695 | 2.311 | 298.0 |
| 80 05 06 1220 | | | .3 | 1 | 0.037 | 0.003 | 0.020 | 0.430 | 0.009 | 1.430 | 1.459 | 0.410 | 1.869 | 338.00 |
| 80 06 02 1200 | | | .3 | 1 | 0.052 | 0.017 | 0.020 | 0.670 | 0.059 | 4.600 | 4.679 | 0.650 | 5.329 | 438.0 |
| 80 07 08 1200 | | | .3 | 1 | 0.014 | 0.003 | 0.035 | 0.340 | 0.006 | 1.850 | 1.891 | 0.305 | 2.196 | 267.0 |
| 80 08 05 1235 | | | .3 | 1 | 0.028 | 0.005 | 0.030 | 0.44 | 0.010 | 1.86 | 1.900 | 0.410 | 2.310 | 364.0 |
| 80 10 07 1155 | | | .3 | 1 | 0.226 | 0.153 | 0.045 | 1.320 | 0.030 | 3.420 | 3.495 | 1.275 | 4.770 | 397.8 |
| 80 11 03 1250 | | | .3 | 1 | 0.017 | 0.002 | 0.005 | 0.490 | 0.004 | 1.980 | 1.989 | 0.485 | 2.474 | 398.6 |
| 80 12 01 1230 | | | .3 | 1 | 0.041 | 0.014 | 0.010 | 0.61 | 0.004 | 1.66 | 1.674 | 0.600 | 2.274 | 419.2 |
| MAXIMUM | | | | | 0.226 | 0.153 | 0.125 | 1.320 | 0.059 | 4.600 | 4.679 | 1.275 | 5.329 | 438.0 |
| ARITH MEAN | | | | | 0.066 | 0.031 | 0.036 | 0.60 | 0.016 | 2.09 | 2.146 | 0.566 | 2.710 | 361.6 |
| GEOM MEAN | | | | | 0.035 | 0.009 | 0.025 | 0.54 | 0.010 | 1.81 | 1.867 | 0.506 | 2.403 | 357.4 |
| MINIMUM | | | | | 0.004 | 0.001 | 0.005 | 0.290 | 0.003 | 0.560 | 0.598 | 0.255 | 0.853 | 267.0 |
| STD DEV | | | | | 0.079 | 0.052 | 0.036 | 0.31 | 0.018 | 1.20 | 1.212 | 0.308 | 1.418 | 57.1 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| | | | | TEST-NAME: | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | SIO3UR | ACDT | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | SILICATE UNF.REAC MG/L AS SI | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH |
| 80 02 05 1140 | | | .3 | 1 | 14.0 | 320.0 | 580.0 | 0.90 | 19.000 | | | | | 8.14 |
| 80 04 08 1120 | | | .3 | 1 | 43.5 | 254.5 | 406.0 | 30.00 | 13.000 | | | | | 8.24 |
| 80 05 06 1220 | | | .3 | 1 | 4.50 | 333.50 | 518.0 | 3.10 | 17.500 | 22.000 | 1.160 | 2.000 | 233.0 | 8.23 |
| 80 06 02 1200 | | | .3 | 1 | 17.0 | 421.0 | 580.0 | 3.80 | 20.500 | | | | | 8.04 |
| 80 07 08 1200 | | | .3 | 1 | 13.6 | 253.0 | 540.0 | 4.20 | 19.500 | | | | | 8.09 |
| 80 08 05 1235 | | | .3 | 1 | 9.9 | 354.1 | 570 | 6.3 | 22.5 | | | | | 8.09 |
| 80 10 07 1155 | | | .3 | 1 | 26.6 | 371.2 | 565.0 | 21.00 | 14.500 | | | | | 8.01 |
| 80 11 03 1250 | | | .3 | 1 | 8.0 | 390.6 | 645.0 | 4.40 | 23.500 | | | | | 8.24 |
| 80 12 01 1230 | | | .3 | 1 | 32.0 | 387.2 | 675 | 9.0 | 25.5 | | | | | |
| MAXIMUM | | | | | 43.5 | 421.0 | 675 | 30.00 | 25.5 | 22.000 | 1.160 | 2.000 | 233.0 | 8.24 |
| ARITH MEAN | | | | | 18.7 | 342.7 | 564 | 9.1 | 19.6 | 22.000 | 1.160 | 2.000 | 233.0 | 8.13 |
| GEOM MEAN | | | | | 15.1 | 337.9 | 559 | 5.7 | 19.0 | | | | | 8.13 |
| MINIMUM | | | | | 4.50 | 253.0 | 406.0 | 0.90 | 13.000 | 22.000 | 1.160 | 2.000 | 233.0 | 8.01 |
| STD DEV | | | | | 12.7 | 58.9 | 76 | 9.7 | 4.0 | | | | | 0.09 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | 8 |

| | | | | TEST-NAME: | FWPH | FEUT | CAUR | MGUR | COLAP | KKUR | NAUR | GACF | GACP | GBCF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH FIELD | IRON UNF.TOT. MG/L AS FE | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L |
| 80 02 05 1140 | | | .3 | 1 | 7.5 | | | | | | | 2 | 1 | 3 |
| 80 04 08 1120 | | | .3 | 1 | 8.0 | | | | | | | 1< | 1< | 3 |
| 80 05 06 1220 | | | .3 | 1 | 7.8 | 0.210 | 65.500 | 23.600 | 21.000 | 2.30 | 8.700 | 2 | 1< | 3 |
| 80 07 08 1200 | | | .3 | 1 | 7.9 | | | | | | | 1< | 1< | 5 |
| 80 08 05 1235 | | | .3 | 1 | 7.9 | | | | | | | 1 | 1< | 3 |
| 80 10 07 1155 | | | .3 | 1 | 7.9 | | | | | | | 1< | 1< | 5 |
| 80 11 03 1250 | | | .3 | 1 | 7.7 | | | | | | | | | |
| 80 12 01 1230 | | | .3 | 1 | 8.2 | | | | | | | 1< | 1< | 2 |
| MAXIMUM | | | | | 8.2 | 0.210 | 65.500 | 23.600 | 21.000 | 2.30 | 8.700 | 2 | 1 | 5 |
| ARITH MEAN | | | | | 7.9 | 0.210 | 65.500 | 23.600 | 21.000 | 2.30 | 8.700 | 1L | 1L | 3 |
| GEOM MEAN | | | | | 7.9 | | | | | | | 1L | 1L | 3 |
| MINIMUM | | | | | 7.5 | 0.210 | 65.500 | 23.600 | 21.000 | 2.30 | 8.700 | 1< | 1< | 2 |
| STD DEV | | | | | 0.2 | | | | | | | 0L | 0L | 1 |
| NO OF SAMPLES | | | | | 8 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 7 | 7 |

| | | | | TEST-NAME: | GBCP | HH3 | CS137 | CS134 | CO60 |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | GROSS BETA CT UNDISSOL PCI/L | TRITIUM HYDROG-3 NCI/L | CESIUM 137 PCI/L | CESIUM 134 PCI/L | COBALT 60 PCI/L |
| 80 02 05 1140 | | | .3 | 1 | 1 | 1.10 | 30< | 30< | |
| 80 04 08 1120 | | | .3 | 1 | 1 | 1.12 | 30< | 30< | |
| 80 05 06 1220 | | | .3 | 1 | 1< | 1.40 | 15< | 15< | |
| 80 07 08 1200 | | | .3 | 1 | 1< | 1.49 | 15< | 15< | |
| 80 08 05 1235 | | | .3 | 1 | 1< | 1.30 | 15< | 15< | |
| 80 10 07 1155 | | | .3 | 1 | 1< | 1.39 | 15< | 15< | 15< |
| 80 12 01 1230 | | | .3 | 1 | 1< | 0.45 | 15< | 15< | 15< |
| MAXIMUM | | | | | 1 | 1.49 | 30 | 30 | 15 |
| ARITH MEAN | | | | | 1L | 1.18 | 19L | 19L | 15L |
| GEOM MEAN | | | | | 1L | 1.11 | 18L | 18L | 15L |
| MINIMUM | | | | | 1< | 0.45 | 15< | 15< | 15< |
| STD DEV | | | | | 0L | 0.36 | 7L | 7L | 0L |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 | 2 |

| | | | |
|---|---|---|---|
| BOW / SITE | **SAUGEEN RIVER** | | STATION ID: **08-0123-001-83** |
| SAMPLE POINT | **AT HIGHWAY NO 21 SOUTHAMPTON MOE SW A2** | MAJOR BASIN **GREAT LAKES** | STORET CODE: **02** |
| STATION TYPE | **RIVER C FLOW GAUGE FED 02FC001** | MINOR BASIN **LAKE HURON** | **002** |
| | | TERM STREAM: **SAUGEEN RIVER** | **1280** |
| LAT | LONG: | U T M: **17 0470940.0 4927200.0 4** REGION: **01** | DISTANCE: **0.844** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 04 08 1230 | | | .3 | 1 | 30333 | 3 | 201.000 | 1500 | 10700 | 248 | 180 | 4< | 9.5 | 12.2 |
| 80 05 06 1330 | | | .3 | 1 | 30350 | | 54.200 | | | 12 | 4< | | 13.0 | 11.0 |
| 80 06 02 1315 | | | .3 | 1 | 30366 | 6 | 32.700 | 180 | 2400 | 36 | 8 | 4< | 15.0 | 7.5 |
| 80 07 08 1325 | | | .3 | 1 | 30382 | 6 | 21.300 | 450C | 3200 | 120 | 68 | 4< | 21.8 | 7.4 |
| 80 08 05 1430 | | | .3 | 1 | 30398 | 6 | 41.400 | 340C | 5000 | 30I | 48 | 4< | 23.8 | 9.0 |
| 80 09 03 1350 | | | .3 | 1 | 30413 | 6 | 25.300 | 150C | 3100 | 90I | 60I | 4< | 22.2 | 10.0 |
| 80 10 07 1245 | | | .3 | 1 | 30429 | 6 | 67.400 | 4500 | 12200 | 376 | 280 | 4< | 10.5 | 12.6 |
| 80 11 03 1330 | | | .3 | 1 | 30445 | 6 | 38.700 | 1300 | 6600 | 40I | 20I | 4< | 6.5 | 14.3 |
| 80 12 01 1350 | | | .3 | 1 | 30461 | 6 | 40.700 | 820C | 4400 | 130 | 20I | 4< | 1.5 | 16.2 |
| **MAXIMUM** | | | | | | | **201.000** | **4500** | **12200** | **376** | **280** | **4** | **23.8** | **16.2** |
| **ARITH MEAN** | | | | | | | **58.078** | **1155** | **5960** | **120** | **76L** | **4L** | **13.8** | **11.1** |
| **GEOM MEAN** | | | | | | | **46.548** | **644** | **5091** | **74** | **37L** | **4L** | **10.9** | **10.8** |
| **MINIMUM** | | | | | | | **21.300** | **150** | **2400** | **12** | **4<** | **4<** | **1.5** | **7.4** |
| **STD DEV** | | | | | | | **55.402** | **1442** | **3657** | **120** | **93L** | **0L** | **7.7** | **3.0** |
| **NO OF SAMPLES** | | | | | | | **9** | **8** | **8** | **9** | **9** | **8** | **9** | **9** |

| TEST-NAME: | | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 04 08 1230 | | | .3 | 1 | 0.8 | 0.074 | 0.010 | 0.015 | 0.450 | 0.007 | 1.000 | 1.022 | 0.435 | 1.457 |
| 80 05 06 1330 | | | .3 | 1 | | 0.030 | 0.005 | | 0.540 | 0.006 | 0.750 | | | 1.296 |
| 80 06 02 1315 | | | .3 | 1 | 1.2 | 0.025 | 0.004 | 0.030 | 0.460 | 0.017 | 0.890 | 0.937 | 0.430 | 1.367 |
| 80 07 08 1325 | | | .3 | 1 | 0.1 | 0.035 | 0.002 | 0.030 | 0.390 | 0.005 | 0.290 | 0.325 | 0.360 | 0.685 |
| 80 08 05 1430 | | | .3 | 1 | 1.0 | 0.033 | 0.008 | 0.015 | 0.55 | 0.005 | 0.34 | 0.360 | 0.535 | 0.895 |
| 80 09 03 1350 | | | .3 | 1 | 0.8 | 0.021 | 0.002 | 0.020 | 0.410 | 0.004 | 0.400 | 0.424 | 0.390 | 0.814 |
| 80 10 07 1245 | | | .3 | 1 | 0.6 | 0.055 | 0.020 | 0.015 | 0.740 | 0.005 | 0.700 | 0.720 | 0.725 | 1.445 |
| 80 11 03 1330 | | | .3 | 1 | 1.5 | 0.012 | 0.001< | 0.005 | 0.480 | 0.003 | 0.660 | 0.668 | 0.475 | 1.143 |
| 80 12 01 1350 | | | .3 | 1 | 0.4 | 0.013 | 0.001 | 0.005 | 0.41 | 0.005 | 0.93 | 0.940 | 0.405 | 1.345 |
| **MAXIMUM** | | | | | **1.5** | **0.074** | **0.020** | **0.030** | **0.740** | **0.017** | **1.000** | **1.022** | **0.725** | **1.457** |
| **ARITH MEAN** | | | | | **0.8** | **0.033** | **0.006L** | **0.017** | **0.49** | **0.006** | **0.66** | **0.674** | **0.469** | **1.161** |
| **GEOM MEAN** | | | | | **0.6** | **0.028** | **0.004L** | **0.014** | **0.48** | **0.006** | **0.60** | **0.619** | **0.459** | **1.124** |
| **MINIMUM** | | | | | **0.1** | **0.012** | **0.001<** | **0.005** | **0.390** | **0.003** | **0.290** | **0.325** | **0.360** | **0.685** |
| **STD DEV** | | | | | **0.4** | **0.020** | **0.006L** | **0.010** | **0.10** | **0.004** | **0.26** | **0.279** | **0.116** | **0.292** |
| **NO OF SAMPLES** | | | | | **8** | **9** | **9** | **8** | **9** | **9** | **9** | **8** | **8** | **9** |

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | ALKT | PH | FWPH | GACF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | GROSS ALPHA CT FILTERED PCI/L |
| 80 04 08 1230 | | | .3 | 1 | 254.0 | 33.0 | 245.000 | 377.0 | 17.00 | 11.500 | | 8.17 | 8.1 | 1< |
| 80 05 06 1330 | | | .3 | 1 | | 4.50 | 212.00 | | | | 222.0 | 8.42 | 8.4 | 1 |
| 80 06 02 1315 | | | .3 | 1 | 366.0 | 10.0 | 356.0 | 520.0 | 6.00 | 9.000 | | 7.54 | | |
| 80 07 08 1325 | | | .3 | 1 | 407.0 | 8.8 | 398.0 | 520.0 | 7.20 | 10.000 | | 8.20 | 8.3 | 1< |
| 80 08 05 1430 | | | .3 | 1 | 341.6 | 11.2 | 330.4 | 492 | 7.9 | 7.5 | | 8.41 | 8.3 | 1 |
| 80 09 03 1350 | | | .3 | 1 | 358.0 | 4.7 | 353.3 | 518.0 | 3.30 | 12.000 | | 8.19 | | 1< |
| 80 10 07 1245 | | | .3 | 1 | 326.6 | 16.1 | 310.5 | 500.0 | 8.10 | 7.500 | | 8.27 | 8.1 | 2 |
| 80 11 03 1330 | | | .3 | 1 | 357.3 | 3.5 | 353.8 | 560.0 | 1.60 | 19.500 | | 8.30 | 8.3 | |
| 80 12 01 1350 | | | .3 | 1 | 370.9 | 4.8 | 366.1 | 570 | 1.7 | 12.0 | | 8.36 | 8.6 | 1 |
| **MAXIMUM** | | | | | **407.0** | **33.0** | **398.0** | **570** | **17.00** | **19.500** | **222.0** | **8.42** | **8.6** | **2** |
| **ARITH MEAN** | | | | | **347.7** | **10.7** | **325.0** | **507** | **6.6** | **11.1** | **222.0** | **8.21** | **8.3** | **1L** |
| **GEOM MEAN** | | | | | **344.9** | **8.3** | **319.3** | **503** | **5.0** | **10.6** | | **8.20** | **8.3** | **1L** |
| **MINIMUM** | | | | | **254.0** | **3.5** | **212.00** | **377.0** | **1.60** | **7.5** | **222.0** | **7.54** | **8.1** | **1<** |
| **STD DEV** | | | | | **44.5** | **9.3** | **60.2** | **59** | **4.9** | **3.8** | | **0.27** | **0.2** | **0L** |
| **NO OF SAMPLES** | | | | | **8** | **9** | **9** | **8** | **8** | **8** | **1** | **9** | **7** | **7** |

| TEST-NAME: | | | | | GACP | GBCF | GBCP | HH3 | CS137 | CS134 | CO60 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | TRITIUM HYDROG-3 NCI/L | CESIUM 137 PCI/L | CESIUM 134 PCI/L | COBALT 60 PCI/L |
| 80 04 08 1230 | | | .3 | 1 | 1< | 2 | 1< | 0.38 | 30< | 30< | |
| 80 05 06 1330 | | | .3 | 1 | 1< | 2 | 1< | 0.30 | 15< | 15< | |
| 80 07 08 1325 | | | .3 | 1 | 1< | 2 | 1< | 0.31 | 15< | 15< | |
| 80 08 05 1430 | | | .3 | 1 | 1< | 3 | 1< | 0.27 | 15< | 15< | |
| 80 09 03 1350 | | | .3 | 1 | 1< | 2 | 1< | 0.20 | 15< | 15< | 15< |
| 80 10 07 1245 | | | .3 | 1 | 1< | 5 | 1< | 0.31 | 15< | 15< | 15< |
| 80 12 01 1350 | | | .3 | 1 | 1< | 4 | 1< | 1.63 | 15< | 15< | 15< |
| **MAXIMUM** | | | | | **1** | **5** | **1** | **1.63** | **30** | **30** | **15** |
| **ARITH MEAN** | | | | | **1L** | **3** | **1L** | **0.49** | **17L** | **17L** | **15L** |
| **GEOM MEAN** | | | | | **1L** | **3** | **1L** | **0.37** | **17L** | **17L** | **15L** |
| **MINIMUM** | | | | | **1<** | **2** | **1<** | **0.20** | **15<** | **15<** | **15<** |
| **STD DEV** | | | | | **0L** | **1** | **0L** | **0.61** | **6L** | **6L** | **0L** |
| **NO OF SAMPLES** | | | | | **7** | **7** | **7** | **7** | **7** | **7** | **3** |

|  |  |  |
|---|---|---|
| B.O.W./ SITE: **SAUGEEN RIVER**<br>SAMPLE POINT: **YONGE STREET, TOWN OF WALKERTON**<br>STATION TYPE: **RIVER FLOW GAUGE FED 02FC002** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE HURON**<br>TERM STREAM: **SAUGEEN RIVER** | STATION ID: **08-0123-002-02**<br>STORET CODE: **02**<br>**002**<br>**1200** |

LAT LONG U T M: **17 0487675.0 4880625.0 4** REGION: **01** DISTANCE: **70.003**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE: SAMPLE NUMBER | FWSTRC: STREAM COND. | FWFLOW: STREAM FLOW M3 /S | TCMF: COLIFORM TOTAL MF CNT /100ML | TCMFBK: COLIFORM TOTAL MF BCKGRD CNT /100ML | FCMF: FECAL COLIFORM MF CNT /100ML | FSMF: FECAL STREPCUS MF CNT /100ML | PSAMF: PSEUDOMN AERUG. MF CNT /100ML | FWTEMP: WATER TEMP DEG.C | DO: DISOLVED OXYGEN MG/L AS O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 14 1435 |  |  | .3 | 1 | 32510 | 6 | 30.000 | 900I | 4400 | 284 | 312 | 4< | 0.0 | 12.5 |
| 80 02 11 1420 |  |  | .3 | 1 | 52718 | 6 | 11.100 | 310 | 230 | 160 | 1500> | 4< | 0.1 | 12.5 |
| 80 03 17 1355 |  |  | .3 | 1 | 32545 | 6 | 11.500 | 840 | 2100 | 188 | 324 | 4 | 2.5 | 11.0 |
| 80 04 14 1400 |  |  | .3 | 1 | 32562 | 6 | 86.400 |  |  |  |  |  | 5.0 | 11.5 |
| 80 05 20 1500 |  |  | .3 | 1 | 32579 | 6 | 35.100 |  |  |  |  |  | 17.0 | 15.0 |
| 80 06 16 1420 |  |  | .3 | 1 | 32596 | 6 | 17.600 | 260C | 3000 | 164 | 28 | 4< | 15.0 | 15.0 |
| 80 07 14 1440 |  |  | .3 | 1 | 32613 | 6 | 10.500 |  |  |  |  |  | 21.0 | 14.0 |
| 80 08 18 1340 |  |  | .3 | 1 | 32630 | 6 | 12.100 |  |  |  |  |  | 19.0 | 10.5 |
| 80 09 15 1415 |  |  | .3 | 1 | 32647 | 6 | 11.300 | 1100 | 5600 | 120 | 20 | 4< | 16.0 | 10.5 |
| 80 10 20 1415 |  |  | .3 | 1 | 32664 | 6 | 29.700 | 3600 | 11200 | 280 | 496 | 16 | 7.0 | 11.5 |
| 80 11 17 1410 |  |  | .3 | 1 | 32680 | 6 | 27.400 | 160 | 840 | 56 | 40 | 4< | 1.0 | 13.0 |
| 80 12 15 1415 |  |  | .3 | 1 | 32697 | 6 | 34.800 |  |  |  |  |  | 0.0 | 13.5 |
| **MAXIMUM** |  |  |  |  |  |  | **86.400** | **3600** | **11200** | **284** | **1500>** | **16** | **21.0** | **15.0** |
| **ARITH MEAN** |  |  |  |  |  |  | **26.488** | **1024** | **3910** | **179** | **389G** | **6L** | **8.6** | **12.5** |
| **GEOM MEAN** |  |  |  |  |  |  | **21.215** | **628** | **2296** | **160** | **160G** | **6L** | **3.9** | **12.4** |
| **MINIMUM** |  |  |  |  |  |  | **10.500** | **160** | **230** | **56** | **20** | **4<** | **0.0** | **10.5** |
| **STD DEV** |  |  |  |  |  |  | **21.299** | **1192** | **3726** | **82** | **623G** | **6L** | **8.3** | **1.6** |
| **NO OF SAMPLES** |  |  |  |  |  |  | **12** | **7** | **7** | **7** | **7** | **7** | **12** | **12** |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | BOD5: BOD 5 DAY TOT.DEM. MG/L AS O | PPUT: PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR: PO4 FIL.REAC MG/L AS P | NNHTFR: NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR: K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR: NO2-N FIL.REAC MG/L AS N | NNO3FR: NO3-N FIL.REAC MG/L AS N | NNTIFR: ORG N TOTAL FIL.REAC MG/L | NNKUR: KJELDAHL ORGANIC UNF.REAC MG/L | NNKI: TOTAL N MG/L AS N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 14 1435 |  |  | .3 | 1 | 1.5 | 0.038 | 0.015 | 0.070 | 0.510 | 0.008 | 1.470 | 1.548 | 0.440 | 1.988 |
| 80 02 11 1420 |  |  | .3 | 1 | 0.1 | 0.012 | 0.006 | 0.035 | 0.290 | 0.006 | 1.780 | 1.821 | 0.255 | 2.076 |
| 80 03 17 1355 |  |  | .3 | 1 | 1.1 | 0.070 | 0.013 | 0.090 | 0.430 | 0.010 | 1.590 | 1.690 | 0.340 | 2.030 |
| 80 04 14 1400 |  |  | .3 | 1 | 0.5 | 0.022 | 0.004 | 0.040 | 0.360 | 0.006 | 0.920 | 0.966 | 0.320 | 1.286 |
| 80 05 20 1500 |  |  | .3 | 1 | 0.3 | 0.022 | 0.004 | 0.020 | 0.470 | 0.008 | 0.740 | 0.768 | 0.450 | 1.218 |
| 80 06 16 1420 |  |  | .3 | 1 | 0.2 | 0.022 | 0.003 | 0.035 | 0.410 | 0.009 | 0.820 | 0.864 | 0.375 | 1.239 |
| 80 07 14 1440 |  |  | .3 | 1 | 0.1 | 0.028 | 0.005 | 0.050 | 0.480 | 0.006 | 0.500 | 0.556 | 0.430 | 0.986 |
| 80 08 18 1340 |  |  | .3 | 1 | 0.4 | 0.010 | 0.001 | 0.045 | 0.400 | 0.004 | 0.510 | 0.559 | 0.355 | 0.914 |
| 80 09 15 1415 |  |  | .3 | 1 | 0.5 | 0.015 | 0.004 | 0.020 | 0.35 | 0.004 | 0.71 | 0.734 | 0.330 | 1.064 |
| 80 10 20 1415 |  |  | .3 | 1 | 0.8 | 0.022 | 0.005 | 0.005 | 0.45 | 0.004 | 0.64 | 0.649 | 0.445 | 1.094 |
| 80 11 17 1410 |  |  | .3 | 1 | 1.1 | 0.014 | 0.004 | 0.010 | 0.420 | 0.002 | 0.860 | 0.872 | 0.410 | 1.282 |
| 80 12 15 1415 |  |  | .3 | 1 | 0.7 | 0.017 | 0.002 | 0.025 | 0.350 | 0.005 | 1.270 | 1.300 | 0.325 | 1.625 |
| **MAXIMUM** |  |  |  |  | **1.5** | **0.070** | **0.015** | **0.090** | **0.510** | **0.010** | **1.780** | **1.821** | **0.450** | **2.076** |
| **ARITH MEAN** |  |  |  |  | **0.6** | **0.024** | **0.005** | **0.037** | **0.41** | **0.006** | **0.96** | **1.027** | **0.373** | **1.400** |
| **GEOM MEAN** |  |  |  |  | **0.4** | **0.021** | **0.004** | **0.029** | **0.40** | **0.006** | **0.90** | **0.946** | **0.368** | **1.347** |
| **MINIMUM** |  |  |  |  | **0.1** | **0.010** | **0.001** | **0.005** | **0.290** | **0.002** | **0.500** | **0.556** | **0.255** | **0.914** |
| **STD DEV** |  |  |  |  | **0.4** | **0.016** | **0.004** | **0.026** | **0.06** | **0.002** | **0.43** | **0.448** | **0.062** | **0.421** |
| **NO OF SAMPLES** |  |  |  |  | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RST: RESIDUE TOTAL MG/L | RSP: RESIDUE PARTIC. MG/L | RSF: RESIDUE FILTERED MG/L | COND25: CONDUCT. 25C UMHO/CM AT 25 C | TURB: TURB'ITY FTU | CLIDUR: CHLORIDE UNF.REAC MG/L AS CL | PH: PH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 14 1435 |  |  | .3 | 1 | 320.0 | 19.5 | 300.5 | 464.0 | 6.30 | 7.000 |  |
| 80 02 11 1420 |  |  | .3 | 1 | 432.0 | 2.5 | 429.5 | 640.0 | 1.20 | 9.000 |  |
| 80 03 17 1355 |  |  | .3 | 1 | 476.0 | 80.0 | 396.0 | 640.0 | 39.00 | 14.500 |  |
| 80 04 14 1400 |  |  | .3 | 1 | 288.00 | 12.00 | 276.00 | 429.0 | 5.00 | 6.000 |  |
| 80 05 20 1500 |  |  | .3 | 1 | 334.0 | 10.0 | 324.0 | 497.0 | 3.60 | 7.000 |  |
| 80 06 16 1420 |  |  | .3 | 1 | 426.0 | 6.5 | 419.5 | 560.0 | 2.50 | 7.500 | 8.38 |
| 80 07 14 1440 |  |  | .3 | 1 | 469.0 | 2.9 | 466.0 | 570.0 | 0.80 | 8.500 |  |
| 80 08 18 1340 |  |  | .3 | 1 | 438.9 | 4.9 | 434.0 | 570.0 | 1.30 | 7.500 | 8.33 |
| 80 09 15 1415 |  |  | .3 | 1 | 415.6 | 2.5 | 413.1 | 610 | 1.6 | 8.0 | 8.36 |
| 80 10 20 1415 |  |  | .3 | 1 | 367.4 | 5.6 | 361.8 | 550 | 3.0 | 7.5 | 8.35 |
| 80 11 17 1410 |  |  | .3 | 1 | 354.2 | 3.7 | 350.5 | 545.0 | 1.40 | 8.000 |  |
| 80 12 15 1415 |  |  | .3 | 1 | 363.7 | 15.5 | 348.2 | 515.0 | 2.00 | 7.500 | 8.20 |
| **MAXIMUM** |  |  |  |  | **476.0** | **80.0** | **466.0** | **640.0** | **39.00** | **14.500** | **8.38** |
| **ARITH MEAN** |  |  |  |  | **390.4** | **13.8** | **376.5** | **549** | **5.6** | **8.1** | **8.32** |
| **GEOM MEAN** |  |  |  |  | **385.9** | **7.5** | **372.2** | **545** | **2.7** | **7.9** | **8.32** |
| **MINIMUM** |  |  |  |  | **288.00** | **2.5** | **276.00** | **429.0** | **0.80** | **6.000** | **8.20** |
| **STD DEV** |  |  |  |  | **60.8** | **21.5** | **58.7** | **65** | **10.6** | **2.1** | **0.07** |
| **NO OF SAMPLES** |  |  |  |  | **12** | **12** | **12** | **12** | **12** | **12** | **6** |

B O W / SITE: **SAUGEEN RIVER**
SAMPLE POINT: **HIGHWAY 4, HANOVER**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SAUGEEN RIVER**

STATION ID: **08-0123-003-02**
STORET CODE: **02**
**002**
**1200**

LAT LONG U T M: **17 0496850.0 4888475.0 4** REGION: **01** DISTANCE: **94.827**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 14 1505 | | | 3 | 1 | 32511 | 6 | 1200 | 1200 | 540 | 180 | 4< | 0.5 | 12.5 | 1.4 |
| 80 04 14 1425 | | | 3 | 1 | 32563 | 3 | | | | | | 5.0 | 11.5 | 0.4 |
| 80 05 20 1520 | | | 3 | 1 | 32580 | 6 | | | | | | 17.0 | 14.5 | 0.3 |
| 80 06 16 1500 | | | 3 | 1 | 32597 | 6 | 3700 | 8000 | 600> | 216 | 8 | 15.0 | 14.5 | 0.4 |
| 80 07 14 1525 | | | 3 | 1 | 32614 | 6 | | | | | | 21.0 | 14.0 | 0.2 |
| 80 08 18 1420 | | | 3 | 1 | 32631 | 6 | | | | | | 19.0 | 10.0 | 0.6 |
| 80 09 15 1435 | | | 3 | 1 | 32648 | 6 | 5800C | 49000 | 336 | 324 | 4 | 15.0 | 10.5 | 0.4 |
| 80 10 20 1440 | | | 3 | 1 | 32665 | 6 | 11400 | 13400 | 600> | 600> | 56 | 7.5 | 11.5 | 0.7 |
| 80 11 17 1445 | | | 3 | 1 | 32681 | 6 | 2100 | 1200 | 220 | 130 | 4 | 0.0 | 13.5 | 1.2 |
| 80 12 15 1330 | | | 3 | 1 | 32698 | 6 | | | | | | 0.0 | 12.5 | 1.0 |
| MAXIMUM | | | | | | | 11400 | 49000 | 600> | 600> | 56 | 21.0 | 14.5 | 1.4 |
| ARITH MEAN | | | | | | | 4840 | 14560 | 459G | 290G | 15L | 10.0 | 12.5 | 0.7 |
| GEOM MEAN | | | | | | | 3814 | 7260 | 420G | 250G | 8L | 5.8 | 12.4 | 0.6 |
| MINIMUM | | | | | | | 1200 | 1200 | 220 | 130 | 4< | 0.0 | 10.0 | 0.2 |
| STD DEV | | | | | | | 4062 | 19604 | 172G | 187G | 23L | 8.3 | 1.6 | 0.4 |
| NO OF SAMPLES | | | | | | | 5 | 5 | 5 | 5 | 5 | 10 | 10 | 10 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 14 1505 | | | 3 | 1 | 0.085 | 0.047 | 0.055 | 0.400 | 0.007 | 0.980 | 1.042 | 0.345 | 1.387 | 242.0 |
| 80 04 14 1425 | | | 3 | 1 | 0.044 | 0.004 | 0.025 | 0.380 | 0.005 | 0.540 | 0.570 | 0.355 | 0.925 | 242.0 |
| 80 05 20 1520 | | | 3 | 1 | 0.025 | 0.006 | 0.060 | 0.460 | 0.018 | 0.570 | 0.648 | 0.400 | 1.048 | 284.0 |
| 80 06 16 1500 | | | 3 | 1 | 0.043 | 0.021 | 0.035 | 0.430 | 0.005 | 0.730 | 0.770 | 0.395 | 1.165 | 322.0 |
| 80 07 14 1525 | | | 3 | 1 | 0.045 | 0.024 | 0.080 | 0.460 | 0.012 | 0.590 | 0.682 | 0.380 | 1.062 | 310.0 |
| 80 08 18 1420 | | | 3 | 1 | 0.026 | 0.013 | 0.040 | 0.410 | 0.014 | 0.620 | 0.674 | 0.370 | 1.044 | 308.3 |
| 80 09 15 1435 | | | 3 | 1 | 0.049 | 0.027 | 0.020 | 0.38 | 0.013 | 0.73 | 0.763 | 0.360 | 1.123 | 286.3 |
| 80 10 20 1440 | | | 3 | 1 | 0.023 | 0.007 | 0.030 | 0.44 | 0.008 | 0.54 | 0.578 | 0.410 | 0.988 | 294.8 |
| 80 11 17 1445 | | | 3 | 1 | 0.022 | 0.008 | 0.030 | 0.420 | 0.012 | 0.700 | 0.742 | 0.390 | 1.132 | 290.4 |
| 80 12 15 1330 | | | 3 | 1 | 0.019 | 0.005 | 0.030 | 0.350 | 0.007 | 0.790 | 0.827 | 0.320 | 1.147 | 298.5 |
| MAXIMUM | | | | | 0.085 | 0.047 | 0.080 | 0.460 | 0.018 | 0.980 | 1.042 | 0.410 | 1.387 | 322.0 |
| ARITH MEAN | | | | | 0.038 | 0.016 | 0.040 | 0.41 | 0.010 | 0.67 | 0.730 | 0.372 | 1.102 | 287.8 |
| GEOM MEAN | | | | | 0.034 | 0.012 | 0.037 | 0.41 | 0.009 | 0.66 | 0.719 | 0.372 | 1.096 | 286.6 |
| MINIMUM | | | | | 0.019 | 0.004 | 0.020 | 0.350 | 0.005 | 0.540 | 0.570 | 0.320 | 0.925 | 242.0 |
| STD DEV | | | | | 0.020 | 0.014 | 0.019 | 0.03 | 0.004 | 0.13 | 0.138 | 0.028 | 0.125 | 26.8 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 14 1505 | | | 3 | 1 | 10.5 | 231.5 | 422.0 | 1.70 | 6.000 | |
| 80 04 14 1425 | | | 3 | 1 | 11.5 | 239.000 | 368.0 | 4.60 | 5.500 | |
| 80 05 20 1520 | | | 3 | 1 | 5.5 | 278.5 | 435.0 | 2.50 | 6.500 | |
| 80 06 16 1500 | | | 3 | 1 | 3.5 | 318.5 | 453.0 | 1.90 | 7.000 | 8.37 |
| 80 07 14 1525 | | | 3 | 1 | 2.8 | 307.0 | 450.0 | 1.10 | 8.500 | |
| 80 08 18 1420 | | | 3 | 1 | 3.0 | 305.3 | 467.0 | 1.50 | 8.500 | 8.33 |
| 80 09 15 1435 | | | 3 | 1 | 2.6 | 283.7 | 482 | 1.2 | 9.0 | 8.37 |
| 80 10 20 1440 | | | 3 | 1 | 3.7 | 291.1 | 474 | 1.7 | 7.5 | 8.30 |
| 80 11 17 1445 | | | 3 | 1 | 2.0 | 288.4 | 471.0 | 0.95 | 7.000 | |
| 80 12 15 1330 | | | 3 | 1 | 7.8 | 290.7 | 457.0 | 1.10 | 7.500 | 8.17 |
| MAXIMUM | | | | | 11.5 | 318.5 | 482 | 4.60 | 9.0 | 8.37 |
| ARITH MEAN | | | | | 5.3 | 283.3 | 447 | 1.8 | 7.3 | 8.31 |
| GEOM MEAN | | | | | 4.4 | 282.0 | 446 | 1.6 | 7.2 | 8.31 |
| MINIMUM | | | | | 2.0 | 231.5 | 368.0 | 0.95 | 5.500 | 8.17 |
| STD DEV | | | | | 3.6 | 28.0 | 33 | 1.0 | 1.1 | 0.08 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 5 |

B O W / SITE: **TEESWATER RIVER**
SAMPLE POINT: **DOWNSTREAM FROM DAM, WEST OF TEESWATER**
STATION TYPE: **RIVER FLOW GAUGE MOE 02FC104**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SAUGEEN RIVER**

STATION ID: **08-0123-004-02**
STORET CODE: **02**
**002**
**1200**

LAT LONG U T M: **17 0475450.0 4871625.0 4** REGION: **01** DISTANCE: **98.938**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 14 0920 | | | 3 | 1 | 32501 | 6 | 420 | 148 | 16 | 600> | 4< | 1.0 | 12.5 | 0.8 |
| 80 02 11 0930 | | | 3 | 1 | 52709 | 6 | 470C | 3500 | 40I | 460 | 4< | 0.0 | 12.5 | 0.4 |
| 80 03 17 0940 | | | 3 | 1 | 32536 | 6 | 2500 | 1100 | 16 | 600> | 4< | 3.0 | 12.0 | 1.8 |
| 80 04 14 0945 | | | 3 | 1 | 32553 | 6 | | | | | | 4.5 | 12.0 | 0.3 |
| 80 05 20 0955 | | | 3 | 1 | 32570 | 6 | | | | | | 12.0 | 14.0 | 0.4 |
| 80 06 16 0940 | | | 3 | 1 | 32587 | 6 | 7600 | 12000 | 600> | 360 | 4< | 14.0 | 16.5 | 0.7 |
| 80 07 14 1015 | | | 3 | 1 | 32604 | 6 | 750C | 3900 | 440 | 20I | 4< | 20.0 | 20.0 | 0.5 |
| 80 08 18 0940 | | | 3 | 1 | 32621 | 6 | | | | | | 17.0 | 10.5 | 0.9 |
| 80 09 15 0920 | | | 3 | 1 | 32638 | 6 | 81000C | 630000 | 140 | 212 | 4< | 13.0 | 11.0 | 0.7 |
| 80 10 20 0925 | | | 3 | 1 | 32655 | 6 | 2100 | 4200 | 124 | 600> | 4< | 7.0 | 11.0 | 0.6 |
| 80 11 17 0920 | | | 3 | 1 | 32671 | 6 | 2200 | 1100 | 12 | 660 | 4< | 1.0 | 12.5 | 1.6 |
| 80 12 15 0930 | | | 3 | 1 | 32688 | 6 | | | | | | 0.0 | 12.5 | 1.1 |
| MAXIMUM | | | | | | | 81000 | 630000 | 600> | 660> | 4 | 20.0 | 20.0 | 1.8 |
| ARITH MEAN | | | | | | | 12130 | 81993 | 173G | 439G | 4L | 7.7 | 13.1 | 0.8 |
| GEOM MEAN | | | | | | | 2387 | 4086 | 70G | 316G | 4L | 4.5 | 12.9 | 0.7 |
| MINIMUM | | | | | | | 420 | 148 | 12 | 20 | 4< | 0.0 | 10.5 | 0.3 |
| STD DEV | | | | | | | 27924 | 221459 | 224G | 227G | 0L | 7.2 | 2.7 | 0.5 |
| NO OF SAMPLES | | | | | | | 8 | 8 | 8 | 8 | 8 | 12 | 12 | 12 |

(CONTD)

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 14 0920 | | | .3 | 1 | 0.047 | 0.023 | 0.075 | 0.550 | 0.016 | 3.880 | 3.971 | 0.475 | 4.446 | 242.0 |
| 80 02 11 0930 | | | .3 | 1 | 0.053 | 0.035 | 0.020 | 0.380 | 0.012 | 4.090 | 4.122 | 0.360 | 4.482 | 368.0 |
| 80 03 17 0940 | | | .3 | 1 | 0.108 | 0.050 | 0.070 | 0.560 | 0.016 | 3.430 | 3.516 | 0.490 | 4.006 | 348.0 |
| 80 04 14 0945 | | | .3 | 1 | 0.045 | 0.019 | 0.055 | 0.510 | 0.026 | 3.170 | 3.251 | 0.455 | 3.706 | 300.0 |
| 80 05 20 0955 | | | .3 | 1 | 0.052 | 0.026 | 0.045 | 0.750 | 0.019 | 2.130 | 2.194 | 0.705 | 2.899 | 338.0 |
| 80 06 16 0940 | | | .3 | 1 | 0.078 | 0.039 | 0.045 | 0.820 | 0.070 | 2.400 | 2.515 | 0.775 | 3.290 | 362.00 |
| 80 07 14 1015 | | | .3 | 1 | 0.108 | 0.091 | 0.040 | 0.55 | 0.025 | 1.65 | 1.715 | 0.510 | 2.225 | 346 |
| 80 08 18 0940 | | | .3 | 1 | 0.074 | 0.059 | 0.130 | 0.580 | 0.025 | 1.770 | 1.925 | 0.450 | 2.375 | 349.2 |
| 80 09 15 0920 | | | .3 | 1 | 0.122 | 0.086 | 0.050 | 0.63 | 0.027 | 1.98 | 2.057 | 0.580 | 2.637 | 330.0 |
| 80 10 20 0925 | | | .3 | 1 | 0.045 | 0.018 | 0.015 | 0.57 | 0.010 | 2.30 | 2.325 | 0.555 | 2.880 | 376.9 |
| 80 11 17 0920 | | | .3 | 1 | 0.032 | 0.014 | 0.015 | 0.540 | 0.009 | 2.900 | 2.924 | 0.525 | 3.449 | 383.7 |
| 80 12 15 0930 | | | .3 | 1 | 0.040 | 0.017 | 0.115 | 0.620 | 0.011 | 3.900 | 4.026 | 0.505 | 4.531 | 358.2 |
| MAXIMUM | | | | | 0.122 | 0.091 | 0.130 | 0.820 | 0.070 | 4.090 | 4.122 | 0.775 | 4.531 | 383.7 |
| ARITH MEAN | | | | | 0.067 | 0.040 | 0.056 | 0.58 | 0.022 | 2.80 | 2.878 | 0.532 | 3.410 | 341 |
| GEOM MEAN | | | | | 0.061 | 0.033 | 0.046 | 0.57 | 0.019 | 2.67 | 2.756 | 0.522 | 3.316 | 339 |
| MINIMUM | | | | | 0.032 | 0.014 | 0.015 | 0.380 | 0.009 | 1.65 | 1.715 | 0.360 | 2.225 | 242.0 |
| STD DEV | | | | | 0.031 | 0.027 | 0.037 | 0.11 | 0.016 | 0.87 | 0.876 | 0.113 | 0.829 | 38 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | SIO3UR | ACDT | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | SILICATE UNF.REAC MG/L AS SI | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH |
| 80 01 14 0920 | | | .3 | 1 | 5.0 | 237.0 | 515.0 | 2.10 | 9.500 | | | | | |
| 80 02 11 0930 | | | .3 | 1 | 8.5 | 359.5 | 570.0 | 1.80 | 9.000 | | | | | |
| 80 03 17 0940 | | | .3 | 1 | 22.0 | 326.0 | 538.0 | 15.00 | 12.500 | | | | | |
| 80 04 14 0945 | | | .3 | 1 | 4.0 | 296.0 | 487.0 | 1.30 | 8.500 | | | | | |
| 80 05 20 0955 | | | .3 | 1 | 10.0 | 328.0 | 497.0 | 1.40 | 7.000 | | | | | |
| 80 06 16 0940 | | | .3 | 1 | 9.00 | 353.00 | 475.0 | 5.50 | 7.000 | 18.500 | 2.480 | 6.000 | 224.0 | 8.27 |
| 80 07 14 1015 | | | .3 | 1 | 2.5 | 343 | 493 | 0.80 | 10.0 | | | | | 8.07 |
| 80 08 18 0940 | | | .3 | 1 | 3.3 | 345.9 | 515.0 | 1.00 | 10.000 | | | | | 8.22 |
| 80 09 15 0920 | | | .3 | 1 | 3.6 | 326.4 | 530 | 1.5 | 10.0 | | | | | 8.12 |
| 80 10 20 0925 | | | .3 | 1 | 7.1 | 369.8 | 575 | 2.5 | 9.0 | | | | | 8.19 |
| 80 11 17 0920 | | | .3 | 1 | 5.1 | 378.6 | 585.0 | 1.90 | 11.000 | | | | | 8.09 |
| 80 12 15 0930 | | | .3 | 1 | 7.2 | 351.0 | 560.0 | 2.50 | 9.500 | | | | | |
| MAXIMUM | | | | | 22.0 | 378.6 | 585.0 | 15.00 | 12.500 | 18.500 | 2.480 | 6.000 | 224.0 | 8.27 |
| ARITH MEAN | | | | | 7.2 | 334 | 528 | 3.1 | 9.4 | 18.500 | 2.480 | 6.000 | 224.0 | 8.16 |
| GEOM MEAN | | | | | 6.0 | 332 | 527 | 2.1 | 9.3 | | | | | 8.16 |
| MINIMUM | | | | | 2.5 | 237.0 | 475.0 | 0.80 | 7.000 | 18.500 | 2.480 | 6.000 | 224.0 | 8.07 |
| STD DEV | | | | | 5.2 | 37 | 37 | 3.9 | 1.5 | | | | | 0.06 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 1 | 1 | 1 | 1 | 6 |

| TEST-NAME: | | | | | FEUT | HARDT | CAUR | MGUR | COLAP | KKUR | NAUR | COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O |
| 80 06 16 0940 | | | .3 | 1 | 0.340 | 259.000 | 67.000 | 22.200 | 40.000 | 1.40 | 3.500 | 16 |
| MAXIMUM | | | | | 0.340 | 259.000 | 67.000 | 22.200 | 40.000 | 1.40 | 3.500 | 16 |
| ARITH MEAN | | | | | 0.340 | 259.000 | 67.000 | 22.200 | 40.000 | 1.40 | 3.500 | 16 |
| GEOM MEAN | | | | | | | | | | | | |
| MINIMUM | | | | | 0.340 | 259.000 | 67.000 | 22.200 | 40.000 | 1.40 | 3.500 | 16 |
| STD DEV | | | | | | | | | | | | |
| NO OF SAMPLES | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

B O W / SITE: **SAUGEEN RIVER**
SAMPLE POINT: **HIGHWAY 4, TOWN OF DURHAM**
STATION TYPE: **RIVER FLOW GAUGE FED 02FC014**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SAUGEEN RIVER**

STATION ID: **08-0123-005-02**
STORET CODE: **02**
**002**
**1280**

LAT:
LONG:
U T M: **17 0512950.0 4891650.0 4**
REGION: **01**
DISTANCE: **125.847**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 15 0800 | | | .3 | 1 | 32513 | 6 | 600> | 1840 | 152 | 148 | 4< | 0.0 | 13.0 | 1.4 |
| 80 02 12 0845 | | | .3 | 1 | 52721 | 6 | 3300 | 5100 | 760 | 780 | 4< | 1.0 | 12.5 | 0.5 |
| 80 03 18 0925 | | | .3 | 1 | 32548 | 6 | 970 | 210 | 132 | 100 | 4< | 2.0 | 11.5 | 0.6 |
| 80 04 15 0900 | | | .3 | 1 | 32565 | 3 | 440 | 1630 | 208 | 600> | 4< | 4.0 | 12.5 | 0.6 |
| 80 05 21 0845 | | | .3 | 1 | 32582 | 6 | | | | | | 15.0 | 12.5 | 0.2 |
| 80 06 17 0845 | | | .3 | 1 | 32599 | 6 | 1500 | 7300 | 380 | 88 | 4 | 14.0 | 13.5 | 0.3 |
| 80 07 15 0900 | | | .3 | 1 | 32616 | 6 | 6800C | 53000 | 600> | 600> | 24 | 20.0 | 12.5 | 0.9 |
| 80 08 19 0900 | | | .3 | 1 | 32633 | 6 | 2000C | 51000 | 290 | 30I | 36 | 19.0 | 10.5 | 0.7 |
| 80 09 16 0800 | | | .3 | 1 | 32650 | 6 | 6300 | 11000 | 308 | 80 | 4 | 14.0 | 10.5 | 0.6 |
| 80 10 21 0845 | | | .3 | 1 | 32667 | 6 | 2200 | 3900 | 224 | 84 | 4 | 6.0 | 11.0 | 0.6 |
| 80 11 18 0850 | | | .3 | 1 | 32683 | 6 | 1200 | 2000 | 244 | 188 | 4 | 0.0 | 13.5 | 1.3 |
| 80 12 15 0900 | | | .3 | 1 | 32700 | 6 | | | | | | 0.0 | 12.5 | 1.0 |
| MAXIMUM | | | | | | | 6800> | 53000 | 760> | 780> | 36 | 20.0 | 13.5 | 1.4 |
| ARITH MEAN | | | | | | | 2531G | 13698 | 330G | 270G | 9L | 7.9 | 12.2 | 0.7 |
| GEOM MEAN | | | | | | | 1761G | 4716 | 285G | 164G | 6L | 4.4 | 12.1 | 0.6 |
| MINIMUM | | | | | | | 440 | 210 | 132 | 30 | 4< | 0.0 | 10.5 | 0.2 |
| STD DEV | | | | | | | 2280G | 20438 | 202G | 277G | 11L | 7.9 | 1.1 | 0.4 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 10 | 12 | 12 | 12 |

(CONTD)

B O W / SITE **SAUGEEN RIVER**
SAMPLE POINT **HIGHWAY 4, TOWN OF DURHAM**
STATION TYPE **RIVER FLOW GAUGE FED 02FC014**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SAUGEEN RIVER**

STATION ID: **08-0123-005-02**
STORET CODE **02**
**002**
**1280**

LAT: LONG: U T M: **17 0512950.0 4891650.0 4** REGION: **01** DISTANCE: **125.847**

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 15 0800 | | | 3 | 1 | 0.015 | 0.005 | 0.045 | 0.400 | 0.006 | 0.650 | 0.701 | 0.355 | 1.056 | 210.0 |
| 80 02 12 0845 | | | 3 | 1 | 0.028 | 0.020 | 0.110 | 0.320 | 0.004 | 1.070 | 1.184 | 0.210 | 1.394 | 308.0 |
| 80 03 18 0925 | | | 3 | 1 | 0.025 | 0.009 | 0.100 | 0.380 | 0.006 | 1.070 | 1.176 | 0.280 | 1.456 | 262.0 |
| 80 04 15 0900 | | | 3 | 1 | 0.021 | 0.005 | 0.010 | 0.350 | 0.003 | 0.320 | 0.333 | 0.340 | 0.673 | 186.0 |
| 80 05 21 0845 | | | 3 | 1 | 0.024 | 0.007 | 0.050 | 0.520 | 0.005 | 0.210 | 0.265 | 0.470 | 0.735 | 258.0 |
| 80 06 17 0845 | | | 3 | 1 | 0.028 | 0.007 | 0.090 | 0.580 | 0.008 | 0.380 | 0.478 | 0.490 | 0.968 | 302.0 |
| 80 07 15 0900 | | | 3 | 1 | 0.066 | 0.012 | 0.165 | 0.76 | 0.021 | 0.39 | 0.576 | 0.595 | 1.171 | 305 |
| 80 08 19 0900 | | | 3 | 1 | 0.025 | 0.015 | 0.075 | 0.510 | 0.022 | 0.350 | 0.447 | 0.435 | 0.882 | 290.4 |
| 80 09 16 0800 | | | 3 | 1 | 0.037 | 0.019 | 0.070 | 0.51 | 0.015 | 0.56 | 0.645 | 0.440 | 1.085 | 281.2 |
| 80 10 21 0845 | | | 3 | 1 | 0.018 | 0.004 | 0.020 | 0.50 | 0.002 | 0.18 | 0.202 | 0.480 | 0.682 | 284.6 |
| 80 11 18 0850 | | | 3 | 1 | 0.016 | 0.001 | 0.025 | 0.450 | 0.003 | 0.330 | 0.358 | 0.425 | 0.783 | 277.4 |
| 80 12 15 0900 | | | 3 | 1 | 0.028 | 0.011 | 0.080 | 0.480 | 0.003 | 0.450 | 0.533 | 0.400 | 0.933 | 297.2 |
| **MAXIMUM** | | | | | **0.088** | **0.020** | **0.165** | **0.76** | **0.022** | **1.070** | **1.184** | **0.595** | **1.456** | **308.0** |
| **ARITH MEAN** | | | | | **0.028** | **0.010** | **0.070** | **0.48** | **0.008** | **0.49** | **0.575** | **0.410** | **0.985** | **271** |
| **GEOM MEAN** | | | | | **0.025** | **0.008** | **0.055** | **0.46** | **0.006** | **0.42** | **0.503** | **0.397** | **0.955** | **269** |
| **MINIMUM** | | | | | **0.015** | **0.001** | **0.010** | **0.320** | **0.002** | **0.18** | **0.202** | **0.210** | **0.673** | **186.0** |
| **STD DEV** | | | | | **0.014** | **0.006** | **0.044** | **0.11** | **0.007** | **0.29** | **0.319** | **0.103** | **0.260** | **38** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | ALKT | PH | FEUT | ASUT | CRUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | IRON UNF.TOT. MG/L AS FE | ARSENIC UNF.TOT. MG/L AS AS | CHROMIUM UNF.TOT. MG/L AS CR |
| 80 01 15 0800 | | | 3 | 1 | 11.0 | 227.000 | 349.0 | 1.90 | 5.500 | | | | | |
| 80 02 12 0845 | | | 3 | 1 | 3.0 | 305.0 | 494.0 | 1.10 | 10.500 | | | | | |
| 80 03 18 0925 | | | 3 | 1 | 2.5 | 259.5 | 480.0 | 1.00 | 18.000 | | | | | |
| 80 04 15 0900 | | | 3 | 1 | 7.0 | 214.500 | 330.0 | 3.10 | 5.500 | | | | | |
| 80 05 21 0845 | | | 3 | 1 | 5.0 | 257.000 | 395.0 | 2.90 | 6.000 | | | | | |
| 80 06 17 0845 | | | 3 | 1 | 1.5 | 300.5 | 430.0 | 1.60 | 8.500 | | 8.26 | | | |
| 80 07 15 0900 | | | 3 | 1 | 24.3 | 281 | 418 | 1.2 | 13.0 | | | | | |
| 80 08 19 0900 | | | 3 | 1 | 6.6 | 283.8 | 456.0 | 1.70 | 10.500 | | 7.98 | | | |
| 80 09 16 0800 | | | 3 | 1 | 4.3 | 276.9 | 462 | 1.6 | 9.0 | | 8.37 | | | |
| 80 10 21 0845 | | | 3 | 1 | 3.8 | 280.8 | 452 | 1.5 | 6.5 | | 8.30 | | | |
| 80 11 18 0850 | | | 3 | 1 | 1.9 | 275.5 | 449.0 | 0.85 | 6.500 | | | | | |
| 80 12 15 0900 | | | 3 | 1 | 3.9 | 293.3 | 430.0 | 0.30 | 8.500 | 216.0 | 8.13 | 0.14 | 0.001< | 0.002< |
| **MAXIMUM** | | | | | **24.3** | **305.0** | **494.0** | **3.10** | **18.000** | **216.0** | **8.37** | **0.14** | **0.001** | **0.002** |
| **ARITH MEAN** | | | | | **8.2** | **271** | **428** | **1.5** | **9.0** | **216.0** | **8.21** | **0.14** | **0.001L** | **0.002L** |
| **GEOM MEAN** | | | | | **4.6** | **269** | **425** | **1.3** | **8.4** | | **8.21** | | | |
| **MINIMUM** | | | | | **1.5** | **214.500** | **330.0** | **0.30** | **5.500** | **216.0** | **7.98** | **0.14** | **0.001<** | **0.002<** |
| **STD DEV** | | | | | **8.3** | **27** | **49** | **0.8** | **3.6** | | **0.16** | | | |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **12** | **1** | **5** | **1** | **1** | **1** |

| TEST-NAME: | | | | | CUUT | PBUT | CDUT | NIUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | NICKEL UNF.TOT. MG/L AS NI | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 12 15 0900 | | | 3 | 1 | 0.0009 | 0.003< | 0.0005 | 0.0005 | 0.01< |
| **MAXIMUM** | | | | | **0.0009** | **0.003** | **0.0005** | **0.0005** | **0.01** |
| **ARITH MEAN** | | | | | **0.0009** | **0.003L** | **0.0005** | **0.0005** | **0.01L** |
| **GEOM MEAN** | | | | | | | | | |
| **MINIMUM** | | | | | **0.0009** | **0.003<** | **0.0005** | **0.0005** | **0.01<** |
| **STD DEV** | | | | | | | | | |
| **NO OF SAMPLES** | | | | | **1** | **1** | **1** | **1** | **1** |

B O W / SITE **ROCKY SAUGEEN RIVER**
SAMPLE POINT **AT CONCESSION ROAD SOUTHWEST OF MARKDALE**
STATION TYPE **RIVER FLOW GAUGE FED 02FC005**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SAUGEEN RIVER**

STATION ID **08-0123-006-02**
STORET CODE **02**
**002**
**1260**

LAT: LONG: U T M. **17 0526700.0 4905475.0 4** REGION: **01** DISTANCE: **143.389**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 15 0900 | | | 3 | 1 | 32514 | 6 | 32 | 100 | 16 | 8 | 4< | 2.0 | 12.5 | 0.8 |
| 80 02 12 0920 | | | 3 | 1 | 52722 | 6 | 10< | 10< | 10< | 10< | 4< | 0.0 | 12.5 | 0.3 |
| 80 03 18 1000 | | | 3 | 1 | 32549 | 6 | 32 | 36 | 40 | 4 | 4< | 2.0 | 12.0 | 0.8 |
| 80 04 15 1035 | | | 3 | 1 | 32566 | 3 | 780C | 3100 | 200 | 600> | 4< | 4.0 | 12.0 | 0.2 |
| 80 05 21 0920 | | | 3 | 1 | 32583 | 6 | | | | | | 14.0 | 14.0 | 0.7 |
| 80 06 17 0920 | | | 3 | 1 | 32600 | 6 | 120 | 1400 | 72 | 16 | 4< | 12.0 | 15.0 | 0.4 |
| 80 07 15 0930 | | | 3 | 1 | 32617 | 6 | 6800C | 53000 | 600> | 600> | 24 | 19.0 | 12.0 | 1.1 |
| 80 08 19 0930 | | | 3 | 1 | 32634 | 6 | 220 | 450 | 70I | 10I | | 16.0 | 10.5 | 0.6 |
| 80 09 16 0830 | | | 3 | 1 | 32651 | 6 | 350 | 1700 | 60 | 28 | 4< | 12.0 | 11.0 | 0.4 |
| 80 10 21 0925 | | | 3 | 1 | 32668 | 6 | 60I | 580 | 36 | 4< | 4< | 6.0 | 11.5 | 0.4 |
| 80 11 18 0930 | | | 3 | 1 | 32684 | 6 | 120 | 360 | 32 | 12 | 4< | 1.0 | 12.5 | 0.4 |
| 80 12 15 1000 | | | 3 | 1 | 32701 | 6 | | | | | | 0.0 | 12.0 | 0.7 |
| **MAXIMUM** | | | | | | | **6800** | **53000** | **600>** | **600>** | **24** | **19.0** | **15.0** | **1.1** |
| **ARITH MEAN** | | | | | | | **852L** | **6074L** | **114B** | **129B** | **8L** | **7.3** | **12.3** | **0.6** |
| **GEOM MEAN** | | | | | | | **143L** | **515L** | **55B** | **22B** | **5L** | **4.4** | **12.2** | **0.5** |
| **MINIMUM** | | | | | | | **10<** | **10<** | **10<** | **4<** | **4<** | **0.0** | **10.5** | **0.2** |
| **STD DEV** | | | | | | | **2103L** | **16517L** | **179B** | **248B** | **7L** | **6.9** | **1.2** | **0.3** |
| **NO OF SAMPLES** | | | | | | | **10** | **10** | **10** | **10** | **9** | **12** | **12** | **12** |

(CONTD)

| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PPUT PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR PO4 FIL.REAC MG/L AS P | NNHTFR NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR NO2-N FIL.REAC MG/L AS N | NNO3FR NO3-N FIL.REAC MG/L AS N | NNTIFR ORG N TOTAL FIL.REAC MG/L | NNKUR KJELDAHL ORGANIC UNF.REAC MG/L | NNKI TOTAL N MG/L AS N | RST RESIDUE TOTAL MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 15 0900 | | .3 | 1 | 0.004 | 0.002 | 0.010 | 0.270 | 0.003 | 1.840 | 1.853 | 0.260 | 2.113 | 292.0 |
| 80 02 12 0920 | | .3 | 1 | 0.003 | 0.003 | 0.015 | 0.140 | 0.002 | 2.300 | 2.317 | 0.125 | 2.442 | 528.0 |
| 80 03 18 1000 | | .3 | 1 | 0.003 | 0.002 | 0.030 | 0.170 | 0.005 | 1.830 | 1.865 | 0.140 | 2.005 | 268.0 |
| 80 04 15 1035 | | .3 | 1 | 0.010 | 0.003 | 0.015 | 0.280 | 0.002 | 1.290 | 1.307 | 0.265 | 1.572 | 258.0 |
| 80 05 21 0920 | | .3 | 1 | 0.026 | 0.013 | 0.115 | 0.570 | 0.016 | 1.430 | 1.561 | 0.455 | 2.016 | 312.0 |
| 80 06 17 0920 | | .3 | 1 | 0.008 | 0.001 | 0.010 | 0.330 | 0.004 | 1.490 | 1.504 | 0.320 | 1.824 | 230.0 |
| 80 07 15 0930 | | .3 | 1 | 0.165 | 0.008 | 0.050 | 0.87 | 0.013 | 1.22 | 1.283 | 0.820 | 2.103 | 459 |
| 80 08 19 0930 | | .3 | 1 | 0.004 | 0.001 | 0.035 | 0.310 | 0.008 | 1.560 | 1.603 | 0.275 | 1.878 | 307.0 |
| 80 09 16 0830 | | .3 | 1 | 0.012 | 0.002 | 0.010 | 0.29 | 0.003 | 1.53 | 1.543 | 0.280 | 1.823 | 287.0 |
| 80 10 21 0925 | | .3 | 1 | 0.005 | 0.002 | 0.010 | 0.21 | 0.002 | 1.46 | 1.472 | 0.200 | 1.672 | 297.2 |
| 80 11 18 0930 | | .3 | 1 | 0.007 | 0.001 | 0.010 | 0.290 | 0.002 | 1.710 | 1.722 | 0.280 | 2.002 | 300.6 |
| 80 12 15 1000 | | .3 | 1 | 0.007 | 0.001 | 0.010 | 0.270 | 0.001 | 1.620 | 1.631 | 0.260 | 1.891 | 325.4 |
| MAXIMUM | | | | 0.165 | 0.013 | 0.115 | 0.87 | 0.016 | 2.300 | 2.317 | 0.820 | 2.442 | 528.0 |
| ARITH MEAN | | | | 0.021 | 0.003 | 0.027 | 0.33 | 0.005 | 1.60 | 1.638 | 0.307 | 1.945 | 322 |
| GEOM MEAN | | | | 0.009 | 0.002 | 0.018 | 0.29 | 0.004 | 1.58 | 1.618 | 0.272 | 1.933 | 313 |
| MINIMUM | | | | 0.003 | 0.001 | 0.010 | 0.140 | 0.001 | 1.22 | 1.283 | 0.125 | 1.572 | 230.0 |
| STD DEV | | | | 0.046 | 0.004 | 0.031 | 0.20 | 0.005 | 0.28 | 0.280 | 0.182 | 0.226 | 85 |
| NO OF SAMPLES | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RSP RESIDUE PARTIC. MG/L | RSF RESIDUE FILTERED MG/L | COND25 CONDUCT. 25C UMHO/CM AT 25 C | TURB TURB'ITY FTU | CLIDUR CHLORIDE UNF.REAC MG/L AS CL | ALKT ALK TOTAL MG/L AS CACO3 | PH PH | PHNOL PHENOLS UNF-REAC UG/L PHENOL | FEUT IRON UNF.TOT. MG/L AS FE | ASUT ARSENIC UNF.TOT. MG/L AS AS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 15 0900 | | .3 | 1 | 16.0 | 276.0 | 486.0 | 1.00 | 6.500 | | | | | |
| 80 02 12 0920 | | .3 | 1 | 2.5 | 525.5 | 520.0 | 0.55 | 6.000 | | | | | |
| 80 03 18 1000 | | .3 | 1 | 2.0 | 266.0 | 486.0 | 11.00 | 9.000 | | | | | |
| 80 04 15 1035 | | .3 | 1 | 4.5 | 253.5 | 412.0 | 1.50 | 6.500 | | | | | |
| 80 05 21 0920 | | .3 | 1 | 2.0 | 310.0 | 495.0 | 1.00 | 7.500 | | | | | |
| 80 06 17 0920 | | .3 | 1 | 0.5< | 230.0 | 490.0 | 1.00 | 6.000 | | 8.31 | | | |
| 80 07 15 0930 | | .3 | 1 | 44.3 | 415 | 420 | 16 | 6.5 | | | | | |
| 80 08 19 0930 | | .3 | 1 | 2.4 | 304.6 | 510.0 | 0.80 | 8.500 | | 8.09 | | | |
| 80 09 16 0830 | | .3 | 1 | 0.9 | 286.1 | 497 | 0.75 | 5.5 | | 8.28 | | | |
| 80 10 21 0925 | | .3 | 1 | 1.4 | 296.8 | 494 | 0.55 | 6.0 | 253 | 8.20 | 1.0 < | 0.041 | 0.001< |
| 80 11 18 0930 | | .3 | 1 | 1.0 | 299.6 | 505.0 | 0.60 | 6.500 | 255.0 | 8.18 | 1.000< | 0.044 | 0.001< |
| 80 12 15 1000 | | .3 | 1 | 2.0 | 323.4 | 482.0 | 0.20 | 6.000 | 247.0 | 8.06 | 1.000 | 0.09 | 0.001< |
| MAXIMUM | | | | 44.3 | 525.5 | 520.0 | 16 | 9.000 | 255.0 | 8.31 | 1.0 | 0.09 | 0.001 |
| ARITH MEAN | | | | 6.6L | 315 | 483 | 2 | 6.7 | 251 | 8.19 | 1.0 L | 0.05 | 0.001L |
| GEOM MEAN | | | | 2.6L | 307 | 482 | 1 | 6.6 | 251 | 8.19 | 1.0 L | 0.05 | 0.001L |
| MINIMUM | | | | 0.5< | 230.0 | 412.0 | 0.20 | 5.5 | 247.0 | 8.06 | 1.0 < | 0.041 | 0.001< |
| STD DEV | | | | 12.6L | 80 | 33 | 5 | 1.0 | 4 | 0.10 | 0.0 L | 0.02 | 0.000L |
| NO OF SAMPLES | | | | 12 | 12 | 12 | 12 | 12 | 3 | 6 | 3 | 3 | 3 |

| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | CRUT CHROMIUM UNF.TOT. MG/L AS CR | CUUT COPPER UNF.TOT. MG/L AS CU | PBUT LEAD UNF.TOT. MG/L AS PB | CDUT CADMIUM UNF.TOT. MG/L AS CD | NIUT NICKEL UNF.TOT. MG/L AS NI | CCNAUR CYANIDE AVAIL UNF.REAC MG/L AS HCN | P1PCBT PCB TOTAL UG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80 10 21 0925 | | .3 | 1 | 0.002< | 0.003 | 0.003< | 0.0002< | 0.002 < | 0.01< | 0.020R |
| 80 11 18 0930 | | .3 | 1 | 0.002< | 0.001< | 0.003< | 0.0002< | 0.003 | 0.01< | 0.020R |
| 80 12 15 1000 | | .3 | 1 | 0.002< | 0.003 | 0.003< | 0.0003 | 0.0008 | 0.01< | 0.020R |
| MAXIMUM | | | | 0.002 | 0.003 | 0.003 | 0.0003 | 0.003 | 0.01 | |
| ARITH MEAN | | | | 0.002L | 0.002L | 0.003L | 0.0002L | 0.001 L | 0.01L | |
| GEOM MEAN | | | | 0.002L | 0.002L | 0.003L | 0.0002L | 0.001 L | 0.01L | |
| MINIMUM | | | | 0.002< | 0.001< | 0.003< | 0.0002< | 0.0008< | 0.01< | |
| STD DEV | | | | 0.000L | 0.001L | 0.000L | 0.0001L | 0.001 L | 0.00L | |
| NO OF SAMPLES | | | | 3 | 3 | 3 | 3 | 3 | 3 | |

B.O.W / SITE: **SAUGEEN RIVER**
SAMPLE POINT: **AT TOWNSHIP ROAD, DOWNSTREAM OF PAISLEY**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SAUGEEN RIVER**

STATION ID: **08-0123-007-02**
STORET CODE: **02**
**002**
**1280**

LAT. LONG: U T M: **17 0477650.0 4907075.0 4** REGION: **01** DISTANCE: **35.083**

| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE SAMPLE NUMBER | FWSTRC STREAM COND. | TCMF COLIFORM TOTAL MF CNT /100ML | TCMFBK COLIFORM TOTAL MF BCKGRD CNT /100ML | FCMF FECAL COLIFORM MF CNT /100ML | FSMF FECAL STREPCUS MF CNT /100ML | PSAMF PSEUDOMN AERUG. MF CNT /100ML | FWTEMP WATER TEMP DEG.C | DO DISOLVED OXYGEN MG/L AS O | BOD5 BOD 5 DAY TOT.DEM. MG/L AS O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 14 1110 | | .3 | 1 | 32505 | 6 | 600> | 4240 | 152 | 412 | 4< | 0.0 | 12.5 | 0.9 |
| 80 02 11 1105 | | .3 | 1 | 52713 | 6 | 1600 | 5900 | 290 | 70I | 4< | 1.0 | 12.5 | 0.6 |
| 80 03 17 1125 | | .3 | 1 | 32540 | 6 | 130 | 210 | 24 | 80 | 4< | 3.0 | 11.0 | 0.1< |
| 80 04 14 1130 | | .3 | 1 | 32557 | 6 | | | | | | 5.0 | 10.5 | 0.6 |
| 80 05 20 1200 | | .3 | 1 | 32574 | 6 | | | | | | 15.0 | 13.5 | 0.3 |
| 80 06 16 1140 | | .3 | 1 | 32591 | 6 | 132 | 1048 | 60 | 12 | 4< | 15.0 | 13.5 | 0.2 |
| 80 07 14 1200 | | .3 | 1 | 32608 | 6 | 84 | 880 | 16 | 32 | 4< | 22.0 | 12.0 | 0.4 |
| 80 08 18 1115 | | .3 | 1 | 32625 | 6 | | | | | | 20.0 | 10.5 | 0.5 |
| 80 09 15 1115 | | .3 | 1 | 32642 | 6 | 300C | 3400 | 44 | 8 | 4< | 15.0 | 11.0 | 0.4 |
| 80 10 20 1115 | | .3 | 1 | 32659 | 6 | 1200 | 3400 | 120 | 80I | 4< | 7.0 | 11.0 | 0.8 |
| 80 11 17 1115 | | .3 | 1 | 32675 | 6 | 160 | 150 | 48 | 28 | 4< | 1.0 | 13.0 | 0.9 |
| 80 12 15 1120 | | .3 | 1 | 32692 | 6 | | | | | | 0.0 | 12.5 | 0.9 |
| MAXIMUM | | | | | | 1800> | 5900 | 290 | 412 | 4 | 22.0 | 13.5 | 0.9 |
| ARITH MEAN | | | | | | 526G | 2403 | 94 | 90 | 4L | 8.7 | 12.0 | 0.5L |
| GEOM MEAN | | | | | | 307G | 1305 | 63 | 45 | 4L | 4.8 | 11.9 | 0.5L |
| MINIMUM | | | | | | 84 | 150 | 16 | 8 | 4< | 0.0 | 10.5 | 0.1< |
| STD DEV | | | | | | 574G | 2126 | 92 | 133 | 0L | 8.2 | 1.1 | 0.3L |
| NO OF SAMPLES | | | | | | 8 | 8 | 8 | 8 | 8 | 12 | 12 | 12 |

(CONTD)

B O W / SITE **SAUGEEN RIVER**
SAMPLE POINT **AT TOWNSHIP ROAD, DOWNSTREAM OF PAISLEY**
STATION TYPE **RIVER**
MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SAUGEEN RIVER**
STATION ID **08-0123-007-02**
STORET CODE **02**
**002**
**1260**
LAT LONG U T M **17 0477650.0 4907075.0 4** REGION **01** DISTANCE **35.083**

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 14 1110 | | | .3 | 1 | 0.044 | 0.014 | 0.080 | 0.580 | 0.010 | 1.550 | 1.640 | 0.500 | 2.140 | 352.0 |
| 80 02 11 1105 | | | .3 | 1 | 0.017 | 0.008 | 0.045 | 0.340 | 0.007 | 1.770 | 1.822 | 0.295 | 2.117 | 414.0 |
| 80 03 17 1125 | | | .3 | 1 | 0.024 | 0.008 | 0.055 | 0.350 | 0.009 | 1.560 | 1.624 | 0.295 | 1.919 | 394.0 |
| 80 04 14 1130 | | | .3 | 1 | 0.043 | 0.005 | 0.020 | 0.460 | 0.008 | 1.060 | 1.088 | 0.440 | 1.528 | 300.0 |
| 80 05 20 1200 | | | .3 | 1 | 0.027 | 0.002 | 0.025 | 0.520 | 0.008 | 0.790 | 0.823 | 0.495 | 1.318 | 332.0 |
| 80 06 16 1140 | | | .3 | 1 | 0.021 | 0.003 | 0.030 | 0.500 | 0.011 | 0.700 | 0.741 | 0.470 | 1.211 | 406.0 |
| 80 07 14 1200 | | | .3 | 1 | 0.022 | 0.005 | 0.050 | 0.44 | 0.007 | 0.30 | 0.357 | 0.390 | 0.747 | 451 |
| 80 08 18 1115 | | | .3 | 1 | 0.014 | 0.003 | 0.030 | 0.350 | 0.003 | 0.220 | 0.253 | 0.320 | 0.573 | 406.1 |
| 80 09 15 1115 | | | .3 | 1 | 0.015 | 0.001 | 0.020 | 0.36 | 0.006 | 0.50 | 0.526 | 0.340 | 0.866 | 415.2 |
| 80 10 20 1115 | | | .3 | 1 | 0.021 | 0.003 | 0.015 | 0.47 | 0.005 | 0.66 | 0.680 | 0.455 | 1.135 | 374.0 |
| 80 11 17 1115 | | | .3 | 1 | 0.012 | 0.002 | 0.010 | 0.420 | 0.003 | 0.850 | 0.863 | 0.410 | 1.273 | 345.2 |
| 80 12 15 1120 | | | .3 | 1 | 0.018 | 0.004 | 0.025 | 0.380 | 0.006 | 1.390 | 1.421 | 0.355 | 1.776 | 330.2 |
| MAXIMUM | | | | | **0.044** | **0.014** | **0.080** | **0.580** | **0.011** | **1.770** | **1.822** | **0.500** | **2.140** | **451** |
| ARITH MEAN | | | | | **0.023** | **0.005** | **0.034** | **0.43** | **0.007** | **0.94** | **0.986** | **0.397** | **1.384** | **376** |
| GEOM MEAN | | | | | **0.021** | **0.004** | **0.029** | **0.42** | **0.006** | **0.79** | **0.842** | **0.390** | **1.284** | **374** |
| MINIMUM | | | | | **0.012** | **0.001** | **0.010** | **0.340** | **0.003** | **0.220** | **0.253** | **0.295** | **0.573** | **300.0** |
| STD DEV | | | | | **0.010** | **0.004** | **0.020** | **0.07** | **0.003** | **0.51** | **0.529** | **0.076** | **0.523** | **44** |
| NO OF SAMPLES | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 14 1110 | | | .3 | 1 | 24.0 | 328.0 | 466.0 | 9.80 | 8.500 | |
| 80 02 11 1105 | | | .3 | 1 | 4.5 | 409.5 | 620.0 | 2.50 | 9.000 | |
| 80 03 17 1125 | | | .3 | 1 | 13.0 | 381.0 | 620.0 | 9.10 | 11.500 | |
| 80 04 14 1130 | | | .3 | 1 | 26.5 | 273.5 | 427.0 | 8.20 | 7.500 | |
| 80 05 20 1200 | | | .3 | 1 | 9.0 | 323.0 | 497.0 | 7.50 | 8.000 | |
| 80 06 16 1140 | | | .3 | 1 | 9.0 | 397.0 | 550.0 | 6.80 | 9.000 | 8.34 |
| 80 07 14 1200 | | | .3 | 1 | 10.4 | 441 | 550 | 1.7 | 9.5 | |
| 80 08 18 1115 | | | .3 | 1 | 8.3 | 397.8 | 540.0 | 4.40 | 9.500 | 8.37 |
| 80 09 15 1115 | | | .3 | 1 | 6.8 | 408.4 | 585 | 5.0 | 10.5 | 8.32 |
| 80 10 20 1115 | | | .3 | 1 | 5.8 | 368.2 | 560 | 3.7 | 9.0 | 8.32 |
| 80 11 17 1115 | | | .3 | 1 | 4.5 | 340.7 | 540.0 | 2.00 | 9.000 | 8.33 |
| 80 12 15 1120 | | | .3 | 1 | 6.7 | 323.5 | 500.0 | 3.20 | 8.000 | 8.12 |
| MAXIMUM | | | | | **26.5** | **441** | **620.0** | **9.80** | **11.500** | **8.37** |
| ARITH MEAN | | | | | **10.7** | **366** | **537** | **5.3** | **9.0** | **8.30** |
| GEOM MEAN | | | | | **9.1** | **362** | **535** | **4.5** | **9.0** | **8.30** |
| MINIMUM | | | | | **4.5** | **273.5** | **427.0** | **1.7** | **7.500** | **8.12** |
| STD DEV | | | | | **7.2** | **48** | **58** | **2.8** | **1.1** | **0.09** |
| NO OF SAMPLES | | | | | **12** | **12** | **12** | **12** | **12** | **6** |

B O W / SITE **NORTH SAUGEEN RIVER**
SAMPLE POINT **AT ELDERSLIE TOWNSHIP ROAD 25 AND 26**
STATION TYPE **RIVER FLOW GAUGE FED 02FC013**
MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SAUGEEN RIVER**
STATION ID **08-0123-009-02**
STORET CODE **02**
**002**
**1260**
LAT LONG U T M **17 0490350.0 4904500.0 4** REGION **01** DISTANCE **55.360**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 01 14 1130 | | | .3 | 1 | 32506 | 4 | 4.800 | 96 | 700 | 48 | 12 | 4< | 0.5 | 12.0 |
| 80 02 11 1140 | | | .3 | 1 | 52714 | 4 | 1.810 | 1000 | 1000 | 220 | 70I | 4< | 0.0 | 12.5 |
| 80 03 17 1200 | | | .3 | 1 | 32541 | 4 | 4.000 | 1400 | 3100 | 432 | 384 | 4< | 1.0 | 11.0 |
| 80 04 14 1200 | | | .3 | 1 | 32558 | 6 | 14.000 | | | | | | 5.0 | 12.0 |
| 80 05 20 1300 | | | .3 | 1 | 32575 | 6 | 6.170 | | | | | | 17.0 | 14.0 |
| 80 06 16 1210 | | | .3 | 1 | 32592 | 6 | 3.470 | 324C | 1044 | 280 | 52 | 4< | 17.0 | 16.0 |
| 80 07 14 1305 | | | .3 | 1 | 32609 | 6 | 2.670 | 1500 | 22000 | 380 | 192 | 4< | 23.0 | 14.0 |
| 80 08 18 1135 | | | .3 | 1 | 32626 | 6 | 2.770 | | | | | | 20.0 | 10.5 |
| 80 09 15 1145 | | | .3 | 1 | 32643 | 6 | 2.420 | 2600C | 31000 | 224 | 208 | 24 | 15.0 | 12.0 |
| 80 10 20 1155 | | | .3 | 1 | 32660 | 6 | 4.030 | 560 | 1670 | 100 | 328 | 4< | 7.0 | 12.5 |
| 80 11 17 1155 | | | .3 | 1 | 32676 | 6 | 4.150 | 440 | 520 | 228 | 52 | 4 | 2.0 | 13.5 |
| 80 12 15 1145 | | | .3 | 1 | 32693 | 6 | 4.950 | | | | | | 0.0 | 12.5 |
| MAXIMUM | | | | | | | **14.000** | **2600** | **31000** | **432** | **384** | **24** | **23.0** | **16.0** |
| ARITH MEAN | | | | | | | **4.603** | **990** | **7629** | **239** | **162** | **6L** | **9.0** | **12.7** |
| GEOM MEAN | | | | | | | **3.972** | **673** | **2460** | **199** | **102** | **5L** | **4.5** | **12.6** |
| MINIMUM | | | | | | | **1.810** | **96** | **520** | **48** | **12** | **4<** | **0.0** | **10.5** |
| STD DEV | | | | | | | **3.202** | **824** | **11920** | **128** | **139** | **7L** | **8.8** | **1.5** |
| NO OF SAMPLES | | | | | | | **12** | **8** | **8** | **8** | **8** | **8** | **12** | **12** |

(CONTD)

| | | | | TEST-NAME: | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 01 14 1130 | | | .3 | 1 | 0.5 | 0.015 | 0.008 | 0.030 | 0.310 | 0.003 | 0.860 | 0.893 | 0.280 | 1.173 |
| 80 02 11 1140 | | | .3 | 1 | 0.2 | 0.022 | 0.012 | 0.045 | 0.290 | 0.004 | 1.010 | 1.059 | 0.245 | 1.304 |
| 80 03 17 1200 | | | .3 | 1 | 1.0 | 0.079 | 0.045 | 0.160 | 0.420 | 0.008 | 1.130 | 1.298 | 0.260 | 1.558 |
| 80 04 14 1200 | | | .3 | 1 | 0.5 | 0.016 | 0.002 | 0.020 | 0.250 | 0.003 | 0.570 | 0.593 | 0.230 | 0.823 |
| 80 05 20 1300 | | | .3 | 1 | 0.1< | 0.028 | 0.003 | 0.015 | 0.400 | 0.004 | 0.460 | 0.479 | 0.385 | 0.864 |
| 80 06 16 1210 | | | .3 | 1 | 0.4 | 0.023 | 0.006 | 0.020 | 0.380 | 0.005 | 0.350 | 0.375 | 0.360 | 0.735 |
| 80 07 14 1305 | | | .3 | 1 | 0.3 | 0.027 | 0.005 | 0.035 | 0.39 | 0.005 | 0.22 | 0.260 | 0.355 | 0.615 |
| 80 08 18 1135 | | | .3 | 1 | 0.5 | 0.014 | 0.006 | 0.035 | 0.340 | 0.005 | 0.250 | 0.290 | 0.305 | 0.595 |
| 80 09 15 1145 | | | .3 | 1 | 0.6 | 0.022 | 0.006 | 0.015 | 0.32 | 0.004 | 0.37 | 0.389 | 0.305 | 0.694 |
| 80 10 20 1155 | | | .3 | 1 | 0.8 | 0.021 | 0.002 | 0.010 | 0.36 | 0.002 | 0.40 | 0.412 | 0.350 | 0.762 |
| 80 11 17 1155 | | | .3 | 1 | 1.1 | 0.011 | 0.001 | 0.025 | 0.320 | 0.002 | 0.550 | 0.577 | 0.295 | 0.872 |
| 80 12 15 1145 | | | .3 | 1 | 1.2 | 0.023 | 0.011 | 0.040 | 0.400 | 0.003 | 0.890 | 0.933 | 0.360 | 1.293 |
| MAXIMUM | | | | | 1.2 | 0.079 | 0.045 | 0.160 | 0.420 | 0.008 | 1.130 | 1.298 | 0.385 | 1.558 |
| ARITH MEAN | | | | | 0.6L | 0.026 | 0.009 | 0.037 | 0.34 | 0.004 | 0.58 | 0.630 | 0.311 | 0.941 |
| GEOM MEAN | | | | | 0.5L | 0.022 | 0.005 | 0.028 | 0.34 | 0.004 | 0.51 | 0.556 | 0.307 | 0.897 |
| MINIMUM | | | | | 0.1< | 0.011 | 0.001 | 0.010 | 0.250 | 0.002 | 0.22 | 0.260 | 0.230 | 0.595 |
| STD DEV | | | | | 0.4L | 0.018 | 0.012 | 0.040 | 0.05 | 0.002 | 0.30 | 0.336 | 0.051 | 0.313 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| | | | | TEST-NAME: | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 14 1130 | | | .3 | 1 | 212.0 | 11.0 | 201.0 | 445.0 | 3.90 | 4.000 | |
| 80 02 11 1140 | | | .3 | 1 | 310.0 | 8.5 | 301.5 | 479.0 | 5.50 | 4.500 | |
| 80 03 17 1200 | | | .3 | 1 | 292.0 | 29.0 | 263.0 | 452.0 | 27.00 | 7.500 | |
| 80 04 14 1200 | | | .3 | 1 | 258.0 | 12.0 | 253.000 | 389.0 | 4.50 | 4.500 | |
| 80 05 20 1300 | | | .3 | 1 | 274.0 | 20.0 | 254.0 | 422.0 | 2.70 | 4.000 | |
| 80 06 16 1210 | | | .3 | 1 | 296.0 | 10.0 | 287.0 | 412.0 | 5.40 | 4.500 | 8.55 |
| 80 07 14 1305 | | | .3 | 1 | 280 | 7.9 | 272 | 406 | 2.0 | 4.5 | |
| 80 08 18 1135 | | | .3 | 1 | 274.3 | 8.3 | 266.0 | 1340.0 | 4.00 | 4.500 | 8.39 |
| 80 09 15 1145 | | | .3 | 1 | 272.6 | 4.4 | 268.2 | 434 | 3.5 | 4.5 | 8.44 |
| 80 10 20 1155 | | | .3 | 1 | 276.6 | 3.2 | 273.4 | 443 | 2.3 | 3.5 | 8.39 |
| 80 11 17 1155 | | | .3 | 1 | 269.0 | 3.8 | 265.2 | 448.0 | 1.20 | 4.500 | 8.41 |
| 80 12 15 1145 | | | .3 | 1 | 329.5 | 3.1 | 326.4 | 510.0 | 1.40 | 6.000 | 8.34 |
| MAXIMUM | | | | | 329.5 | 29.0 | 326.4 | 1340.0 | 27.00 | 7.500 | 8.55 |
| ARITH MEAN | | | | | 278 | 10.1 | 269 | 516 | 5.2 | 4.7 | 8.42 |
| GEOM MEAN | | | | | 277 | 8.0 | 267 | 481 | 3.5 | 4.6 | 8.42 |
| MINIMUM | | | | | 212.0 | 3.1 | 201.0 | 389.0 | 1.20 | 3.5 | 8.34 |
| STD DEV | | | | | 28 | 7.6 | 29 | 261 | 6.9 | 1.0 | 0.07 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 6 |

| | | |
|---|---|---|
| B.O.W./ SITE: **OTTER CREEK**<br>SAMPLE POINT: **AT BRUCE COUNTY ROAD 16 NORTH OF MILDMAY**<br>STATION TYPE: **RIVER FLOW GAUGE MOE 02FC108** | MAJOR BASIN **GREAT LAKES**<br>MINOR BASIN **LAKE HURON**<br>TERM STREAM **SAUGEEN RIVER** | STATION ID: **08-0123-010-02**<br>STORET CODE: **02**<br>**002**<br>**1260** |
| LAT. LONG. | U T M **17 0489800.0 4873375.0 4** | REGION **01** DISTANCE **87.868** |

| | | | | TEST-NAME: | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 14 0845 | | | .3 | 1 | 32500 | 6 | 336 | 804 | 152 | 288 | 4< | 2.0 | 12.0 | 0.6 |
| 80 02 11 0900 | | | .3 | 1 | 52708 | 6 | 400 | 150 | 240 | 10I | 4< | 1.5 | 11.5 | 0.3 |
| 80 03 17 0905 | | | .3 | 1 | 32535 | 6 | 8400 | 17400 | 600> | 600> | 8C | 2.5 | 9.5 | 3.0 |
| 80 04 14 0905 | | | .3 | 1 | 32552 | 6 | | | | | | 4.5 | 11.0 | 0.2 |
| 80 05 20 0905 | | | .3 | 1 | 32569 | 6 | | | | | | 12.0 | 13.0 | 0.1 |
| 80 06 16 0905 | | | .3 | 1 | 32586 | 6 | 670C | 2200 | 300 | 140 | 4< | 10.0 | 13.5 | 0.1 |
| 80 07 14 0940 | | | .3 | 1 | 32603 | 6 | 1100 | 17000 | 40I | 108 | 4< | 16.0 | 14.0 | 0.3 |
| 80 08 18 0905 | | | .3 | 1 | 32620 | 6 | | | | | | 16.0 | 10.5 | 0.2< |
| 80 09 15 0850 | | | .3 | 1 | 32637 | 6 | 2800 | 17400 | 132 | 88 | 4< | 11.5 | 11.0 | 0.4 |
| 80 10 20 0850 | | | .3 | 1 | 32654 | 6 | 1100 | 7000 | 236 | 600> | 4< | 6.0 | 11.0 | 0.7 |
| 80 11 17 0850 | | | .3 | 1 | 32670 | 6 | 180 | 1100 | 44 | 20I | 4< | 2.0 | 12.0 | 1.2 |
| 80 12 15 0900 | | | .3 | 1 | 32687 | 6 | | | | | | 0.0 | 12.0 | 0.9 |
| MAXIMUM | | | | | | | 8400 | 17400 | 600> | 600> | 8 | 16.0 | 14.0 | 3.0 |
| ARITH MEAN | | | | | | | 1873 | 7682 | 216G | 232G | 4L | 7.0 | 11.7 | 0.7L |
| GEOM MEAN | | | | | | | 908 | 3182 | 157G | 114G | 4L | 4.8 | 11.7 | 0.4L |
| MINIMUM | | | | | | | 180 | 150 | 40 | 10 | 4< | 0.0 | 9.5 | 0.1< |
| STD DEV | | | | | | | 2765 | 8047 | 180G | 243G | 1L | 5.8 | 1.3 | 0.8L |
| NO OF SAMPLES | | | | | | | 8 | 8 | 8 | 8 | 8 | 12 | 12 | 12 |

| | | | | TEST-NAME: | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 14 0845 | | | .3 | 1 | 0.034 | 0.014 | 0.055 | 0.440 | 0.011 | 2.940 | 3.006 | 0.385 | 3.391 | 268.0 |
| 80 02 11 0900 | | | .3 | 1 | 0.024 | 0.008 | 0.020 | 0.240 | 0.007 | 2.890 | 2.917 | 0.220 | 3.137 | 386.0 |
| 80 03 17 0905 | | | .3 | 1 | 0.176 | 0.016 | 0.345 | 1.580 | 0.017 | 2.430 | 2.792 | 1.235 | 4.027 | 416.0 |
| 80 04 14 0905 | | | .3 | 1 | 0.019 | 0.006 | 0.015 | 0.270 | 0.007 | 2.440 | 2.462 | 0.255 | 2.717 | 322.0 |
| 80 05 20 0905 | | | .3 | 1 | 0.024 | 0.009 | 0.040 | 0.460 | 0.014 | 1.840 | 1.894 | 0.420 | 2.314 | 334.0 |
| 80 06 16 0905 | | | .3 | 1 | 0.022 | 0.006 | 0.025 | 0.400 | 0.018 | 2.000 | 2.043 | 0.375 | 2.418 | 406.0 |
| 80 07 14 0940 | | | .3 | 1 | 0.024 | 0.006 | 0.025 | 0.35 | 0.013 | 1.82 | 1.858 | 0.325 | 2.183 | 402 |
| 80 08 18 0905 | | | .3 | 1 | 0.017 | 0.008 | 0.015 | 0.280 | 0.007 | 1.680 | 1.702 | 0.265 | 1.967 | 387.1 |
| 80 09 15 0850 | | | .3 | 1 | 0.035 | 0.013 | 0.020 | 0.39 | 0.008 | 1.65 | 1.678 | 0.370 | 2.048 | 354.6 |
| 80 10 20 0850 | | | .3 | 1 | 0.026 | 0.007 | 0.015 | 0.46 | 0.010 | 1.63 | 1.655 | 0.445 | 2.100 | 375.8 |
| 80 11 17 0850 | | | .3 | 1 | 0.016 | 0.008 | 0.025 | 0.400 | 0.009 | 1.970 | 2.004 | 0.375 | 2.379 | 382.9 |
| 80 12 15 0900 | | | .3 | 1 | 0.054 | 0.013 | 0.030 | 0.520 | 0.008 | 2.400 | 2.438 | 0.490 | 2.928 | 392.0 |
| MAXIMUM | | | | | 0.176 | 0.016 | 0.345 | 1.580 | 0.018 | 2.940 | 3.006 | 1.235 | 4.027 | 416.0 |
| ARITH MEAN | | | | | 0.039 | 0.009 | 0.052 | 0.48 | 0.011 | 2.14 | 2.204 | 0.430 | 2.634 | 369 |
| GEOM MEAN | | | | | 0.030 | 0.009 | 0.030 | 0.42 | 0.010 | 2.09 | 2.155 | 0.386 | 2.572 | 366 |
| MINIMUM | | | | | 0.016 | 0.006 | 0.015 | 0.240 | 0.007 | 1.63 | 1.655 | 0.220 | 1.967 | 268.0 |
| STD DEV | | | | | 0.044 | 0.004 | 0.093 | 0.35 | 0.004 | 0.46 | 0.499 | 0.266 | 0.629 | 42 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

(CONTD)

B.O.W./ SITE: **OTTER CREEK**
SAMPLE POINT: **AT BRUCE COUNTY ROAD 16 NORTH OF MILDMAY**
STATION TYPE: **RIVER FLOW GAUGE MOE 02FC100**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SAUGEEN RIVER**

STATION ID: **08-0123-010-02**
STORET CODE: **02**
**002**
**1260**

LAT LONG U T M: **17 0489800.0 4873375.0 4** REGION **01** DISTANCE: **87.868**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF REAC MG/L AS CL | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
| 80 01 14 0845 | | | 3 | 1 | 8.0 | 260.0 | 530.0 | 4.20 | 9.500 | |
| 80 02 11 0900 | | | 3 | 1 | 10.0 | 376.0 | 630.0 | 2.50 | 9.500 | |
| 80 03 17 0905 | | | 3 | 1 | 92.0 | 324.0 | 538.0 | 27.00 | 28.000 | |
| 80 04 14 0905 | | | 3 | 1 | 7.0 | 315.0 | 510.0 | 1.90 | 9.000 | |
| 80 05 20 0905 | | | 3 | 1 | 1.5 | 332.5 | 492.0 | 1.70 | 8.500 | |
| 80 06 16 0905 | | | 3 | 1 | 7.0 | 399.0 | 560.0 | 3.40 | 9.000 | 8.19 |
| 80 07 14 0940 | | | 3 | 1 | 8.4 | 394 | 560 | 1.2 | 10.5 | |
| 80 08 18 0905 | | | 3 | 1 | 2.2 | 384.9 | 570.0 | 1.00 | 11.000 | 8.10 |
| 80 09 15 0850 | | | 3 | 1 | 5.3 | 349.3 | 580 | 1.5 | 10.0 | 8.19 |
| 80 10 20 0850 | | | 3 | 1 | 4.8 | 371.0 | 595 | 2.6 | 11.0 | 8.03 |
| 80 11 17 0850 | | | 3 | 1 | 3.1 | 379.8 | 600.0 | 1.30 | 12.500 | 8.12 |
| 80 12 15 0900 | | | 3 | 1 | 26.0 | 366.0 | 580.0 | 7.20 | 11.500 | 8.11 |
| MAXIMUM | | | | | 92.0 | 399.0 | 630.0 | 27.00 | 28.000 | 8.19 |
| ARITH MEAN | | | | | 14.6 | 354 | 562 | 4.6 | 11.6 | 8.12 |
| GEOM MEAN | | | | | 7.2 | 352 | 560 | 2.6 | 11.0 | 8.12 |
| MINIMUM | | | | | 1.5 | 260.0 | 492.0 | 1.00 | 8.500 | 8.03 |
| STD DEV | | | | | 25.2 | 40 | 39 | 7.2 | 5.2 | 0.06 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 6 |

B.O.W./ SITE **SAUGEEN RIVER**
SAMPLE POINT **DURHAM CONSERVATION AREA**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SAUGEEN RIVER**

STATION ID **08-0123-015-02**
STORET CODE **02**
**002**
**1260**

LAT LONG U T M **17 0516050.0 4891650.0 4** REGION **01** DISTANCE **131.158**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
| 80 01 15 0955 | | | 3 | 1 | 32515 | 6 | 148C | 2560 | 60 | 260 | 4< | 0.0 | 12.0 | 1.3 |
| 80 02 12 1000 | | | 3 | 1 | 52723 | 4 | 10< | 10< | 10< | 30< | 4< | 0.0 | 12.5 | 0.3 |
| 80 03 18 1030 | | | 3 | 1 | 32550 | 6 | 4< | 32 | 4< | 28 | 4< | 1.0 | 12.0 | 0.3 |
| 80 04 15 1020 | | | 3 | 1 | 32567 | 3 | 1000< | 1000 | 100< | 100< | 4< | 3.0 | 12.0 | 0.4 |
| 80 05 21 0955 | | | 3 | 1 | 32584 | 6 | | | | | | 14.0 | 13.0 | 0.5 |
| 80 06 17 0955 | | | 3 | 1 | 32601 | 6 | 72C | 4100 | 72 | 28 | 4< | 14.0 | 13.0 | 0.4 |
| 80 07 15 1010 | | | 3 | 1 | 32618 | 6 | 42000> | 240000> | 600> | 600> | 4< | 20.0 | 11.0 | 0.7 |
| 80 08 19 1010 | | | 3 | 1 | 32635 | 6 | 200I | 19200 | 40I | 4< | 4< | 17.0 | 10.5 | 0.9 |
| 80 09 16 0925 | | | 3 | 1 | 32652 | 6 | 1500 | 11000 | 48 | 52 | 4< | 12.0 | 10.5 | 0.4 |
| 80 10 21 1015 | | | 3 | 1 | 32669 | 6 | 210 | 1850 | 20 | 28 | 4< | 7.0 | 12.0 | 0.6 |
| 80 11 18 1010 | | | 3 | 1 | 32685 | 6 | | | | | | 0.0 | 12.0 | 1.2 |
| 80 12 15 1050 | | | 3 | 1 | 32702 | 6 | | | | | | 0.0 | 12.0 | 0.6 |
| MAXIMUM | | | | | | | 42000> | 240000> | 600> | 600> | 4 | 20.0 | 13.0 | 1.3 |
| ARITH MEAN | | | | | | | 60168 | 310848 | 106B | 126B | 4L | 7.3 | 11.9 | 0.6 |
| GEOM MEAN | | | | | | | 2188 | 18958 | 428 | 518 | 4L | 4.0 | 11.8 | 0.6 |
| MINIMUM | | | | | | | 4< | 10< | 4< | 4< | 4< | 0.0 | 10.5 | 0.3 |
| STD DEV | | | | | | | 138798 | 785988 | 188B | 194B | 0L | 7.6 | 0.8 | 0.3 |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 9 | 12 | 12 | 12 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
| 80 01 15 0955 | | | 3 | 1 | 0.017 | 0.002 | 0.025 | 0.430 | 0.006 | 0.630 | 0.661 | 0.405 | 1.066 | 206.0 |
| 80 02 12 1000 | | | 3 | 1 | 0.003 | 0.001 | 0.005 | 0.220 | 0.002 | 1.010 | 1.017 | 0.215 | 1.232 | 302.0 |
| 80 03 18 1030 | | | 3 | 1 | 0.002 | 0.001 | 0.055 | 0.290 | 0.006 | 1.020 | 1.081 | 0.235 | 1.316 | 250.0 |
| 80 04 15 1020 | | | 3 | 1 | 0.010 | 0.002 | 0.015 | 0.280 | 0.002 | 0.290 | 0.307 | 0.265 | 0.572 | 208.0 |
| 80 05 21 0955 | | | 3 | 1 | 0.016 | 0.004 | 0.025 | 0.490 | 0.002 | 0.210 | 0.237 | 0.465 | 0.702 | 246.0 |
| 80 06 17 0955 | | | 3 | 1 | 0.004 | 0.001< | 0.005 | 0.360 | 0.001 | 0.310 | 0.316 | 0.355 | 0.671 | 286.0 |
| 80 07 15 1010 | | | 3 | 1 | 0.022 | 0.002 | 0.080 | 0.53 | 0.007 | 0.38 | 0.467 | 0.450 | 0.917 | 254 |
| 80 08 19 1010 | | | 3 | 1 | 0.011 | 0.001< | 0.030 | 0.510 | 0.002 | 0.340 | 0.372 | 0.480 | 0.852 | 265.2 |
| 80 09 16 0925 | | | 3 | 1 | 0.009 | 0.001 | 0.005 | 0.43 | 0.002 | 0.38 | 0.387 | 0.425 | 0.812 | 278.4 |
| 80 10 21 1015 | | | 3 | 1 | 0.009 | 0.001 | 0.005 | 0.47 | 0.001 | 0.14 | 0.146 | 0.465 | 0.611 | 280.8 |
| 80 11 18 1010 | | | 3 | 1 | 0.006 | 0.001< | 0.005 | 0.360 | 0.001 | 0.300 | 0.306 | 0.355 | 0.661 | 277.4 |
| 80 12 15 1050 | | | 3 | 1 | 0.008 | 0.001 | 0.010 | 0.320 | 0.001 | 0.430 | 0.441 | 0.310 | 0.751 | 264.9 |
| MAXIMUM | | | | | 0.022 | 0.004 | 0.080 | 0.53 | 0.007 | 1.020 | 1.081 | 0.480 | 1.316 | 302.0 |
| ARITH MEAN | | | | | 0.010 | 0.001L | 0.022 | 0.39 | 0.003 | 0.45 | 0.478 | 0.369 | 0.847 | 259 |
| GEOM MEAN | | | | | 0.008 | 0.001L | 0.014 | 0.37 | 0.002 | 0.38 | 0.409 | 0.356 | 0.818 | 258 |
| MINIMUM | | | | | 0.002 | 0.001< | 0.005 | 0.220 | 0.001 | 0.14 | 0.146 | 0.215 | 0.572 | 206.0 |
| STD DEV | | | | | 0.006 | 0.001L | 0.024 | 0.10 | 0.002 | 0.28 | 0.296 | 0.094 | 0.243 | 29 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | ARSENIC UNF.TOT. MG/L AS AS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | ALKT | PH | PHNOL | FEUT | ASUT |
| 80 01 15 0955 | | | 3 | 1 | 6.5 | 227.000 | 349.0 | 2.00 | 5.000 | | | | | |
| 80 02 12 1000 | | | 3 | 1 | 2.0 | 300.0 | 475.0 | 0.55 | 6.000 | | | | | |
| 80 03 18 1030 | | | 3 | 1 | 0.5 | 249.5 | 440.0 | 7.60 | 6.500 | | | | | |
| 80 04 15 1020 | | | 3 | 1 | 2.0 | 216.000 | 322.0 | 2.50 | 3.500 | | | | | |
| 80 05 21 0955 | | | 3 | 1 | 5.0 | 241.0 | 404.0 | 1.70 | 5.000 | | | | | |
| 80 06 17 0955 | | | 3 | 1 | 0.5 | 285.5 | 410.0 | 1.00 | 5.500 | | 8.32 | | | |
| 80 07 15 1010 | | | 3 | 1 | 6.3 | 241 | 380 | 2.0 | 5.5 | | | | | |
| 80 08 19 1010 | | | 3 | 1 | 2.3 | 262.9 | 430.0 | 2.00 | 6.000 | | 8.15 | | | |
| 80 09 16 0925 | | | 3 | 1 | 2.3 | 276.1 | 441 | 1.2 | 6.5 | | 8.31 | | | |
| 80 10 21 1015 | | | 3 | 1 | 1.3 | 279.5 | 448 | 1.0 | 5.0 | 237 | 8.25 | 1.0 < | 0.077 | 0.001< |
| 80 11 18 1010 | | | 3 | 1 | 1.7 | 275.7 | 445.0 | 0.85 | 6.000 | 232.0 | 8.26 | 1.500 | 0.030 | 0.001< |
| 80 12 15 1050 | | | 3 | 1 | 3.4 | 261.5 | 413.0 | 0.80 | 5.000 | | 8.20 | | 0.14 | 0.001< |

(CONTD)

| | | | TEST-NAME: | | RSP | RSF | COND25 | TURB | CLIDUR | ALKT | PH | PHNOL | FEUT | ASUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | ARSENIC UNF.TOT. MG/L AS AS |
| MAXIMUM | | | | | 8.5 | 300.0 | 475.0 | 7.60 | 8.500 | 237 | 8.32 | 1.500 | 0.14 | 0.001 |
| ARITH MEAN | | | | | 2.8 | 259 | 413 | 1.9 | 5.4 | 234 | 8.25 | 1.2 L | 0.08 | 0.001L |
| GEOM MEAN | | | | | 2.1 | 258 | 410 | 1.4 | 5.3 | 234 | 8.25 | 1.2 L | 0.06 | 0.001L |
| MINIMUM | | | | | 0.5 | 218.000 | 322.0 | 0.55 | 3.500 | 232.0 | 8.15 | 1.0 < | 0.030 | 0.001< |
| STD DEV | | | | | 2.1 | 25 | 44 | 1.8 | 0.8 | 3 | 0.06 | 0.3 L | 0.05 | 0.000L |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 2 | 6 | 2 | 3 | 3 |

| | | | TEST-NAME: | | CRUT | CUUT | PBUT | CDUT | NIUT | CCNAUR | P1PCBT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | NICKEL UNF.TOT. MG/L AS NI | CYANIDE AVAIL UNF.REAC MG/L AS HCN | PCB TOTAL UG/L |
| 80 10 21 1015 | | | .3 | 1 | 0.002< | 0.003 | 0.003< | 0.0002< | 0.002< | 0.01< | 0.020R |
| 80 11 18 1010 | | | .3 | 1 | 0.002< | 0.003 | 0.003< | 0.0002< | 0.003 | 0.01< | 0.020R |
| 80 12 15 1050 | | | .3 | 1 | 0.002< | 0.0009 | 0.003< | | | 0.01< | 0.020R |
| MAXIMUM | | | | | 0.002 | 0.003 | 0.003 | 0.0002 | 0.003 | 0.01 | |
| ARITH MEAN | | | | | 0.002L | 0.002 | 0.003L | 0.0002L | 0.002L | 0.01L | |
| GEOM MEAN | | | | | 0.002L | 0.002 | 0.003L | 0.0002L | 0.002L | 0.01L | |
| MINIMUM | | | | | 0.002< | 0.0009 | 0.003< | 0.0002< | 0.002< | 0.01< | |
| STD DEV | | | | | 0.000L | 0.001 | 0.000L | 0.0000L | 0.001L | 0.00L | |
| NO OF SAMPLES | | | | | 3 | 3 | 3 | 2 | 2 | 3 | |

B O W / SITE **SOUTH SAUGEEN RIVER**
SAMPLE POINT **AT WELLINGTON COUNTY ROAD 9**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SAUGEEN RIVER**

STATION ID **08-0123-016-02**

STORET CODE **02**
**002**
**1260**

LAT LONG U T M **17 0518675.0 4866600.0 4** REGION **02** DISTANCE **132.284**

| | | | TEST-NAME: | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 15 1100 | | | .3 | 1 | 32516 | 6 | 440C | 3200 | 40 | 192 | 4< | 0.0 | 12.0 | 1.1 |
| 80 02 12 1050 | | | .3 | 1 | 52724 | 4 | 10 | 20 | 10< | 10< | 4< | 0.0 | 12.0 | 0.4 |
| 80 03 18 1105 | | | .3 | 1 | 32551 | 6 | 584C | 4960 | 108 | 580 | 4< | 1.0 | 12.0 | 0.2 |
| 80 04 15 1050 | | | .3 | 1 | 32568 | 3 | 830 | 2300 | 132 | 600> | 4< | 3.0 | 12.0 | 0.3 |
| 80 05 21 1030 | | | .3 | 1 | 32585 | 6 | | | | | | 16.0 | 13.0 | 0.8 |
| 80 06 17 1045 | | | .3 | 1 | 32602 | 6 | 460C | 2900 | 168 | 24 | 4< | 15.0 | 15.0 | 0.6 |
| 80 07 15 1105 | | | .3 | 1 | 32619 | 6 | | | | | | 21.0 | 11.0 | 0.7 |
| 80 08 19 1050 | | | .3 | 1 | 32636 | 6 | | | | | | 20.0 | 10.0 | 0.9 |
| 80 09 16 1030 | | | .3 | 1 | 32653 | 6 | 330C | 3400 | 44 | 20 | 4< | 13.0 | 10.5 | 0.8 |
| 80 10 21 1100 | | | .3 | 1 | 32670 | 6 | 380 | 1750 | 64 | 248 | 4< | 6.0 | 11.5 | 1.0 |
| 80 11 18 1055 | | | .3 | 1 | 32686 | 6 | | | | | | 0.0 | 13.5 | 1.4 |
| 80 12 15 1120 | | | .3 | 1 | 32703 | 6 | | | | | | 0.0 | 12.0 | 0.8 |
| MAXIMUM | | | | | | | 830 | 4960 | 168 | 600> | 4 | 21.0 | 15.0 | 1.4 |
| ARITH MEAN | | | | | | | 433 | 2647 | 81L | 239B | 4L | 7.9 | 12.0 | 0.7 |
| GEOM MEAN | | | | | | | 278 | 1436 | 60L | 97B | 4L | 4.1 | 12.0 | 0.7 |
| MINIMUM | | | | | | | 10 | 20 | 10< | 10< | 4< | 0.0 | 10.0 | 0.2 |
| STD DEV | | | | | | | 250 | 1534 | 57L | 257B | 0L | 8.4 | 1.3 | 0.3 |
| NO OF SAMPLES | | | | | | | 7 | 7 | 7 | 7 | 7 | 12 | 12 | 12 |

| | | | TEST-NAME: | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 15 1100 | | | .3 | 1 | 0.019 | 0.003 | 0.065 | 0.630 | 0.008 | 0.920 | 0.993 | 0.565 | 1.558 | 214.0 |
| 80 02 12 1050 | | | .3 | 1 | 0.010 | 0.003 | 0.015 | 0.360 | 0.006 | 1.800 | 1.821 | 0.345 | 2.166 | 336.0 |
| 80 03 18 1105 | | | .3 | 1 | 0.036 | 0.011 | 0.160 | 0.620 | 0.013 | 1.680 | 1.853 | 0.460 | 2.313 | 262.0 |
| 80 04 15 1050 | | | .3 | 1 | 0.066 | 0.008 | 0.025 | 0.560 | 0.007 | 0.810 | 0.842 | 0.535 | 1.377 | 270.0 |
| 80 05 21 1030 | | | .3 | 1 | 0.022 | 0.004 | 0.040 | 0.650 | 0.004 | 0.280 | 0.324 | 0.610 | 0.934 | 276.0 |
| 80 06 17 1045 | | | .3 | 1 | 0.023 | 0.005 | 0.025 | 0.550 | 0.007 | 0.550 | 0.582 | 0.525 | 1.107 | 308.0 |
| 80 07 15 1105 | | | .3 | 1 | 0.022 | 0.002 | 0.070 | 0.70 | 0.027 | 1.53 | 1.627 | 0.630 | 2.257 | 324 |
| 80 08 19 1050 | | | .3 | 1 | 0.011 | 0.001< | 0.020 | 0.610 | 0.007 | 0.640 | 0.667 | 0.590 | 1.257 | 639.2 |
| 80 09 16 1030 | | | .3 | 1 | 0.013 | 0.001 | 0.005< | 0.53 | 0.010 | 0.96 | 0.975 | 0.525 | 1.500 | 302.1 |
| 80 10 21 1100 | | | .3 | 1 | 0.013 | 0.001 | 0.005< | 0.66 | 0.003 | 0.54 | 0.548 | 0.655 | 1.203 | 321.0 |
| 80 11 18 1055 | | | .3 | 1 | 0.009 | 0.001< | 0.005 | 0.530 | 0.002 | 0.560 | 0.567 | 0.525 | 1.092 | 285.0 |
| 80 12 15 1120 | | | .3 | 1 | 0.013 | 0.001 | 0.015 | 0.490 | 0.004 | 0.970 | 0.989 | 0.475 | 1.464 | 298.0 |
| MAXIMUM | | | | | 0.066 | 0.011 | 0.160 | 0.70 | 0.027 | 1.800 | 1.853 | 0.665 | 2.313 | 639.2 |
| ARITH MEAN | | | | | 0.021 | 0.003L | 0.037L | 0.57 | 0.008 | 0.93 | 0.982 | 0.537 | 1.519 | 319 |
| GEOM MEAN | | | | | 0.018 | 0.002L | 0.022L | 0.56 | 0.006 | 0.82 | 0.864 | 0.530 | 1.466 | 306 |
| MINIMUM | | | | | 0.009 | 0.001< | 0.005< | 0.360 | 0.002 | 0.280 | 0.324 | 0.345 | 0.934 | 214.0 |
| STD DEV | | | | | 0.016 | 0.003L | 0.044L | 0.09 | 0.007 | 0.49 | 0.518 | 0.085 | 0.475 | 106 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| | | | TEST-NAME: | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 15 1100 | | | .3 | 1 | 10.0 | 233.000 | 359.0 | 3.10 | 5.500 | |
| 80 02 12 1050 | | | .3 | 1 | 2.0 | 334.0 | 530.0 | 1.20 | 9.500 | |
| 80 03 18 1105 | | | .3 | 1 | 8.5 | 253.5 | 425.0 | 7.60 | 14.000 | |
| 80 04 15 1050 | | | .3 | 1 | 28.0 | 237.000 | 364.0 | 1.80 | 5.500 | |
| 80 05 21 1030 | | | .3 | 1 | 3.0 | 273.0 | 424.0 | 2.40 | 7.500 | |
| 80 06 17 1045 | | | .3 | 1 | 5.0 | 303.0 | 430.0 | 2.50 | 7.000 | 8.33 |
| 80 07 15 1105 | | | .3 | 1 | 2.5 | 321 | 465 | 10 | 18.5 | |
| 80 08 19 1050 | | | .3 | 1 | 0.0 | 639.2 | 850.0 | 0.25 | 6.500 | 7.45 |
| 80 09 16 1030 | | | .3 | 1 | 1.4 | 300.7 | 482 | 1.5 | 11.0 | 8.32 |
| 80 10 21 1100 | | | .3 | 1 | 2.5 | 318.5 | 499 | 1.3 | 8.0 | 8.26 |
| 80 11 18 1055 | | | .3 | 1 | 2.1 | 282.9 | 495.0 | 0.90 | 8.500 | |
| 80 12 15 1120 | | | .3 | 1 | 3.6 | 294.4 | 448.0 | 0.85 | 6.500 | 8.14 |

(CONTD)

B O W / SITE **SOUTH SAUGEEN RIVER**
SAMPLE POINT **AT WELLINGTON COUNTY ROAD 9**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SAUGEEN RIVER**

STATION ID **08-0123-016-02**
STORET CODE **02**
**002**
**1260**

LAT LONG U T M **17 0518675.0 4866600.0 4** REGION **02** DISTANCE **132.204**

| TEST-NAME: | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT / STN DIST FEET / STN BRG / SAMP DEPTH MTRS / PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| MAXIMUM | 28.0 | 839.2 | 850.0 | 10 | 18.5 | 8.33 |
| ARITH MEAN | 6.7 | 315 | 480 | 2 | 9.0 | 8.10 |
| GEOM MEAN | 3.6 | 304 | 469 | 1 | 8.4 | 8.09 |
| MINIMUM | 0.0 | 233.000 | 359.0 | 0.25 | 5.500 | 7.45 |
| STD DEV | 7.6 | 106 | 127 | 2 | 3.8 | 0.37 |
| NO OF SAMPLES | 12 | 12 | 12 | 12 | 12 | 5 |

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B O W / SITE **SAUGEEN RIVER**
SAMPLE POINT **BRUCE CO ROAD 3, NORTH OF BURGOYNE SR-6**
STATION TYPE **RIVER FLOW GAUGE FED 02FC001**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SAUGEEN RIVER**

STATION ID **08-0123-030-82**
STORET CODE **02**
**002**
**1260**

LAT LONG U T M **17 0474075.0 4922390.0 4** REGION **01** DISTANCE **11.909**

| TEST-NAME: | | | | | SAMPLE | FWFLOW | PPUT | PPO4FR | NNO3FR | COND25 | ASUT | HGUT | CRUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM FLOW M3 /S | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NO3-N FIL.REAC MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU |
| 80 01 03 0810 | | | .3 | 1 | 36800 | 67.300 | 0.030 | | | | | 0.040 | | |
| 80 01 07 0810 | | | .3 | 1 | 36801 | 40.400 | | | | | | 0.020< | | |
| 80 01 14 0810 | | | .3 | 1 | 36802 | 50.000 | | | | | | 0.020< | | 0.010 |
| 80 01 18 0810 | | | .3 | 1 | 36804 | 46.500 | 0.035 | | | | | 0.020< | | |
| 80 01 21 0810 | | | .3 | 1 | 36805 | 38.000 | 0.024 | 0.013 | 1.390 | 495.0 | | 0.030 | | 0.010< |
| 80 01 28 0820 | | | .3 | 1 | 36806 | 29.000 | | | | | | 0.020< | | |
| 80 02 04 0810 | | | .3 | 1 | 36807 | 28.100 | 0.014 | | | | | 0.020< | | |
| 80 02 11 0810 | | | .3 | 1 | 36808 | 27.500 | 0.024 | 0.011 | 1.790 | 640.0 | | 0.020< | | 0.010< |
| 80 02 18 0810 | | | .3 | 1 | 36809 | 27.200 | 0.015 | | | | | 0.020< | | |
| 80 02 25 0810 | | | .3 | 1 | 36810 | 27.800 | | | | | | 0.020< | | |
| 80 03 03 0810 | | | .3 | 1 | 36811 | 26.900 | 0.019 | 0.014 | 1.630 | 640.0 | | 0.020< | | 0.010< |
| 80 03 11 0810 | | | .3 | 1 | 36812 | 26.000 | 0.012 | | | | | 0.020< | | |
| 80 03 19 0810 | | | .3 | 1 | 36813 | 105.000 | 0.140 | | | | | 0.020< | | |
| 80 03 20 0820 | | | .3 | 1 | 36814 | 185.000 | 0.155 | 0.054 | 1.730 | 330.0 | | 0.020< | | 0.010< |
| 80 03 21 0830 | | | .3 | 1 | 36815 | 328.000 | 0.320 | | | | | | | |
| 80 03 22 0820 | | | .3 | 1 | 36816 | 372.000 | 0.173 | | | | | 0.020< | | |
| 1620 | | | .3 | 1 | 36817 | 372.000 | 0.222 | 0.063 | 1.420 | 280.0 | | 0.020< | | 0.010< |
| 80 03 23 0900 | | | .3 | 1 | 36818 | 362.000 | 0.120 | | | | | 0.020< | | |
| 1600 | | | .3 | 1 | 36819 | 362.000 | | | | | | 0.020< | | 0.010< |
| 80 03 24 0810 | | | .3 | 1 | 36820 | 290.000 | 0.120 | | | | | 0.020 | | |
| 80 03 26 0810 | | | .3 | 1 | 36822 | 201.000 | 0.130 | 0.033 | 1.390 | 355.0 | | 0.020< | | 0.010< |
| 80 03 27 1045 | | | .3 | 1 | 36823 | 184.000 | 0.138 | | | | | 0.020< | | |
| 80 03 28 0810 | | | .3 | 1 | 36824 | 208.000 | 0.103 | | | | | 0.020< | | |
| 80 03 29 0830 | | | .3 | 1 | 36825 | 250.000 | 0.143 | 0.033 | 1.390 | 340.0 | | 0.020< | | 0.010< |
| 80 03 30 0900 | | | .3 | 1 | 36826 | 288.000 | 0.163 | | | | | 0.020< | | |
| 80 03 31 0810 | | | .3 | 1 | 36827 | 283.000 | 0.108 | | | | | 0.020< | | |
| 80 04 01 0810 | | | .3 | 1 | 36828 | 268.000 | 0.099 | | | | | 0.020< | | |
| 80 04 02 0810 | | | .3 | 1 | 36829 | 244.000 | 0.088 | 0.033 | 1.060 | 345.0 | | 0.020< | | 0.010< |
| 80 04 03 1115 | | | .3 | 1 | 36830 | 227.000 | 0.061 | | | | 0.001 | 0.020< | 0.020< | 0.010< |
| 80 04 04 1015 | | | .3 | 1 | 36831 | 280.000 | 0.105 | 0.016 | 0.990 | 340.0 | | 0.020< | | 0.010< |
| 80 04 05 0915 | | | .3 | 1 | 36832 | 311.000 | 0.163 | 0.022 | 1.240 | 345.0 | | 0.020< | | 0.010< |
| 1710 | | | .3 | 1 | 36833 | 311.000 | 0.105 | | | | | 0.020< | | |
| 80 04 06 0930 | | | .3 | 1 | 36834 | 266.000 | 0.080 | | | | | 0.020< | | |
| 80 04 07 0940 | | | .3 | 1 | 36835 | 225.000 | 0.055 | 0.008 | 1.080 | 360.0 | | 0.020< | | 0.010< |
| 80 04 08 0630 | | | .3 | 1 | 36836 | 201.000 | 0.057 | | | | | 0.020< | | |
| 80 04 09 0810 | | | .3 | 1 | 36837 | 189.000 | 0.050 | | | | | 0.020< | | |
| 80 04 10 0810 | | | .3 | 1 | 36838 | 196.000 | 0.058 | 0.011 | 0.859 | 390.0 | | 0.020< | | 0.010< |
| 80 04 11 0810 | | | .3 | 1 | 36839 | 199.000 | | | | | | 0.020< | | |
| 80 04 12 1300 | | | .3 | 1 | 36840 | 191.000 | 0.099 | | | | | 0.020< | | |
| 80 04 13 1000 | | | .3 | 1 | 36841 | 184.000 | 0.049 | 0.012 | 0.093 | 410.0 | | 0.020< | | 0.010< |
| 80 04 14 0810 | | | .3 | 1 | 36842 | 170.000 | 0.032 | | | | | 0.020< | | |
| 80 04 15 0810 | | | .3 | 1 | 36843 | 281.000 | 0.242 | | | | | 0.020 | | |
| 1730 | | | .3 | 1 | 36844 | 281.000 | 0.218 | 0.046 | 1.280 | 370.0 | | 0.030 | | 0.010< |
| 80 04 16 0810 | | | .3 | 1 | 36845 | 247.000 | 0.122 | 0.021 | 1.290 | 380.0 | | 0.030 | | 0.010< |
| 80 04 17 0810 | | | .3 | 1 | 36846 | 202.000 | 0.052 | | | | | 0.020< | | |
| 80 04 18 0810 | | | .3 | 1 | 36847 | 163.000 | 0.032 | 0.008 | 1.100 | 400.0 | | 0.020< | | 0.010< |
| 80 04 19 0900 | | | .3 | 1 | 36848 | 137.000 | 0.041 | | | | | | | |
| 80 04 20 1030 | | | .3 | 1 | 36849 | 121.000 | 0.036 | | | | | 0.020< | | |
| 80 04 21 0630 | | | .3 | 1 | 36850 | 110.000 | 0.034 | 0.006 | 1.040 | 445.0 | | 0.040 | | 0.010< |
| 80 04 22 0700 | | | .3 | 1 | 36851 | 99.600 | 0.032 | | | | | 0.020< | | |
| 80 04 23 0700 | | | .3 | 1 | 36852 | 88.800 | 0.034 | | | | | 0.020< | | |
| 80 04 24 0700 | | | .3 | 1 | 36853 | 79.500 | 0.017 | 0.008 | 0.992 | 470.0 | | 0.020< | | 0.010< |
| 80 04 25 0700 | | | .3 | 1 | 36854 | 72.300 | 0.026 | | | | | 0.020< | | |
| 80 04 28 0700 | | | .3 | 1 | 36855 | 62.800 | 0.021 | | | | | 0.030 | | |
| 80 05 05 0700 | | | .3 | 1 | 36856 | 59.600 | 0.024 | | | | | 0.030< | | |
| 80 05 12 0700 | | | .3 | 1 | 36857 | 40.800 | 0.016 | 0.004 | 0.842 | 500.0 | | 0.030< | | 0.010< |
| 80 05 20 0830 | | | .3 | 1 | 36858 | 70.500 | 0.032 | | | | | 0.070 | | |
| 80 05 26 0830 | | | .3 | 1 | 36859 | 33.400 | 0.035 | | | | | 0.030< | | |
| 80 06 01 0800 | | | .3 | 1 | 36860 | 32.200 | 0.032 | 0.005 | 0.926 | 500.0 | | 0.170 | | 0.010< |
| 80 06 16 0830 | | | .3 | 1 | 36862 | 27.000 | 0.031 | | | | | 0.040< | | |
| 80 06 23 0830 | | | .3 | 1 | 36863 | 48.500 | 0.052 | 0.007 | 1.080 | 475.0 | | 0.040< | | 0.030< |
| 80 07 07 0830 | | | .3 | 1 | 36864 | 17.800 | | | | | | 0.030< | | |
| 80 07 14 0845 | | | .3 | 1 | 36865 | 17.500 | 0.023 | | | | | 0.020< | | |
| 80 07 29 0845 | | | .3 | 1 | 36868 | 98.500 | 0.005 | | | | | | | |
| 80 07 30 0830 | | | .3 | 1 | 36869 | 101.000 | 0.105 | 0.027 | 0.645 | | | | | 0.010< |
| 80 08 18 0845 | | | .3 | 1 | 36874 | 18.900 | 0.018 | | | | | 0.040< | | |
| 80 08 25 0830 | | | .3 | 1 | 36875 | 17.500 | 0.019 | 0.005 | 0.294 | 550.0 | | 0.040< | | 0.001< |
| 80 09 02 0830 | | | .3 | 1 | 36876 | 21.500 | 0.025 | | | | | 0.040< | | |
| 80 09 03 0845 | | | .3 | 1 | 36877 | 25.300 | 0.022 | | | | | | | |
| 80 09 15 0910 | | | .3 | 1 | 36878 | 18.000 | 0.015 | 0.008 | 0.475 | 56.0 | | | | |
| 80 09 22 1010 | | | .3 | 1 | 36879 | 24.500 | 0.018 | | | | | 0.030< | | |
| 80 09 29 0730 | | | .3 | 1 | 36880 | 42.800 | 0.040 | | | | | 0.030< | | |
| 80 10 04 1200 | | | .3 | 1 | 36881 | 81.900 | 0.122 | 0.032 | 0.561 | | | 0.040< | | 0.004 |
| 80 10 05 1118 | | | .3 | 1 | 36882 | 95.700 | 0.140 | | | | | 0.040< | | |
| 80 10 06 0815 | | | .3 | 1 | 36883 | 81.200 | 0.080 | | | | | 0.040< | | |
| 80 10 07 0830 | | | .3 | 1 | 36884 | 67.400 | 0.150 | 0.022 | 0.679 | 490.0 | | 0.020< | | 0.001< |
| 80 10 14 0730 | | | .3 | 1 | 36885 | 53.700 | | | | | | 0.040< | | |
| 80 10 20 0120 | | | .3 | 1 | 36886 | 45.100 | 0.021 | | | | | 0.040< | | |

(CONTD)

| TEST-NAME: | | | SAMPLE | FWFLOW | PPUT | PPO4FR | NNO3FR | COND25 | ASUT | HGUT | CRUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 10 27 0900 | .3 | 1 | 36887 | 52.900 | 0.020 | 0.004 | 0.828 | 570.0 | | 0.080 | | 0.001< |
| 80 11 03 0900 | .3 | 1 | 36888 | 38.700 | 0.012 | | | | | 0.040< | | |
| 80 11 10 0900 | .3 | 1 | 36889 | 72.000 | 0.032 | | | | | 0.040< | | |
| 80 11 11 0730 | .3 | 1 | 36890 | 65.600 | 0.030 | 0.010 | 0.860 | 540.0 | | 0.040< | | 0.002 |
| 80 11 17 0730 | .3 | 1 | 36891 | 51.400 | 0.018 | | | | | 0.020< | | |
| 80 11 24 0800 | .3 | 1 | 36892 | 42.700 | 0.011 | | | | | | | |
| 80 12 01 0800 | .3 | 1 | 36893 | 40.700 | 0.013 | 0.002 | 0.916 | 580.0 | | 0.040< | | 0.002 |
| 80 12 08 0800 | .3 | 1 | 36894 | 166.000 | 0.073 | | | | | 0.040< | | |
| 80 12 09 0800 | .3 | 1 | 36895 | 256.000 | 0.265 | | | | | 0.040< | | |
| 1500 | .3 | 1 | 36896 | 256.000 | 0.198 | 0.055 | 1.780 | | | 0.040< | | 0.005 |
| 80 12 10 0800 | .3 | 1 | 36897 | 196.000 | 0.138 | | | | | 0.040< | | |
| 80 12 11 0800 | .3 | 1 | 36898 | 148.000 | | | | | | 0.040< | | |
| 80 12 12 0800 | .3 | 1 | 36899 | 122.000 | | | | | | 0.040< | | 0.003 |
| 80 12 13 1045 | .3 | 1 | 36900 | 107.000 | 0.038 | | | | | 0.040< | | |
| 80 12 14 1630 | .3 | 1 | 36901 | 85.200 | 0.028 | | | | | 0.040< | | |
| 80 12 15 0800 | .3 | 1 | 36902 | 72.500 | 0.014 | 0.008 | 1.390 | | | 0.040< | | 0.003 |
| 80 12 22 0930 | .3 | 1 | 36903 | 49.500 | 0.019 | | | | | 0.040< | | |
| 80 12 23 1015 | .3 | 1 | 36904 | 48.000 | 0.016 | | | | | 0.030 | | |
| 80 12 24 1210 | .3 | 1 | 36905 | 46.600 | 0.016 | 0.009 | 1.540 | | | 0.040< | | 0.001 |
| 80 12 25 1210 | .3 | 1 | 36906 | 44.800 | 0.015 | 0.009 | 1.540 | | | 0.040 | | 0.010 |
| 80 12 26 1600 | .3 | 1 | 36907 | 43.900 | 0.015 | | | | | 0.040 | | |
| 80 12 27 1530 | .3 | 1 | 36908 | 42.800 | 0.014 | 0.009 | 1.540 | | | 0.050 | | 0.001< |
| 80 12 28 1100 | .3 | 1 | 36909 | 41.600 | 0.014 | | | | | 0.050 | | |
| 80 12 29 1000 | .3 | 1 | 36910 | 40.800 | 0.015 | | | | | 0.050 | | |
| 80 12 30 1000 | .3 | 1 | 36911 | 40.100 | 0.016 | 0.009 | 1.490 | | | 0.040< | | 0.001< |
| 80 12 31 1100 | .3 | 1 | 36912 | 39.500 | 0.014 | | | | | 0.040< | | |
| MAXIMUM | | | | 372.000 | 0.320 | 0.063 | 1.790 | 640.0 | 0.001 | 0.170 | 0.020 | 0.030 |
| ARITH MEAN | | | | 124.830 | 0.067 | 0.018 | 1.119 | 429.5 | 0.001 | 0.031L | 0.020L | 0.006L |
| GEOM MEAN | | | | 86.096 | 0.043 | 0.013 | 1.001 | 401.4 | | 0.028L | | 0.006L |
| MINIMUM | | | | 17.500 | 0.005 | 0.002 | 0.093 | 56.0 | 0.001 | 0.020< | 0.020< | 0.001< |
| STD DEV | | | | 102.388 | 0.066 | 0.016 | 0.418 | 124.2 | | 0.018L | | 0.006L |
| NO OF SAMPLES | | | | 104 | 94 | 36 | 35 | 27 | 1 | 97 | 1 | 38 |

| | | | TEST-NAME: | | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 01 03 0810 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 01 07 0810 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 01 14 0810 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 01 21 0810 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 01 28 0820 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 02 04 0810 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 02 11 0810 | | | .3 | 1 | 0.040 | 0.005 < | | | |
| 80 02 18 0810 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 02 25 0810 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 03 03 0810 | | | .3 | 1 | 0.030< | 0.006 | | | |
| 80 03 11 0810 | | | .3 | 1 | 0.030< | 0.010 | | | |
| 80 03 19 0810 | | | .3 | 1 | 0.003< | 0.005 < | | | |
| 80 03 20 0820 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 03 22 0820 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 1620 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 03 23 0900 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 1600 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 03 24 0810 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 03 26 0810 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 03 27 1045 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 03 28 0810 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 03 29 0830 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 03 30 0900 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 03 31 0810 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 04 01 0810 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 04 02 0810 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 04 03 1115 | | | .3 | 1 | 0.030< | 0.005 < | 0.010< | 0.020< | 0.030 |
| 80 04 04 1015 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 04 05 0915 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 1710 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 04 06 0930 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 04 07 0940 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 04 08 0630 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 04 09 0810 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 04 10 0810 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 04 11 0810 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 04 12 1300 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 04 13 1000 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 04 14 0810 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 04 15 0810 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 1730 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 04 16 0810 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 04 17 0810 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 04 18 0810 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 04 19 0900 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 04 20 1030 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 04 21 0630 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 04 22 0700 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 04 23 0700 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 04 24 0700 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 04 25 0700 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 04 28 0700 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 05 05 0700 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 05 12 0700 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 05 20 0830 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 05 26 0830 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 06 01 0800 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 06 16 0830 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 06 23 0830 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 07 07 0830 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 07 14 0845 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 07 29 0845 | | | .3 | 1 | 0.030< | 0.005 < | | | |
| 80 07 30 0830 | | | .3 | 1 | 0.010< | 0.005 < | | | |
| 80 08 18 0845 | | | .3 | 1 | 0.003< | 0.002 < | | | |
| 80 08 25 0830 | | | .3 | 1 | 0.005< | 0.0002< | | | |
| 80 09 02 0830 | | | .3 | 1 | 0.003< | 0.0005 | | | |
| 80 09 03 0845 | | | .3 | 1 | 0.003< | 0.0002< | | | |
| 80 09 22 1010 | | | .3 | 1 | 0.003< | 0.0002< | | | |
| 80 09 29 0730 | | | .3 | 1 | 0.003< | 0.0007 | | | |
| 80 10 04 1200 | | | .3 | 1 | 0.003< | 0.0006 | | | |
| 80 10 05 1118 | | | .3 | 1 | 0.003< | 0.0002< | | | |
| 80 10 06 0815 | | | .3 | 1 | 0.003< | 0.0002< | | | |
| 80 10 07 0830 | | | .3 | 1 | 0.003< | 0.0002< | | | |
| 80 10 14 0730 | | | .3 | 1 | 0.003< | 0.0002< | | | |
| 80 10 20 0120 | | | .3 | 1 | 0.003< | 0.0004 | | | |
| 80 10 27 0900 | | | .3 | 1 | 0.003< | 0.0002< | | | |

(CONTD)

B.O.W./ SITE: **SAUGEEN RIVER**
SAMPLE POINT: **BRUCE CO ROAD 3, NORTH OF BURGOYNE SR-6**
STATION TYPE: **RIVER FLOW GAUGE FED 02FC001**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SAUGEEN RIVER**

STATION ID: **08-0123-030-02**
STORET CODE: **02**
**002**
**1260**

LAT: LONG: U T M: **17 0474075.0 4922390.0 4** REGION: **01** DISTANCE: **11.900**

| TEST-NAME: | | | | | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 11 03 0900 | | | .3 | 1 | 0.003< | 0.0002< | | | |
| 80 11 10 0900 | | | .3 | 1 | 0.003< | 0.0002< | | | |
| 80 11 11 0730 | | | .3 | 1 | 0.003< | 0.0002< | | | |
| 80 11 17 0730 | | | .3 | 1 | 0.003< | 0.0002< | | | |
| 80 12 01 0800 | | | .3 | 1 | 0.003< | 0.0002< | | | |
| 80 12 08 0800 | | | .3 | 1 | 0.003< | 0.0002< | | | |
| 80 12 09 0800 | | | .3 | 1 | 0.004 | 0.0002< | | | |
| 1500 | | | .3 | 1 | 0.003< | 0.0002< | | | |
| 80 12 10 0800 | | | .3 | 1 | 0.003< | 0.0002< | | | |
| 80 12 11 0800 | | | .3 | 1 | 0.003< | 0.0002< | | | |
| 80 12 12 0800 | | | .3 | 1 | 0.003< | 0.0002< | | | |
| 80 12 13 1045 | | | .3 | 1 | 0.003< | 0.0002< | | | |
| 80 12 14 1630 | | | .3 | 1 | 0.003< | 0.0003 | | | |
| 80 12 15 0800 | | | .3 | 1 | 0.003< | 0.0002< | | | |
| 80 12 22 0930 | | | .3 | 1 | 0.002 | 0.0003 | | | |
| 80 12 23 1015 | | | .3 | 1 | 0.003< | 0.0003 | | | |
| 80 12 24 1210 | | | .3 | 1 | 0.003< | 0.0002< | | | |
| 80 12 25 1210 | | | .3 | 1 | 0.003< | 0.0002< | | | |
| 80 12 26 1600 | | | .3 | 1 | 0.003< | 0.0002< | | | |
| 80 12 27 1530 | | | .3 | 1 | 0.003< | 0.0002< | | | |
| 80 12 28 1100 | | | .3 | 1 | 0.003< | 0.0003 | | | |
| 80 12 29 1000 | | | .3 | 1 | 0.010< | 0.0008 | | | |
| 80 12 30 1000 | | | .3 | 1 | 0.003< | 0.0003 | | | |
| 80 12 31 1100 | | | .3 | 1 | 0.003< | 0.0004 | | | |
| MAXIMUM | | | | | **0.040** | **0.010** | **0.010** | **0.020** | **0.030** |
| ARITH MEAN | | | | | **0.020L** | **0.003 L** | **0.010L** | **0.020L** | **0.030** |
| GEOM MEAN | | | | | **0.013L** | **0.001 L** | | | |
| MINIMUM | | | | | **0.002<** | **0.0002<** | **0.010<** | **0.020<** | **0.030** |
| STD DEV | | | | | **0.013L** | **0.002 L** | | | |
| NO OF SAMPLES | | | | | **100** | **100** | **1** | **1** | **1** |

B.O.W./ SITE: **SAUGEEN RIVER**
SAMPLE POINT: **AT CONC.ROAD 2.5 MILES EAST OF CARGILL**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SAUGEEN RIVER**

STATION ID: **08-0123-038-02**
STORET CODE: **02**
**002**
**1260**

LAT: LONG: U T M: **17 0484400.0 4894500.0 4** REGION: **01** DISTANCE: **63.000**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 14 1410 | | | .3 | 1 | 32509 | 6 | 2700 | 3900 | 328 | 268 | 4< | 0.5 | 12.5 | 1.2 |
| 80 04 14 1350 | | | .3 | 1 | 32561 | 6 | | | | | | 5.0 | 12.5 | 0.3 |
| 80 05 20 1430 | | | .3 | 1 | 32578 | 6 | | | | | | 17.0 | 15.0 | 0.6 |
| 80 06 16 1400 | | | .3 | 1 | 32595 | 6 | 280C | 2900 | 76 | 32 | 4< | 15.0 | 14.5 | 0.5 |
| 80 07 14 1420 | | | .3 | 1 | 32612 | 6 | | | | | | 22.0 | 12.5 | 0.4 |
| 80 08 18 1320 | | | .3 | 1 | 32629 | 6 | | | | | | 20.0 | 10.5 | 0.6 |
| 80 09 15 1350 | | | .3 | 1 | 32646 | 6 | 1400 | 9300 | 90I | 4 | 4< | 16.0 | 10.0 | 0.5 |
| 80 10 20 1345 | | | .3 | 1 | 32663 | 6 | 1200 | 7000 | 96 | 156 | 4< | 7.0 | 10.0 | 1.0 |
| 80 11 17 1345 | | | .3 | 1 | 32679 | 6 | 120 | 530 | 28 | 32 | 4 | 1.0 | 12.5 | 1.2 |
| 80 12 15 1350 | | | .3 | 1 | 32696 | 6 | | | | | | 0.0 | 13.0 | 1.0 |
| MAXIMUM | | | | | | | **2700** | **9300** | **328** | **268** | **4** | **22.0** | **15.0** | **1.2** |
| ARITH MEAN | | | | | | | **1140** | **4726** | **124** | **98** | **4L** | **10.3** | **12.3** | **0.7** |
| GEOM MEAN | | | | | | | **686** | **3298** | **90** | **44** | **4L** | **5.6** | **12.2** | **0.7** |
| MINIMUM | | | | | | | **120** | **530** | **28** | **4** | **4<** | **0.0** | **10.0** | **0.3** |
| STD DEV | | | | | | | **1035** | **3454** | **117** | **112** | **0L** | **8.6** | **1.7** | **0.3** |
| NO OF SAMPLES | | | | | | | **5** | **5** | **5** | **5** | **5** | **10** | **10** | **10** |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 14 1410 | | | .3 | 1 | 0.055 | 0.009 | 0.075 | 0.610 | 0.009 | 1.490 | 1.574 | 0.535 | 2.109 | 350.0 |
| 80 04 14 1350 | | | .3 | 1 | 0.026 | 0.005 | 0.030 | 0.320 | 0.006 | 0.960 | 0.996 | 0.290 | 1.286 | 302.0 |
| 80 05 20 1430 | | | .3 | 1 | 0.025 | 0.004 | 0.025 | 0.470 | 0.011 | 0.780 | 0.816 | 0.445 | 1.261 | 346.0 |
| 80 06 16 1400 | | | .3 | 1 | 0.023 | 0.006 | 0.050 | 0.450 | 0.014 | 0.800 | 0.864 | 0.400 | 1.264 | 446.0 |
| 80 07 14 1420 | | | .3 | 1 | 0.030 | 0.011 | 0.045 | 0.430 | 0.011 | 0.420 | 0.476 | 0.385 | 0.861 | 474.0 |
| 80 08 18 1320 | | | .3 | 1 | 0.012 | 0.003 | 0.040 | 0.400 | 0.007 | 0.440 | 0.487 | 0.360 | 0.847 | 454.4 |
| 80 09 15 1350 | | | .3 | 1 | 0.021 | 0.008 | 0.035 | 0.41 | 0.010 | 0.70 | 0.745 | 0.375 | 1.120 | 425.4 |
| 80 10 20 1345 | | | .3 | 1 | 0.029 | 0.006 | 0.020 | 0.49 | 0.006 | 0.66 | 0.686 | 0.470 | 1.156 | 376.0 |
| 80 11 17 1345 | | | .3 | 1 | 0.016 | 0.004 | 0.025 | 0.460 | 0.004 | 0.870 | 0.899 | 0.435 | 1.334 | 362.6 |
| 80 12 15 1350 | | | .3 | 1 | 0.056 | 0.004 | 0.050 | 0.530 | 0.007 | 1.300 | 1.357 | 0.480 | 1.837 | 399.6 |
| MAXIMUM | | | | | **0.056** | **0.011** | **0.075** | **0.610** | **0.014** | **1.490** | **1.574** | **0.535** | **2.109** | **474.0** |
| ARITH MEAN | | | | | **0.029** | **0.006** | **0.039** | **0.45** | **0.008** | **0.84** | **0.890** | **0.417** | **1.307** | **393.6** |
| GEOM MEAN | | | | | **0.026** | **0.006** | **0.037** | **0.45** | **0.008** | **0.78** | **0.832** | **0.412** | **1.259** | **390.0** |
| MINIMUM | | | | | **0.012** | **0.003** | **0.020** | **0.320** | **0.004** | **0.420** | **0.476** | **0.290** | **0.847** | **302.0** |
| STD DEV | | | | | **0.015** | **0.003** | **0.016** | **0.07** | **0.003** | **0.34** | **0.350** | **0.070** | **0.384** | **55.6** |
| NO OF SAMPLES | | | | | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** |

(CONTD)

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 14 1410 | | | .3 | 1 | 62.0 | 288.0 | 477.0 | 14.00 | 8.000 | |
| 80 04 14 1350 | | | .3 | 1 | 21.0 | 281.0 | 437.0 | 6.50 | 7.000 | |
| 80 05 20 1430 | | | .3 | 1 | 9.0 | 337.0 | 510.0 | 3.40 | 7.500 | |
| 80 06 16 1400 | | | .3 | 1 | 10.5 | 435.5 | 580.0 | 4.00 | 8.000 | 8.38 |
| 80 07 14 1420 | | | .3 | 1 | 5.0 | 469.0 | 570.0 | 1.00 | 9.000 | |
| 80 08 18 1320 | | | .3 | 1 | 6.2 | 448.2 | 590.0 | 2.10 | 8.500 | 8.27 |
| 80 09 15 1350 | | | .3 | 1 | 3.5 | 421.9 | 625 | 2.0 | 9.0 | 8.35 |
| 80 10 20 1345 | | | .3 | 1 | 5.4 | 370.6 | 570 | 2.6 | 8.0 | 8.28 |
| 80 11 17 1345 | | | .3 | 1 | 5.3 | 357.3 | 560.0 | 1.50 | 8.500 | |
| 80 12 15 1350 | | | .3 | 1 | 35.1 | 364.5 | 540.0 | 8.30 | 8.000 | 8.18 |
| MAXIMUM | | | | | 62.0 | 469.0 | 625 | 14.00 | 9.000 | 8.38 |
| ARITH MEAN | | | | | 16.3 | 377.3 | 546 | 4.5 | 8.1 | 8.29 |
| GEOM MEAN | | | | | 10.3 | 372.1 | 543 | 3.3 | 8.1 | 8.29 |
| MINIMUM | | | | | 3.5 | 281.0 | 437.0 | 1.00 | 7.000 | 8.18 |
| STD DEV | | | | | 18.8 | 65.2 | 56 | 4.0 | 0.6 | 0.08 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 5 |

| | | | |
|---|---|---|---|
| B.O.W./ SITE: **TEESWATER RIVER** | | | STATION ID: **08-0123-039-02** |
| SAMPLE POINT: **AT COUNTY ROAD 1** | MAJOR BASIN: **GREAT LAKES** | | STORET CODE: **02**<br>**002**<br>**1280** |
| STATION TYPE: **RIVER** | MINOR BASIN: **LAKE HURON** | | |
| | TERM STREAM: **SAUGEEN RIVER** | | |
| LAT: | LONG: | U T M: **17 0477600.0 4905100.0 4** REGION: **01** | DISTANCE: **30.500** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 14 1020 | | | .3 | 1 | 32503 | 6 | 360C | 4000 | 184 | 276 | 4< | 0.0 | 12.0 | 0.7 |
| 80 02 11 1030 | | | .3 | 1 | 52711 | 6 | 70I | 160 | 10< | 10< | 4< | 0.0 | 12.0 | 0.4 |
| 80 03 17 1045 | | | .3 | 1 | 32538 | 6 | 90I | 170 | 4 | 60 | 4< | 3.0 | 11.5 | 1.3 |
| 80 04 14 1050 | | | .3 | 1 | 32555 | 6 | | | | | | 5.0 | 12.0 | 1.0 |
| 80 05 20 1105 | | | .3 | 1 | 32572 | 6 | | | | | | 15.0 | 14.0 | 0.2 |
| 80 06 16 1055 | | | .3 | 1 | 32589 | 6 | 350 | 1880 | 150 | 32 | 4< | 15.0 | 14.0 | 0.4 |
| 80 07 14 1115 | | | .3 | 1 | 32606 | 6 | 160C | 3900 | 108 | 36 | 4< | 20.0 | 12.0 | 0.4 |
| 80 08 18 1040 | | | .3 | 1 | 32623 | 6 | | | | | | 21.0 | 10.5 | 0.6 |
| 80 09 15 1035 | | | .3 | 1 | 32640 | 6 | 1500 | 18200 | 64 | 52 | 4< | 15.0 | 10.0 | 0.6 |
| 80 10 20 1040 | | | .3 | 1 | 32657 | 6 | 360 | 2500 | 56 | 64 | 4< | 7.0 | 10.5 | 0.9 |
| 80 11 17 1030 | | | .3 | 1 | 32673 | 6 | 30I | 230 | 24 | 12 | 4< | 1.0 | 12.0 | 0.7 |
| 80 12 15 1035 | | | .3 | 1 | 32690 | 6 | | | | | | 0.0 | 12.5 | 0.8 |
| MAXIMUM | | | | | | | 1500 | 18200 | 184 | 276 | 4 | 21.0 | 14.0 | 1.3 |
| ARITH MEAN | | | | | | | 365 | 3880 | 75L | 68L | 4L | 8.5 | 11.9 | 0.7 |
| GEOM MEAN | | | | | | | 195 | 1304 | 42L | 41L | 4L | 4.8 | 11.9 | 0.6 |
| MINIMUM | | | | | | | 30 | 160 | 4< | 10< | 4< | 0.0 | 10.0 | 0.2 |
| STD DEV | | | | | | | 479 | 5999 | 66L | 87L | 0L | 8.2 | 1.2 | 0.3 |
| NO OF SAMPLES | | | | | | | 8 | 8 | 8 | 8 | 8 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 14 1020 | | | .3 | 1 | 0.040 | 0.016 | 0.090 | 0.690 | 0.013 | 1.850 | 1.953 | 0.600 | 2.553 | 232.00 |
| 80 02 11 1030 | | | .3 | 1 | 0.022 | 0.011 | 0.020 | 0.380 | 0.008 | 2.440 | 2.468 | 0.360 | 2.828 | 386.00 |
| 80 03 17 1045 | | | .3 | 1 | 0.029 | 0.014 | 0.060 | 0.360 | 0.010 | 2.040 | 2.110 | 0.300 | 2.410 | 330.00 |
| 80 04 14 1050 | | | .3 | 1 | 0.025 | 0.002 | 0.010 | 0.530 | 0.005 | 1.510 | 1.525 | 0.520 | 2.045 | 254.00 |
| 80 05 20 1105 | | | .3 | 1 | 0.028 | 0.005 | 0.030 | 0.710 | 0.008 | 0.890 | 0.928 | 0.680 | 1.608 | 304.00 |
| 80 06 16 1055 | | | .3 | 1 | 0.018 | 0.003 | 0.030 | 0.610 | 0.006 | 0.980 | 1.016 | 0.580 | 1.596 | 340.00 |
| 80 07 14 1115 | | | .3 | 1 | 0.023 | 0.009 | 0.050 | 0.52 | 0.006 | 0.29 | 0.346 | 0.470 | 0.816 | 356 |
| 80 08 18 1040 | | | .3 | 1 | 0.017 | 0.002 | 0.050 | 0.500 | 0.004 | 0.130 | 0.184 | 0.450 | 0.634 | 342.0 |
| 80 09 15 1035 | | | .3 | 1 | 0.016 | 0.002 | 0.025 | 0.42 | 0.002 | 0.31 | 0.337 | 0.395 | 0.732 | 390.9 |
| 80 10 20 1040 | | | .3 | 1 | 0.016 | 0.002 | 0.005 | 0.64 | 0.005 | 1.03 | 1.040 | 0.635 | 1.675 | 367.0 |
| 80 11 17 1030 | | | .3 | 1 | 0.012 | 0.001 | 0.005 | 0.630 | 0.004 | 1.260 | 1.269 | 0.625 | 1.894 | 337.40 |
| 80 12 15 1035 | | | .3 | 1 | 0.020 | 0.004 | 0.020 | 0.670 | 0.008 | 2.140 | 2.168 | 0.650 | 2.818 | 300.40 |
| MAXIMUM | | | | | 0.040 | 0.016 | 0.090 | 0.710 | 0.013 | 2.440 | 2.468 | 0.680 | 2.828 | 390.9 |
| ARITH MEAN | | | | | 0.022 | 0.006 | 0.033 | 0.55 | 0.007 | 1.23 | 1.279 | 0.522 | 1.801 | 328 |
| GEOM MEAN | | | | | 0.021 | 0.004 | 0.024 | 0.54 | 0.006 | 0.92 | 0.991 | 0.507 | 1.613 | 324 |
| MINIMUM | | | | | 0.012 | 0.001 | 0.005 | 0.360 | 0.002 | 0.130 | 0.184 | 0.300 | 0.634 | 232.00 |
| STD DEV | | | | | 0.008 | 0.005 | 0.025 | 0.12 | 0.003 | 0.77 | 0.776 | 0.126 | 0.778 | 48 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | SIO3UR | ACDT | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | SILICATE UNF.REAC MG/L AS SI | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH |
| 80 01 14 1020 | | | .3 | 1 | 11.50 | 220.50 | 427.0 | 6.20 | 10.500 | 26.000 | 2.480 | 9.000 | 180 | 8.03 |
| 80 02 11 1030 | | | .3 | 1 | 2.50 | 383.50 | 570.0 | 1.20 | 15.000 | 325.000 | 2.860 | 14.300 | 255.0 | 7.91 |
| 80 03 17 1045 | | | .3 | 1 | 8.50 | 321.00 | 575.0 | 5.70 | 16.000 | 29.000 | 2.920 | 20.100 | 235.0 | 7.68 |
| 80 04 14 1050 | | | .3 | 1 | 7.00 | 247.00 | 408.0 | 3.60 | 10.500 | 18.000 | 0.840 | 4.200 | 184.0 | 8.17 |
| 80 05 20 1105 | | | .3 | 1 | 11.00 | 293.00 | 455.0 | 5.40 | 11.000 | 18.500 | 1.020 | 0.000 | 211.0 | 8.31 |
| 80 06 16 1055 | | | .3 | 1 | 8.00 | 332.00 | 497.0 | 2.80 | 14.500 | 32.000 | 0.840 | 0.000 | 222.0 | 8.37 |
| 80 07 14 1115 | | | .3 | 1 | 7.6 | 348 | 487 | 1.2 | 18.5 | | | | | |
| 80 08 18 1040 | | | .3 | 1 | 9.5 | 332.5 | 492.0 | 3.90 | 20.500 | 35.5 | 1.20 | 3.8 | 198 | 8.16 |
| 80 09 15 1035 | | | .3 | 1 | 6.5 | 384.4 | 595 | 3.4 | 22.0 | 46.0 | 2.42 | 1.9 | 217 | 8.11 |
| 80 10 20 1040 | | | .3 | 1 | 2.7 | 364.3 | 565 | 2.9 | 16.0 | 37.0 | | 0.0 | 244 | 8.32 |
| 80 11 17 1030 | | | .3 | 1 | 2.90 | 334.60 | 520.0 | 1.60 | 14.500 | 32.000 | | 1.900 | 228.0 | 8.21 |
| 80 12 15 1035 | | | .3 | 1 | 7.40 | 293.00 | 460.0 | 2.10 | 11.000 | 26.000 | | 19.400 | 203.0 | 8.01 |
| MAXIMUM | | | | | 11.50 | 384.4 | 595 | 6.20 | 22.0 | 325.000 | 2.920 | 20.100 | 255.0 | 8.37 |
| ARITH MEAN | | | | | 7.0 | 321 | 504 | 3.3 | 15.0 | 56.8 | 1.82 | 6.7 | 216 | 8.12 |
| GEOM MEAN | | | | | 6.3 | 317 | 500 | 2.9 | 14.5 | 35.9 | 1.60 | 3.8 | 214 | 8.11 |
| MINIMUM | | | | | 2.50 | 220.50 | 408.0 | 1.20 | 10.500 | 18.000 | 0.840 | 0.000 | 180 | 7.68 |
| STD DEV | | | | | 3.0 | 60 | 61 | 1.7 | 3.8 | 89.3 | 0.92 | 7.7 | 23 | 0.20 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 11 | 8 | 11 | 11 | 11 |

B.O.W./SITE **TEESWATER RIVER**
SAMPLE POINT **AT COUNTY ROAD 1**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SAUGEEN RIVER**

STATION ID **08-0123-039-02**
STORET CODE **02**
**002**
**1280**

LAT LONG U.T.M. **17 0477800.0 4905100.0 4** REGION **01** DISTANCE **39.589**

| TEST-NAME: SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PHNOL PHENOLS UNF-REAC UG/L PHENOL | FEUT IRON UNF.TOT. MG/L AS FE | HARDT HARDNESS TOTAL MG/L AS CACO3 | CAUR CALCIUM UNF.REAC MG/L AS CA | MGUR MAGNESIM FIL.REAC MG/L AS MG | COLAP COLOUR APPARENT HZU | KKUR POTASSIM UNF.REAC MG/L AS K | NAUR SODIUM UNF.REAC MG/L AS NA | COD CHEM. OX DEMAND MG/L AS O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 14 1020 | | .3 | 1 | | 0.280 | 209.000 | 55.000 | 17.400 | 33.000 | 2.05 | 5.200 | 20 |
| 80 02 11 1030 | | .3 | 1 | | 0.080 | 300.000 | 78.000 | 25.600 | 22.000 | 1.05 | 8.800 | 15 |
| 80 03 17 1045 | | .3 | 1 | | 0.290 | | 73.000 | 22.800 | 18.000 | 1.40 | 8.800 | 8 |
| 80 04 14 1050 | | .3 | 1 | | 0.160 | 210.000 | 56.000 | 17.000 | 36.000 | 1.20 | 4.800 | 30 |
| 80 05 20 1105 | | .3 | 1 | | 0.370 | 226.000 | 60.000 | 18.400 | 57.000 | 1.10 | 6.000 | 29 |
| 80 06 16 1055 | | .3 | 1 | | 0.150 | 260.000 | 65.000 | 23.600 | 37.000 | 0.90 | 8.600 | 23 |
| 80 08 18 1040 | | .3 | 1 | | 0.22 | 245 | 53.0 | 27.4 | 27 | 1.45 | 11.8 | 8.0 |
| 80 09 15 1035 | | .3 | 1 | | 0.21 | 259 | 60.0 | 26.4 | 18 | 1.85 | 12.9 | 16 |
| 80 10 20 1040 | | .3 | 1 | 1.0< | 0.20 | 277 | 72.5 | 23.2 | 55 | 2.35 | 9.7 | 30 |
| 80 11 17 1030 | | .3 | 1 | | 0.240 | 260.000 | 67.000 | 22.400 | 43.000 | 1.65 | 7.900 | 21 |
| 80 12 15 1035 | | .3 | 1 | | 0.200 | 239.000 | 63.500 | 19.400 | 47.000 | 1.65 | 5.700 | 25 |
| **MAXIMUM** | | | | **1.0** | **0.370** | **300.000** | **78.000** | **27.4** | **57.000** | **2.35** | **12.9** | **30** |
| **ARITH MEAN** | | | | **1.0L** | **0.21** | **248** | **63.9** | **22.1** | **35** | **1.51** | **8.2** | **20** |
| **GEOM MEAN** | | | | | **0.20** | **246** | **63.4** | **21.8** | **33** | **1.45** | **7.8** | **18** |
| **MINIMUM** | | | | **1.0<** | **0.080** | **209.000** | **53.0** | **17.000** | **18.000** | **0.90** | **4.800** | **8** |
| **STD DEV** | | | | | **0.07** | **28** | **8.1** | **3.6** | **13** | **0.45** | **2.6** | **8** |
| **NO OF SAMPLES** | | | | **1** | **11** | **10** | **11** | **11** | **11** | **11** | **11** | **11** |

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B.O.W./SITE **PEARL CREEK**
SAMPLE POINT **AT CONCESSION ROAD 12 AND 13 BRANT TWP.**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SAUGEEN RIVER**

STATION ID **08-0123-042-02**
STORET CODE **02**
**002**
**1280**

LAT. LONG. U.T.M. **17 0486350.0 4898900.0 4** REGION **01** DISTANCE **56.165**

| TEST-NAME: SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE SAMPLE NUMBER | FWSTRC STREAM COND. | TCMF COLIFORM TOTAL MF CNT /100ML | TCMFBK COLIFORM TOTAL MF BCKGRD CNT /100ML | FCMF FECAL COLIFORM MF CNT /100ML | FSMF FECAL STREPCUS MF CNT /100ML | PSAMF PSEUDOMN AERUG. MF CNT /100ML | FWTEMP WATER TEMP DEG.C | DO DISOLVED OXYGEN MG/L AS O | BOD5 BOD 5 DAY TOT.DEM. MG/L AS O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 14 1340 | | .3 | 1 | 32508 | 6 | 484C | 1720 | 316 | 356 | 4< | 1.0 | 12.0 | 0.8 |
| 80 02 11 1300 | | .3 | 1 | 52715 | 4 | 120 | 300 | 20I | 20I | 4< | 0.0 | 12.0 | 0.4 |
| 80 03 17 1300 | | .3 | 1 | 32542 | 4 | 3400C | 67000 | 600> | 600> | 4< | 3.0 | 11.0 | 6.5> |
| 80 04 14 1310 | | .3 | 1 | 32559 | 6 | | | | | | 5.0 | 11.5 | 0.4 |
| 80 05 20 1330 | | .3 | 1 | 32576 | 6 | | | | | | 17.0 | 14.0 | 0.1< |
| 80 06 16 1315 | | .3 | 1 | 32593 | 6 | 3900 | 23000 | 1500> | 210 | 4< | 16.0 | 13.5 | 0.5 |
| 80 07 14 1345 | | .3 | 1 | 32610 | 6 | 1100 | 5300 | 140 | 140 | 4< | 23.0 | 12.0 | 0.6 |
| 80 08 18 1235 | | .3 | 1 | 32627 | 6 | | | | | | 20.0 | 10.0 | 0.5 |
| 80 09 15 1300 | | .3 | 1 | 32644 | 6 | 4500C | 47000 | 408 | 248 | 8 | 16.0 | 10.5 | 0.5 |
| 80 10 20 1300 | | .3 | 1 | 32661 | 6 | 5500 | 20400 | 450 | 1500> | 16 | 7.0 | 11.0 | 1.0 |
| 80 11 17 1300 | | .3 | 1 | 32677 | 6 | 110 | 600 | 12 | 30I | 4< | 0.0 | 13.5 | 1.1 |
| 80 12 15 1300 | | .3 | 1 | 32694 | 6 | | | | | | 0.0 | 12.0 | 0.6 |
| **MAXIMUM** | | | | | | **5500** | **67000** | **1500>** | **1500>** | **16** | **23.0** | **14.0** | **6.5>** |
| **ARITH MEAN** | | | | | | **2389** | **20665** | **431G** | **388G** | **6L** | **9.0** | **11.9** | **1.18** |
| **GEOM MEAN** | | | | | | **1110** | **6282** | **191G** | **185G** | **5L** | **4.9** | **11.9** | **0.68** |
| **MINIMUM** | | | | | | **110** | **300** | **12** | **20** | **4<** | **0.0** | **10.0** | **0.1<** |
| **STD DEV** | | | | | | **2174** | **24664** | **480G** | **487G** | **4L** | **8.7** | **1.2** | **1.78** |
| **NO OF SAMPLES** | | | | | | **8** | **8** | **8** | **8** | **8** | **12** | **12** | **12** |

| TEST-NAME: SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PPUT PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR PO4 FIL.REAC MG/L AS P | NNHTFR NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR NO2-N FIL.REAC MG/L AS N | NNO3FR NO3-N FIL.REAC MG/L AS N | NNTIFR ORG N TOTAL FIL.REAC MG/L | NNKUR KJELDAHL ORGANIC UNF.REAC MG/L | NNKI TOTAL N MG/L AS N | RST RESIDUE TOTAL MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 14 1340 | | .3 | 1 | 0.046 | 0.015 | 0.095 | 0.450 | 0.011 | 3.040 | 3.146 | 0.355 | 3.501 | 392.0 |
| 80 02 11 1300 | | .3 | 1 | 0.056 | 0.011 | 0.035 | 0.840 | 0.010 | 2.240 | 2.285 | 0.805 | 3.090 | 414.0 |
| 80 03 17 1300 | | .3 | 1 | 0.430 | 0.190 | 1.150 | 3.700 | 0.022 | 1.870 | 3.042 | 2.550 | 5.592 | 322.0 |
| 80 04 14 1310 | | .3 | 1 | 0.043 | 0.011 | 0.025 | 0.520 | 0.014 | 0.500 | 0.539 | 0.495 | 1.034 | 316.0 |
| 80 05 20 1330 | | .3 | 1 | 0.044 | 0.007 | 0.035 | 0.720 | 0.018 | 1.510 | 1.563 | 0.685 | 2.248 | 364.0 |
| 80 06 16 1315 | | .3 | 1 | 0.040 | 0.003 | 0.045 | 0.610 | 0.025 | 1.370 | 1.440 | 0.565 | 2.005 | 396.0 |
| 80 07 14 1345 | | .3 | 1 | 0.038 | 0.006 | 0.050 | 0.490 | 0.018 | 0.710 | 0.778 | 0.440 | 1.218 | 399.0 |
| 80 08 18 1235 | | .3 | 1 | 0.034 | 0.008 | 0.040 | 0.440 | 0.025 | 0.830 | 0.895 | 0.400 | 1.295 | 376.20 |
| 80 09 15 1300 | | .3 | 1 | 0.047 | 0.010 | 0.035 | 0.55 | 0.022 | 1.36 | 1.417 | 0.515 | 1.932 | 389.2 |
| 80 10 20 1300 | | .3 | 1 | 0.060 | 0.021 | 0.010 | 0.67 | 0.007 | 1.36 | 1.377 | 0.660 | 2.037 | 408.2 |
| 80 11 17 1300 | | .3 | 1 | 0.024 | 0.008 | 0.010 | 0.460 | 0.004 | 1.540 | 1.554 | 0.450 | 2.004 | 409.0 |
| 80 12 15 1300 | | .3 | 1 | 0.032 | 0.015 | 0.050 | 0.490 | 0.008 | 2.000 | 2.058 | 0.440 | 2.498 | 392.8 |
| **MAXIMUM** | | | | **0.430** | **0.190** | **1.150** | **3.700** | **0.025** | **3.040** | **3.146** | **2.550** | **5.592** | **414.0** |
| **ARITH MEAN** | | | | **0.074** | **0.025** | **0.132** | **0.82** | **0.015** | **1.52** | **1.674** | **0.697** | **2.371** | **381.5** |
| **GEOM MEAN** | | | | **0.050** | **0.012** | **0.044** | **0.65** | **0.013** | **1.37** | **1.486** | **0.586** | **2.131** | **380.1** |
| **MINIMUM** | | | | **0.024** | **0.003** | **0.010** | **0.440** | **0.004** | **0.500** | **0.539** | **0.355** | **1.034** | **316.0** |
| **STD DEV** | | | | **0.112** | **0.052** | **0.321** | **0.91** | **0.007** | **0.70** | **0.826** | **0.598** | **1.245** | **32.3** |
| **NO OF SAMPLES** | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RSP RESIDUE PARTIC. MG/L | RSF RESIDUE FILTERED MG/L | COND25 CONDUCT. 25C UMHO/CM AT 25 C | TURB TURB'ITY FTU | CLIDUR CHLORIDE UNF.REAC MG/L AS CL | PH PH |
|---|---|---|---|---|---|---|---|---|---|
| 80 01 14 1340 | | .3 | 1 | 30.0 | 362.0 | 600.0 | 10.00 | 14.500 | |
| 80 02 11 1300 | | .3 | 1 | 15.0 | 399.0 | 590.0 | 14.00 | 7.000 | |
| 80 03 17 1300 | | .3 | 1 | 24.0 | 298.0 | 492.0 | 12.00 | 9.500 | |
| 80 04 14 1310 | | .3 | 1 | 17.0 | 299.0 | 480.0 | 8.30 | 7.500 | |
| 80 05 20 1330 | | .3 | 1 | 11.0 | 353.0 | 545.0 | 13.00 | 9.500 | |
| 80 06 16 1315 | | .3 | 1 | 20.0 | 376.0 | 540.0 | 17.00 | 7.500 | 8.25 |
| 80 07 14 1345 | | .3 | 1 | 16.1 | 383.0 | 530.0 | 4.00 | 6.000 | |
| 80 08 18 1235 | | .3 | 1 | 18.10 | 358.10 | 525.0 | 14.00 | 7.000 | 8.20 |
| 80 09 15 1300 | | .3 | 1 | 15.3 | 373.9 | 560 | 16 | 8.0 | 8.30 |
| 80 10 20 1300 | | .3 | 1 | 11.3 | 396.9 | 615 | 13 | 13.0 | 8.15 |
| 80 11 17 1300 | | .3 | 1 | 7.5 | 401.5 | 630.0 | 5.60 | 11.500 | 8.24 |
| 80 12 15 1300 | | .3 | 1 | 9.7 | 383.1 | 590.0 | 5.90 | 10.000 | 7.85 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| MAXIMUM | | | | | 30.0 | 401.5 | 630.0 | 17.00 | 14.600 | 8.30 |
| ARITH MEAN | | | | | 16.2 | 365.2 | 558 | 11 | 9.2 | 8.16 |
| GEOM MEAN | | | | | 15.1 | 363.6 | 556 | 10 | 8.9 | 8.16 |
| MINIMUM | | | | | 7.5 | 298.0 | 480.0 | 4.00 | 6.000 | 7.85 |
| STD DEV | | | | | 6.3 | 34.9 | 47 | 4 | 2.6 | 0.16 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 6 |

B.O.W / SITE: **SAUGEEN RIVER**
SAMPLE POINT: **AT CONC.ROAD 4 AND 5 SAUGEEN TOWNSHIP**
STATION TYPE: **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SAUGEEN RIVER**

STATION ID: **08-0123-043-02**
STORET CODE: **02**
**002**
**1200**

LAT
LONG:
U T M: **17 0474950.0 4912400.0 4**
REGION: **01**
DISTANCE: **27.350**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 14 1045 | | | .3 | 1 | 32504 | 6 | 1900 | 17300 | 340 | 508 | 4< | 0.0 | 12.5 | 1.3 |
| 80 04 14 1110 | | | .3 | 1 | 32556 | 6 | | | | | | 6.0 | 12.5 | 0.4 |
| 80 05 20 1130 | | | .3 | 1 | 32573 | 6 | | | | | | 15.0 | 15.0 | 0.2 |
| 80 06 16 1120 | | | .3 | 1 | 32590 | | 128 | 920 | 64 | 20 | 4< | 16.0 | 14.5 | 0.1 |
| 80 07 14 1140 | | | .3 | 1 | 32607 | 6 | 140C | 3300 | 28 | 32 | 4< | 23.0 | 15.0 | 0.9 |
| 80 08 18 1100 | | | .3 | 1 | 32624 | 6 | | | | | | 20.0 | 10.5 | 0.3 |
| 80 09 15 1100 | | | .3 | 1 | 32641 | 6 | 500I | 5800 | 16 | 16 | 4< | 15.0 | 11.0 | 0.3 |
| 80 10 20 1100 | | | .3 | 1 | 32658 | 6 | 910 | 1690 | 52 | 92 | 4 | 7.0 | 11.0 | 0.8 |
| 80 11 17 1050 | | | .3 | 1 | 32674 | 6 | 50I | 620 | 4 | 16 | 4< | 1.0 | 13.0 | 1.0 |
| 80 12 15 1100 | | | .3 | 1 | 32691 | 6 | | | | | | 0.0 | 12.5 | 0.8 |
| MAXIMUM | | | | | | | 1900 | 17300 | 340 | 508 | 4 | 23.0 | 15.0 | 1.3 |
| ARITH MEAN | | | | | | | 605 | 4938 | 84 | 114 | 4L | 10.3 | 12.7 | 0.6 |
| GEOM MEAN | | | | | | | 303 | 2614 | 36 | 44 | 4L | 6.1 | 12.7 | 0.5 |
| MINIMUM | | | | | | | 50 | 620 | 4 | 16 | 4< | 0.0 | 10.5 | 0.1 |
| STD DEV | | | | | | | 712 | 6350 | 127 | 195 | 0L | 8.6 | 1.7 | 0.4 |
| NO OF SAMPLES | | | | | | | 6 | 6 | 6 | 6 | 6 | 10 | 10 | 10 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 14 1045 | | | .3 | 1 | 0.051 | 0.018 | 0.080 | 0.580 | 0.010 | 1.550 | 1.640 | 0.500 | 2.140 | 258.0 |
| 80 04 14 1110 | | | .3 | 1 | 0.039 | 0.008 | 0.015 | 0.390 | 0.007 | 1.050 | 1.072 | 0.375 | 1.447 | 296.0 |
| 80 05 20 1130 | | | .3 | 1 | 0.027 | 0.003 | 0.015 | 0.520 | 0.007 | 0.790 | 0.812 | 0.505 | 1.317 | 352.0 |
| 80 06 16 1120 | | | .3 | 1 | 0.021 | 0.004 | 0.025 | 0.460 | 0.010 | 0.680 | 0.715 | 0.435 | 1.150 | 400.0 |
| 80 07 14 1140 | | | .3 | 1 | 0.018 | 0.002 | 0.050 | 0.43 | 0.005 | 0.21 | 0.265 | 0.380 | 0.645 | 428 |
| 80 08 18 1100 | | | .3 | 1 | 0.017 | 0.002 | 0.025 | 0.380 | 0.003 | 0.190 | 0.218 | 0.355 | 0.573 | 416.2 |
| 80 09 15 1100 | | | .3 | 1 | 0.014 | 0.002 | 0.015 | 0.38 | 0.005 | 0.48 | 0.500 | 0.365 | 0.865 | 419.0 |
| 80 10 20 1100 | | | .3 | 1 | 0.023 | 0.002 | 0.005 | 0.52 | 0.004 | 0.68 | 0.689 | 0.515 | 1.204 | 350.5 |
| 80 11 17 1050 | | | .3 | 1 | 0.012 | 0.003 | 0.005 | 0.410 | 0.003 | 0.850 | 0.858 | 0.405 | 1.263 | 358.0 |
| 80 12 15 1100 | | | .3 | 1 | 0.014 | 0.004 | 0.025 | 0.470 | 0.007 | 1.440 | 1.472 | 0.445 | 1.917 | 388.4 |
| MAXIMUM | | | | | 0.051 | 0.018 | 0.080 | 0.580 | 0.010 | 1.550 | 1.640 | 0.515 | 2.140 | 428 |
| ARITH MEAN | | | | | 0.024 | 0.005 | 0.026 | 0.45 | 0.006 | 0.79 | 0.824 | 0.428 | 1.252 | 366 |
| GEOM MEAN | | | | | 0.021 | 0.004 | 0.019 | 0.44 | 0.006 | 0.65 | 0.693 | 0.424 | 1.159 | 362 |
| MINIMUM | | | | | 0.012 | 0.002 | 0.005 | 0.380 | 0.003 | 0.190 | 0.218 | 0.355 | 0.573 | 258.0 |
| STD DEV | | | | | 0.012 | 0.005 | 0.023 | 0.06 | 0.003 | 0.45 | 0.467 | 0.061 | 0.502 | 55 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 14 1045 | | | .3 | 1 | 32.0 | 226.0 | 459.0 | 12.00 | 8.500 | |
| 80 04 14 1110 | | | .3 | 1 | 22.0 | 274.0 | 426.0 | 7.80 | 7.000 | |
| 80 05 20 1130 | | | .3 | 1 | 16.5 | 335.5 | 495.0 | 7.50 | 8.000 | |
| 80 06 16 1120 | | | .3 | 1 | 10.0 | 390.0 | 540.0 | 6.50 | 8.000 | 8.35 |
| 80 07 14 1140 | | | .3 | 1 | 4.8 | 423 | 520 | 2.9 | 9.0 | |
| 80 08 18 1100 | | | .3 | 1 | 12.1 | 404.1 | 540.0 | 4.00 | 9.000 | 8.38 |
| 80 09 15 1100 | | | .3 | 1 | 4.2 | 414.8 | 580 | 3.9 | 10.0 | 8.35 |
| 80 10 20 1100 | | | .3 | 1 | 7.3 | 343.2 | 565 | 4.1 | 8.5 | 8.27 |
| 80 11 17 1050 | | | .3 | 1 | 3.8 | 354.2 | 545.0 | 1.60 | 9.500 | 8.37 |
| 80 12 15 1100 | | | .3 | 1 | 7.6 | 380.8 | 500.0 | 3.30 | 8.000 | 8.16 |
| MAXIMUM | | | | | 32.0 | 423 | 580 | 12.00 | 10.0 | 8.38 |
| ARITH MEAN | | | | | 12.0 | 354 | 517 | 5.3 | 8.5 | 8.31 |
| GEOM MEAN | | | | | 9.5 | 346 | 514 | 4.6 | 8.5 | 8.31 |
| MINIMUM | | | | | 3.8 | 226.0 | 426.0 | 1.60 | 7.000 | 8.16 |
| STD DEV | | | | | 9.1 | 63 | 47 | 3.0 | 0.8 | 0.08 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 6 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

| | | | |
|---|---|---|---|
| B O W / SITE | **TEESWATER RIVER** | STATION ID: | **08-0123-044-02** |
| SAMPLE POINT | **AT CHEPSTOW** | | |
| STATION TYPE | **RIVER** | | |
| MAJOR BASIN | **GREAT LAKES** | STORET CODE | **02**<br>**002**<br>**1280** |
| MINOR BASIN | **LAKE HURON** | | |
| TERM STREAM | **SAUGEEN RIVER** | | |
| LAT: | | LONG. | |
| U T M | **17 0477100.0 4888600.0 4** | REGION | **01** |
| DISTANCE: | **67.591** | | |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM MG/L AS O |
| 80 01 14 0950 | | | 3 | 1 | 32502 | 6 | 1600 | 8400 | 200 | 364 | 4< | 1.0 | 10.5 | 0.8 |
| 80 02 11 1000 | | | 3 | 1 | 52710 | 6 | 300C | 3000 | 10< | 20I | 4< | 0.0 | 11.5 | 0.4 |
| 80 03 17 1010 | | | 3 | 1 | 32537 | 6 | 210 | 750 | 20 | 504 | 4< | 2.0 | 10.0 | 0.9 |
| 80 04 14 1020 | | | 3 | 1 | 32554 | 6 | | | | | | 4.0 | 11.0 | 0.4 |
| 80 05 20 1030 | | | 3 | 1 | 32571 | 6 | | | | | | 14.0 | 10.0 | 0.1< |
| 80 06 16 1020 | | | 3 | 1 | 32588 | 6 | 630C | 2900 | 344 | 8 | 4< | 14.0 | 12.0 | 0.3 |
| 80 07 14 1045 | | | 3 | 1 | 32605 | 6 | 170 | 2800 | 30I | 12 | 4< | 20.0 | 13.5 | 0.3 |
| 80 08 18 1005 | | | 3 | 1 | 32622 | 6 | | | | | | 19.0 | 10.5 | 0.8 |
| 80 09 15 0950 | | | 3 | 1 | 32639 | 6 | 1000 | 16500 | 120 | 12 | 4< | 14.0 | 10.5 | 0.5 |
| 80 10 20 0955 | | | 3 | 1 | 32656 | 6 | 630C | 5700 | 48 | 296 | 4< | 7.5 | 11.0 | 0.9 |
| 80 11 17 0950 | | | 3 | 1 | 32672 | 6 | 70I | 290 | 4< | 20 | 4< | 0.5 | 12.5 | 1.0 |
| 80 12 15 1000 | | | 3 | 1 | 32689 | 6 | | | | | | 0.0 | 12.5 | 1.1 |
| **MAXIMUM** | | | | | | | **1600** | **16500** | **344** | **504** | **4** | **20.0** | **13.5** | **1.1** |
| **ARITH MEAN** | | | | | | | **576** | **5042** | **97L** | **154** | **4L** | **8.0** | **11.3** | **0.6L** |
| **GEOM MEAN** | | | | | | | **384** | **2836** | **42L** | **47** | **4L** | **4.2** | **11.2** | **0.5L** |
| **MINIMUM** | | | | | | | **70** | **290** | **4<** | **8** | **4<** | **0.0** | **10.0** | **0.1<** |
| **STD DEV** | | | | | | | **516** | **5316** | **120L** | **202** | **0L** | **7.7** | **1.1** | **0.3L** |
| **NO OF SAMPLES** | | | | | | | **8** | **8** | **8** | **8** | **8** | **12** | **12** | **12** |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 14 0950 | | | 3 | 1 | 0.045 | 0.019 | 0.090 | 0.660 | 0.016 | 2.280 | 2.386 | 0.570 | 2.956 | 230.0 |
| 80 02 11 1000 | | | 3 | 1 | 0.031 | 0.018 | 0.045 | 0.440 | 0.011 | 2.740 | 2.796 | 0.395 | 3.191 | 382.0 |
| 80 03 17 1010 | | | 3 | 1 | 0.037 | 0.020 | 0.075 | 0.540 | 0.011 | 2.240 | 2.326 | 0.465 | 2.791 | 346.0 |
| 80 04 14 1020 | | | 3 | 1 | 0.015 | 0.004 | 0.020 | 0.420 | 0.007 | 1.680 | 1.707 | 0.400 | 2.107 | 270.0 |
| 80 05 20 1030 | | | 3 | 1 | 0.033 | 0.010 | 0.045 | 0.770 | 0.015 | 0.960 | 1.020 | 0.725 | 1.745 | 314.0 |
| 80 06 16 1020 | | | 3 | 1 | 0.029 | 0.009 | 0.035 | 0.670 | 0.023 | 1.360 | 1.418 | 0.635 | 2.053 | 380.0 |
| 80 07 14 1045 | | | 3 | 1 | 0.065 | 0.035 | 0.050 | 0.62 | 0.016 | 1.02 | 1.086 | 0.570 | 1.656 | 391 |
| 80 08 18 1005 | | | 3 | 1 | 0.032 | 0.015 | 0.045 | 0.460 | 0.013 | 1.150 | 1.208 | 0.415 | 1.623 | 408.8 |
| 80 09 15 0950 | | | 3 | 1 | 0.037 | 0.019 | 0.030 | 0.44 | 0.010 | 1.18 | 1.220 | 0.410 | 1.630 | 330.4 |
| 80 10 20 0955 | | | 3 | 1 | 0.031 | 0.007 | 0.005< | 0.73 | 0.007 | 1.16 | 1.172 | 0.725 | 1.897 | 379.2 |
| 80 11 17 0950 | | | 3 | 1 | 0.019 | 0.003 | 0.040 | 0.730 | 0.005 | 1.410 | 1.455 | 0.690 | 2.145 | 342.1 |
| 80 12 15 1000 | | | 3 | 1 | 0.019 | 0.005 | 0.020 | 0.650 | 0.009 | 2.100 | 2.129 | 0.630 | 2.759 | 305.6 |
| **MAXIMUM** | | | | | **0.065** | **0.035** | **0.090** | **0.770** | **0.023** | **2.740** | **2.796** | **0.725** | **3.191** | **408.8** |
| **ARITH MEAN** | | | | | **0.033** | **0.014** | **0.042L** | **0.59** | **0.012** | **1.60** | **1.660** | **0.552** | **2.213** | **339** |
| **GEOM MEAN** | | | | | **0.030** | **0.011** | **0.034L** | **0.58** | **0.011** | **1.51** | **1.569** | **0.538** | **2.150** | **335** |
| **MINIMUM** | | | | | **0.015** | **0.003** | **0.005<** | **0.420** | **0.005** | **0.960** | **1.020** | **0.395** | **1.623** | **230.0** |
| **STD DEV** | | | | | **0.013** | **0.009** | **0.023L** | **0.12** | **0.005** | **0.59** | **0.600** | **0.130** | **0.564** | **53** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 14 0950 | | | 3 | 1 | 12.0 | 218.0 | 439.0 | 3.40 | 11.000 | |
| 80 02 11 1000 | | | 3 | 1 | 5.0 | 377.0 | 590.0 | 2.20 | 16.500 | |
| 80 03 17 1010 | | | 3 | 1 | 10.0 | 336.0 | 590.0 | 4.20 | 18.500 | |
| 80 04 14 1020 | | | 3 | 1 | 5.0 | 265.0 | 419.0 | 2.00 | 11.000 | |
| 80 05 20 1030 | | | 3 | 1 | 6.0 | 308.0 | 462.0 | 2.60 | 10.500 | |
| 80 06 16 1020 | | | 3 | 1 | 7.0 | 373.0 | 540.0 | 2.70 | 16.500 | 8.08 |
| 80 07 14 1045 | | | 3 | 1 | 5.8 | 385 | 540 | 1.0 | 19.0 | |
| 80 08 18 1005 | | | 3 | 1 | 7.4 | 401.4 | 585.0 | 3.10 | 22.000 | 8.16 |
| 80 09 15 0950 | | | 3 | 1 | 3.9 | 326.5 | 530 | 1.5 | 10.5 | 8.21 |
| 80 10 20 0955 | | | 3 | 1 | 5.3 | 373.9 | 580 | 2.5 | 17.5 | 7.93 |
| 80 11 17 0950 | | | 3 | 1 | 4.5 | 337.6 | 520.0 | 1.60 | 15.500 | 7.99 |
| 80 12 15 1000 | | | 3 | 1 | 9.1 | 296.5 | 464.0 | 1.70 | 12.000 | 7.68 |
| **MAXIMUM** | | | | | **12.0** | **401.4** | **590.0** | **4.20** | **22.000** | **8.21** |
| **ARITH MEAN** | | | | | **6.7** | **333** | **521** | **2.3** | **15.0** | **8.01** |
| **GEOM MEAN** | | | | | **6.4** | **328** | **518** | **2.2** | **14.5** | **8.01** |
| **MINIMUM** | | | | | **3.9** | **218.0** | **419.0** | **1.0** | **10.500** | **7.68** |
| **STD DEV** | | | | | **2.5** | **54** | **61** | **0.9** | **3.9** | **0.19** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **12** | **6** |

B.O.W./ SITE: **PEARL CREEK**
SAMPLE POINT: **AT 10TH CONC BRANT TOWNSHIP**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SAUGEEN RIVER**

STATION ID: **08-0123-045-02**
STORET CODE: **02**
**002**
**1200**

LAT:
LONG:
U T M: **17 0488200.0 4897300.0 4**
REGION: **01**
DISTANCE: **00.871**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 14 1200 | | | .3 | 1 | 32507 | 6 | 1100C | 37000 | 436 | 772 | 4< | 0 0 | 11 5 | 1.2 |
| 80 02 11 1320 | | | .3 | 1 | 52716 | 4 | 30I | 20 | 10< | 180 | 4< | 0 0 | 12 5 | 0.1 |
| 80 03 17 1325 | | | .3 | 1 | 32543 | 6 | 1260C | 7800 | 348 | 600> | 12C | 1 0 | 11 0 | 2.8 |
| 80 04 14 1320 | | | .3 | 1 | 32560 | 6 | | | | | | 5 0 | 11 0 | 0.2 |
| 80 05 20 1400 | | | .3 | 1 | 32577 | 6 | | | | | | 17 0 | 15 0 | 0.1< |
| 80 06 16 1340 | | | .3 | 1 | 32594 | 6 | 3000C | 28000 | 1500> | 610 | 4< | 14 0 | 14 5 | 0.3 |
| 80 07 14 1400 | | | .3 | 1 | 32611 | 6 | | | | | | 20 0 | 15 0 | 0.3 |
| 80 08 18 1300 | | | .3 | 1 | 32628 | 6 | | | | | | 18 0 | 10 5 | 0.4 |
| 80 09 15 1330 | | | .3 | 1 | 32645 | 6 | 2500 | 17200 | 196 | 268 | 4< | 14 0 | 10 5 | 0.4 |
| 80 10 20 1330 | | | .3 | 1 | 32662 | 6 | 2900 | 12800 | 396 | 600> | 4 | 7 0 | 11 0 | 0.6 |
| 80 11 17 1330 | | | .3 | 1 | 32678 | 6 | 110 | 190 | 28 | 50I | 4 | 1 0 | 13 5 | 1.0 |
| 80 12 15 1330 | | | .3 | 1 | 32695 | 6 | | | | | | 0 0 | 13 0 | 1.2 |
| MAXIMUM | | | | | | | 3000 | 37000 | 1500> | 772> | 12 | 20.0 | 15.0 | 2.8 |
| ARITH MEAN | | | | | | | 1567 | 14716 | 416B | 440G | 5L | 8.1 | 12.4 | 0.7L |
| GEOM MEAN | | | | | | | 719 | 3525 | 175B | 328G | 5L | 4.3 | 12.3 | 0.5L |
| MINIMUM | | | | | | | 30 | 20 | 10< | 50 | 4< | 0.0 | 10.5 | 0.1< |
| STD DEV | | | | | | | 1258 | 13891 | 507B | 271G | 3L | 8.0 | 1.7 | 0.8L |
| NO OF SAMPLES | | | | | | | 7 | 7 | 7 | 7 | 7 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 14 1200 | | | .3 | 1 | 0.080 | 0.042 | 0.085 | 0 620 | 0.020 | 2.380 | 2.485 | 0.535 | 3.020 | 278.0 |
| 80 02 11 1320 | | | .3 | 1 | 0.019 | 0.008 | 0.035 | 0 290 | 0.007 | 2.340 | 2.382 | 0.255 | 2.637 | 414.0 |
| 80 03 17 1325 | | | .3 | 1 | 0.132 | 0.025 | 0.420 | 1 400 | 0.014 | 2.890 | 3.324 | 0.980 | 4.304 | 280.0 |
| 80 04 14 1320 | | | .3 | 1 | 0.037 | 0.013 | 0.020 | 0 440 | 0.009 | 2.490 | 2.519 | 0.420 | 2.939 | 340.0 |
| 80 05 20 1400 | | | .3 | 1 | 0.036 | 0.006 | 0.025 | 0 630 | 0.010 | 2.090 | 2.125 | 0.605 | 2.730 | 396.0 |
| 80 06 16 1340 | | | .3 | 1 | 0.020 | 0.002 | 0.015 | 0 620 | 0.008 | 1.440 | 1.463 | 0.505 | 1.968 | 396.0 |
| 80 07 14 1400 | | | .3 | 1 | 0.033 | 0.001 | 0.020 | 0 450 | 0.009 | 1.600 | 1.629 | 0.430 | 2.059 | 422.0 |
| 80 08 18 1300 | | | .3 | 1 | 0.029 | 0.007 | 0.025 | 0 390 | 0.014 | 1.650 | 1.689 | 0.365 | 2.054 | 408.8 |
| 80 09 15 1330 | | | .3 | 1 | 0.033 | 0.012 | 0.005 | 0 46 | 0.005 | 1.44 | 1.450 | 0.455 | 1.905 | 384.0 |
| 80 10 20 1330 | | | .3 | 1 | 0.050 | 0.019 | 0.005 | 0 65 | 0.007 | 2.49 | 2.502 | 0.645 | 3.147 | 448.0 |
| 80 11 17 1330 | | | .3 | 1 | 0.016 | 0.006 | 0.015 | 0 410 | 0.005 | 2.500 | 2.520 | 0.395 | 2.915 | 423.4 |
| 80 12 15 1330 | | | .3 | 1 | 0.045 | 0.007 | 0.240 | 0 770 | 0.011 | 3.000 | 3.251 | 0.530 | 3.781 | 430.6 |
| MAXIMUM | | | | | 0.132 | 0.042 | 0.420 | 1.400 | 0.020 | 3.000 | 3.324 | 0.980 | 4.304 | 448.0 |
| ARITH MEAN | | | | | 0.044 | 0.012 | 0.076 | 0.58 | 0.010 | 2.19 | 2.278 | 0.510 | 2.788 | 386.1 |
| GEOM MEAN | | | | | 0.037 | 0.008 | 0.029 | 0.53 | 0.009 | 2.12 | 2.196 | 0.484 | 2.702 | 380.8 |
| MINIMUM | | | | | 0.016 | 0.001 | 0.005 | 0.290 | 0.005 | 1.440 | 1.450 | 0.255 | 1.905 | 278.0 |
| STD DEV | | | | | 0.033 | 0.012 | 0.126 | 0.28 | 0.004 | 0.54 | 0.633 | 0.182 | 0.742 | 56.4 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 14 1200 | | | .3 | 1 | 31.0 | 247.0 | 475.0 | 20.00 | 9.000 | |
| 80 02 11 1320 | | | .3 | 1 | 10.0 | 404.0 | 610 0 | 6.00 | 10.000 | |
| 80 03 17 1325 | | | .3 | 1 | 66.0 | 238.000 | 366.0 | 29.00 | 8.000 | |
| 80 04 14 1320 | | | .3 | 1 | 6.5 | 333.5 | 555.0 | 4.00 | 11.000 | |
| 80 05 20 1400 | | | .3 | 1 | 20.0 | 376.0 | 590.0 | 12 | 12.000 | |
| 80 06 16 1340 | | | .3 | 1 | 7.5 | 388.5 | 560.0 | 5.50 | 8.000 | 8.29 |
| 80 07 14 1400 | | | .3 | 1 | 14.6 | 407.0 | 560.0 | 4.10 | 6.000 | |
| 80 08 18 1300 | | | .3 | 1 | 13.0 | 395.8 | 585.0 | 8.40 | 7.000 | 8.19 |
| 80 09 15 1330 | | | .3 | 1 | 6.1 | 377.9 | 615 | 5 4 | 8.0 | 8.20 |
| 80 10 20 1330 | | | .3 | 1 | 5.3 | 442.7 | 665 | 4 5 | 14.5 | 8.05 |
| 80 11 17 1330 | | | .3 | 1 | 7.1 | 416.3 | 670.0 | 1.70 | 12.500 | |
| 80 12 15 1330 | | | .3 | 1 | 7.1 | 423.5 | 640.0 | 3.70 | 13.500 | 7.86 |
| MAXIMUM | | | | | 66.0 | 442.7 | 670.0 | 29.00 | 14.5 | 8.29 |
| ARITH MEAN | | | | | 16.2 | 370.8 | 574 | 8 | 9.9 | 8.12 |
| GEOM MEAN | | | | | 11.6 | 364.4 | 567 | 6 | 9.6 | 8.12 |
| MINIMUM | | | | | 5.3 | 238.000 | 366.0 | 1.70 | 6.000 | 7.86 |
| STD DEV | | | | | 17.4 | 65.9 | 84 | 8 | 2.7 | 0.17 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 5 |

| | | |
|---|---|---|
| BOW/SITE **SOUTH SAUGEEN RIVER**<br>SAMPLE POINT **AT 7THAVE SOUTH OF HANOVER**<br>STATION TYPE **RIVER** | MAJOR BASIN **GREAT LAKES**<br>MINOR BASIN **LAKE HURON**<br>TERM STREAM **SAUGEEN RIVER** | STATION ID **08-0123-046-02**<br>STORET CODE **02**<br>**002**<br>**1280** |
| LAT LONG | U T M **17 0497700.0 4886550.0 4** | REGION **01** DISTANCE **96.880** |

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 14 1530 | | 3 | 1 | 32512 | 6 | 528C | 3440 | 148 | 396 | 4< | 0.0 | 13.0 | 1.0 |
| 80 03 17 1425 | | 3 | 1 | 32547 | 6 | 128 | 128 | 12 | 436 | 4< | 2.5 | 11.0 | 0.7 |
| 80 04 14 1450 | | 3 | 1 | 32564 | 6 | | | | | | 5.0 | 11.5 | 2.5 |
| 80 05 20 1540 | | 3 | 1 | 32581 | 6 | | | | | | 18.0 | 14.0 | 0.4 |
| 80 06 16 1530 | | 3 | 1 | 32598 | 6 | 180 | 1900 | 160 | 44 | 4< | 17.0 | 14.5 | 0.3 |
| 80 07 14 1545 | | 3 | 1 | 32615 | 6 | 150 | 1608 | 64 | 68 | 4< | 22.0 | 14.0 | 0.1< |
| 80 08 18 1450 | | 3 | 1 | 32632 | 6 | | | | | | 20.0 | 10.5 | 0.7 |
| 80 09 15 1500 | | 3 | 1 | 32649 | 6 | 270 | 300 | 40 | 20 | 4< | 16.0 | 11.5 | 0.5 |
| 80 10 20 1505 | | 3 | 1 | 32666 | 6 | 360 | 1650 | 40I | 156 | 4< | 7.5 | 11.5 | 0.8 |
| 80 11 17 1510 | | 3 | 1 | 32682 | 6 | 40I | 280 | 4 | 100 | 4 | 0.0 | 11.0 | 1.2 |
| 80 12 15 1300 | | 3 | 1 | 32699 | 6 | | | | | | 0.0 | 12.5 | 0.8 |
| **MAXIMUM** | | | | | | **528** | **3440** | **160** | **436** | **4** | **22.0** | **14.5** | **2.5** |
| **ARITH MEAN** | | | | | | **237** | **1329** | **67** | **174** | **4L** | **9.8** | **12.3** | **0.8L** |
| **GEOM MEAN** | | | | | | **184** | **787** | **38** | **107** | **4L** | **5.7** | **12.2** | **0.6L** |
| **MINIMUM** | | | | | | **40** | **128** | **4** | **20** | **4<** | **0.0** | **10.5** | **0.1<** |
| **STD DEV** | | | | | | **165** | **1195** | **63** | **171** | **0L** | **8.8** | **1.4** | **0.6L** |
| **NO OF SAMPLES** | | | | | | **7** | **7** | **7** | **7** | **7** | **11** | **11** | **11** |

| TEST-NAME: | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 14 1530 | | 3 | 1 | 0.034 | 0.006 | 0.075 | 0.580 | 0.009 | 1.670 | 1.754 | 0.505 | 2.259 | 340.0 |
| 80 03 17 1425 | | 3 | 1 | 0.029 | 0.004 | 0.075 | 0.410 | 0.007 | 1.820 | 1.902 | 0.335 | 2.237 | 560.0 |
| 80 04 14 1450 | | 3 | 1 | 0.028 | 0.001 | 0.015 | 0.430 | 0.004 | 1.090 | 1.109 | 0.415 | 1.524 | 306.0 |
| 80 05 20 1540 | | 3 | 1 | 0.022 | 0.004 | 0.050 | 0.630 | 0.005 | 0.740 | 0.795 | 0.580 | 1.375 | 392.0 |
| 80 06 16 1530 | | 3 | 1 | 0.016 | 0.003 | 0.080 | 0.510 | 0.013 | 0.860 | 0.953 | 0.430 | 1.383 | 620.0 |
| 80 07 14 1545 | | 3 | 1 | 0.017 | 0.001 | 0.030 | 0.420 | 0.006 | 0.440 | 0.476 | 0.390 | 0.866 | 749.0 |
| 80 08 18 1450 | | 3 | 1 | 0.013 | 0.002 | 0.035 | 0.430 | 0.004 | 0.420 | 0.459 | 0.395 | 0.854 | 731.2 |
| 80 09 15 1500 | | 3 | 1 | 0.013 | 0.003 | 0.015 | 0.37 | 0.004 | 0.58 | 0.599 | 0.355 | 0.954 | 683.6 |
| 80 10 20 1505 | | 3 | 1 | 0.014 | 0.002 | 0.005 | 0.50 | 0.002 | 0.58 | 0.587 | 0.495 | 1.082 | 430.4 |
| 80 11 17 1510 | | 3 | 1 | 0.009 | 0.002 | 0.010 | 0.480 | 0.002 | 0.950 | 0.962 | 0.470 | 1.432 | 434.8 |
| 80 12 15 1300 | | 3 | 1 | 0.018 | 0.001 | 0.010 | 0.450 | 0.004 | 1.620 | 1.634 | 0.440 | 2.074 | 449.6 |
| **MAXIMUM** | | | | **0.034** | **0.006** | **0.080** | **0.630** | **0.013** | **1.820** | **1.902** | **0.580** | **2.259** | **749.0** |
| **ARITH MEAN** | | | | **0.019** | **0.003** | **0.036** | **0.47** | **0.006** | **0.97** | **1.021** | **0.437** | **1.458** | **517.9** |
| **GEOM MEAN** | | | | **0.018** | **0.002** | **0.025** | **0.46** | **0.005** | **0.86** | **0.906** | **0.432** | **1.375** | **495.9** |
| **MINIMUM** | | | | **0.009** | **0.001** | **0.005** | **0.37** | **0.002** | **0.420** | **0.459** | **0.335** | **0.854** | **306.0** |
| **STD DEV** | | | | **0.008** | **0.002** | **0.029** | **0.07** | **0.003** | **0.51** | **0.523** | **0.072** | **0.525** | **158.2** |
| **NO OF SAMPLES** | | | | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** |

| TEST-NAME: | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 14 1530 | | 3 | 1 | 32.0 | 308.0 | 490.0 | 10.00 | 7.000 | |
| 80 03 17 1425 | | 3 | 1 | 25.5 | 534.5 | 800.0 | 12.00 | 9.500 | |
| 80 04 14 1450 | | 3 | 1 | 22.0 | 284.0 | 464.0 | 4.70 | 7.000 | |
| 80 05 20 1540 | | 3 | 1 | 3.0 | 389.0 | 560.0 | 3.00 | 7.000 | |
| 80 06 16 1530 | | 3 | 1 | 5.5 | 614.5 | 730.0 | 3.50 | 7.500 | 8.30 |
| 80 07 14 1545 | | 3 | 1 | 2.6 | 746.0 | 860.0 | 1.40 | 9.000 | |
| 80 08 18 1450 | | 3 | 1 | 4.1 | 727.1 | 860.0 | 2.20 | 9.000 | 8.28 |
| 80 09 15 1500 | | 3 | 1 | 2.4 | 681.2 | 890 | 2.5 | 8.5 | 8.29 |
| 80 10 20 1505 | | 3 | 1 | 8.3 | 422.1 | 625 | 4.0 | 8.0 | 8.30 |
| 80 11 17 1510 | | 3 | 1 | 3.3 | 431.5 | 645.0 | 1.50 | 9.000 | |
| 80 12 15 1300 | | 3 | 1 | 8.7 | 440.9 | 610.0 | 2.70 | 8.000 | 8.12 |
| **MAXIMUM** | | | | **32.0** | **746.0** | **890** | **12.00** | **9.500** | **8.30** |
| **ARITH MEAN** | | | | **10.7** | **507.2** | **684** | **4.3** | **8.1** | **8.26** |
| **GEOM MEAN** | | | | **6.9** | **482.7** | **669** | **3.4** | **8.0** | **8.26** |
| **MINIMUM** | | | | **2.4** | **284.0** | **464.0** | **1.40** | **7.000** | **8.12** |
| **STD DEV** | | | | **10.6** | **163.9** | **152** | **3.4** | **0.9** | **0.08** |
| **NO OF SAMPLES** | | | | **11** | **11** | **11** | **11** | **11** | **5** |

B.O.W./ SITE: **SAUBLE RIVER**
SAMPLE POINT: **AT BRIDGE FIRST CONCESSION NORTH OF TARA**
STATION TYPE: **RIVER FLOW GAUGE MOE 02FA101**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SAUBLE RIVER**

STATION ID: **08-0135-002-02**
STORET CODE: **02**
**002**
**1410**

LAT. LONG. U T M: **17 0486795.0 4924925.0 4** REGION: **01** DISTANCE: **44.800**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST-NAME: | | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 03 03 1430 | | | .3 | 1 | 30320 | 4 | 310C | 2900 | 20 | 348 | 4< | 0.8 | 10.9 | 0.4 |
| 80 04 08 1445 | | | .3 | 1 | 30336 | 3 | 800C | 3900 | 44 | 72 | 4< | 12.0 | 11.9 | 0.2 |
| 80 05 06 1550 | | | .3 | 1 | 30353 | 3 | 170 | 2100 | 12 | 4 | 4< | 19.2 | 13.9 | 0.9 |
| 80 06 02 1520 | | | .3 | 1 | 30369 | 6 | 470C | 4860 | 148 | 4< | 4< | 16.0 | 8.7 | 1.5 |
| 80 07 08 1550 | | | .3 | 1 | 30385 | 6 | 6500 | 21000 | 304 | 88 | 4< | 23.1 | 9.8 | 0.3 |
| 80 08 05 1700 | | | .3 | 1 | 30401 | 3 9 | 28000> | 70000 | 1500> | 600> | 152 | 22.8 | 7.3 | 2.4 |
| 80 09 03 1545 | | | .3 | 1 | 30416 | 3 | 1800 | 6300 | 380 | 220 | 4< | 22.0 | 10.4 | 0.5 |
| 80 10 07 1445 | | | .3 | 1 | 30432 | 3 | 4900 | 18000 | 140 | 400 | 4 | 10.5 | 12.6 | 0.5 |
| 80 11 03 1500 | | | .3 | 1 | 30448 | 6 | 18000 | 38000 | 30I | 20I | 4< | 7.2 | 16.6 | 0.7 |
| 80 12 01 1600 | | | .3 | 1 | 30464 | 6 | 2200 | 9300 | 140 | 40I | 4 | 1.6 | 17.2 | 0.2 |
| MAXIMUM | | | | | | | 28000> | 70000 | 1500> | 600> | 152 | 23.1 | 17.2 | 2.4 |
| ARITH MEAN | | | | | | | 6315G | 17636 | 272G | 1808 | 19L | 13.5 | 11.9 | 0.8 |
| GEOM MEAN | | | | | | | 2042G | 9622 | 105G | 668 | 6L | 9.2 | 11.5 | 0.6 |
| MINIMUM | | | | | | | 170 | 2100 | 12 | 4< | 4< | 0.8 | 7.3 | 0.2 |
| STD DEV | | | | | | | 9337G | 21542 | 449G | 2068 | 47L | 8.5 | 3.2 | 0.7 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST-NAME: | | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 03 03 1430 | | | .3 | 1 | 0.051 | 0.039 | 0.050 | 0.460 | 0.009 | 1.870 | 1.929 | 0.410 | 2.339 | 388.0 |
| 80 04 08 1445 | | | .3 | 1 | 0.025 | 0.009 | 0.015 | 0.410 | 0.006 | 0.830 | 0.851 | 0.395 | 1.246 | 258.0 |
| 80 05 06 1550 | | | .3 | 1 | 0.065 | 0.037 | 0.045 | 0.650 | 0.009 | 0.520 | 0.574 | 0.605 | 1.179 | 302.0 |
| 80 06 02 1520 | | | .3 | 1 | 0.093 | 0.052 | 0.040 | 0.870 | 0.045 | 1.350 | 1.435 | 0.830 | 2.265 | 292.0 |
| 80 07 08 1550 | | | .3 | 1 | 0.076 | 0.039 | 0.050 | 0.590 | 0.015 | 0.440 | 0.505 | 0.540 | 1.045 | 320.0 |
| 80 08 05 1700 | | | .3 | 1 | 0.153 | 0.058 | 0.055 | 0.89 | 0.025 | 0.53 | 0.610 | 0.835 | 1.445 | 266.1 |
| 80 09 03 1545 | | | .3 | 1 | 0.108 | 0.083 | 0.040 | 0.550 | 0.016 | 0.710 | 0.766 | 0.510 | 1.276 | 303.0 |
| 80 10 07 1445 | | | .3 | 1 | 0.086 | 0.059 | 0.015 | 0.660 | 0.008 | 0.630 | 0.653 | 0.645 | 1.298 | 339.8 |
| 80 11 03 1500 | | | .3 | 1 | 0.024 | 0.012 | 0.005 | 0.420 | 0.004 | 0.760 | 0.769 | 0.415 | 1.184 | 372.2 |
| 80 12 01 1600 | | | 3 | 1 | 0.028 | 0.014 | 0.005 | 0.46 | 0.004 | 1.13 | 1.139 | 0.455 | 1.594 | 373.0 |
| MAXIMUM | | | | | 0.153 | 0.083 | 0.055 | 0.89 | 0.045 | 1.870 | 1.929 | 0.835 | 2.339 | 388.0 |
| ARITH MEAN | | | | | 0.071 | 0.040 | 0.032 | 0.59 | 0.014 | 0.87 | 0.923 | 0.564 | 1.487 | 321.4 |
| GEOM MEAN | | | | | 0.060 | 0.032 | 0.024 | 0.57 | 0.011 | 0.79 | 0.844 | 0.544 | 1.434 | 318.5 |
| MINIMUM | | | | | 0.024 | 0.009 | 0.005 | 0.410 | 0.004 | 0.440 | 0.505 | 0.395 | 1.045 | 258.0 |
| STD DEV | | | | | 0.041 | 0.024 | 0.020 | 0.17 | 0.013 | 0.44 | 0.452 | 0.164 | 0.455 | 45.6 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST-NAME: | | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 03 03 1430 | | | .3 | 1 | 1.0 | 387.0 | 620.0 | 1.70 | 8.500 | 7.71 | 6.6 |
| 80 04 08 1445 | | | .3 | 1 | 4.0 | 278.000 | 428.0 | 2.60 | 7.000 | 8.25 | 8.5 |
| 80 05 06 1550 | | | .3 | 1 | 5.0 | 297.0 | 505.0 | 2.70 | 7.500 | 8.32 | 8.1 |
| 80 06 02 1520 | | | .3 | 1 | 14.0 | 278.0 | 462.0 | 1.50 | 8.500 | 8.21 | |
| 80 07 08 1550 | | | .3 | 1 | 4.3 | 316.0 | 478.0 | 2.40 | 9.000 | | 8.4 |
| 80 08 05 1700 | | | .3 | 1 | 26.1 | 240.0 | 362 | 21 | 6.5 | 7.89 | 7.9 |
| 80 09 03 1545 | | | .3 | 1 | 2.6 | 300.4 | 505.0 | 1.70 | 9.000 | 8.28 | |
| 80 10 07 1445 | | | 3 | 1 | 7.9 | 331.9 | 540.0 | 4.60 | 7.500 | 8.15 | 8.0 |
| 80 11 03 1500 | | | .3 | 1 | 2.2 | 370.0 | 600.0 | 1.50 | 9.000 | 8.25 | 8.1 |
| 80 12 01 1600 | | | .3 | 1 | 3.7 | 369.3 | 599 | 1.7 | 9.0 | 8.25 | 8.3 |
| MAXIMUM | | | | | 26.1 | 387.0 | 620.0 | 21 | 9.000 | 8.32 | 8.5 |
| ARITH MEAN | | | | | 7.1 | 316.7 | 509 | 4 | 8.1 | 8.15 | 8.0 |
| GEOM MEAN | | | | | 4.7 | 313.5 | 503 | 2 | 8.0 | 8.14 | 8.0 |
| MINIMUM | | | | | 1.0 | 240.0 | 362 | 1.50 | 6.5 | 7.71 | 6.6 |
| STD DEV | | | | | 7.6 | 47.5 | 82 | 6 | 0.9 | 0.21 | 0.6 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 9 | 8 |

B.O.W./ SITE: **SAUBLE RIVER**
SAMPLE POINT: **AT SAUBLE FALLS**
STATION TYPE: **RIVER FLOW GAUGE FED 02FA001**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SAUBLE RIVER**

STATION ID: **08-0135-003-02**
STORET CODE: **02**
**002**
**1410**

LAT. LONG: U T M: **17 0479745.0 4946850.0 4** REGION: **01** DISTANCE: **3.219**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST-NAME: | | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 02 05 1320 | | | .3 | 1 | 30308 | 4 | 11.600 | 32 | 244 | 4< | 4 | 4< | 1.0 | 12.2 |
| 80 03 03 1310 | | | .3 | 1 | 30319 | 4 | 7.120 | 40 | 440 | 8 | 4 | 4< | 1.5 | 13.1 |
| 80 04 08 1310 | | | .3 | 1 | 30334 | 6 | 42.300 | 50I | 920 | 4< | 72 | 4< | 9.0 | 11.1 |
| 80 05 06 1410 | | | .3 | 1 | 30351 | 6 | 15.200 | 148 | 760 | 4 | 4< | 4< | 15.9 | 10.4 |
| 80 06 02 1400 | | | .3 | 1 | 30367 | 3 | 7.270 | 220 | 1910 | 32 | 4< | 4< | 14.9 | 6.8 |
| 80 07 08 1410 | | | .3 | 1 | 30383 | 6 | 4.240 | 520 | 800 | 4 | 12 | 4< | 20.1 | 7.8 |
| 80 08 05 1510 | | | .3 | 1 | 30399 | 6 3 | 16.000 | 260C | 3000 | 24 | 16 | 4< | 23.0 | 8.1 |
| 80 09 03 1420 | | | 3 | 1 | 30414 | 6 8 | 7.360 | 1700 | 4000 | 92 | 120 | 4< | 21.0 | 6.8 |
| 80 10 07 1315 | | | .3 | 1 | 30430 | 6 | 16.800 | 680C | 4400 | 104 | 68 | 4< | 11.0 | 11.8 |
| 80 11 03 1400 | | | .3 | 1 | 30446 | 6 | 9.630 | 110 | 1350 | 8 | 8 | 4< | 6.2 | 13.0 |
| 80 12 01 1430 | | | 3 | 1 | 30462 | 6 3 | 14.700 | 140 | 1160 | 12 | 20 | 4< | 1.6 | 14.9 |
| MAXIMUM | | | | | | | 42.300 | 1700 | 4400 | 104 | 120 | 4 | 23.0 | 14.9 |
| ARITH MEAN | | | | | | | 13.838 | 355 | 1726 | 27L | 30L | 4L | 11.4 | 10.6 |
| GEOM MEAN | | | | | | | 11.486 | 176 | 1227 | 13L | 14L | 4L | 7.4 | 10.2 |
| MINIMUM | | | | | | | 4.240 | 32 | 244 | 4< | 4< | 4< | 1.0 | 6.8 |
| STD DEV | | | | | | | 10.360 | 491 | 1440 | 36L | 39L | 0L | 8.2 | 2.8 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

B O W / SITE **SAUBLE RIVER**
SAMPLE POINT **AT SAUBLE FALLS**
STATION TYPE **RIVER FLOW GAUGE FED 02FAU01**
MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SAUBLE RIVER**
STATION ID **08-0135-003-02**
STORET CODE **02**
**002**
**1410**
LAT
LONG
U T M **17 0479745.0 4946850.0 4**
REGION **01**
DISTANCE **3.219**

| TEST-NAME: | | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 02 05 1320 | | | 3 | 1 | 0.3 | 0.004 | 0.001 | 0.035 | 0.300 | 0.003 | 0.570 | 0.608 | 0.265 | 0.873 |
| 80 03 03 1310 | | | 3 | 1 | 1.1 | 0.013 | 0.002 | 0.055 | 0.460 | 0.004 | 0.570 | 0.629 | 0.405 | 1.034 |
| 80 04 08 1310 | | | 3 | 1 | 0.4 | 0.013 | 0.003 | 0.010 | 0.330 | 0.003 | 0.390 | 0.403 | 0.320 | 0.723 |
| 80 05 06 1410 | | | 3 | 1 | 1.4 | 0.021 | 0.002 | 0.015 | 0.420 | 0.002 | 0.080 | 0.097 | 0.405 | 0.502 |
| 80 06 02 1400 | | | 3 | 1 | 1.0 | 0.019 | 0.003 | 0.030 | 0.490 | 0.003 | 0.100 | 0.133 | 0.460 | 0.593 |
| 80 07 08 1410 | | | 3 | 1 | 0.1 | 0.020 | 0.002 | 0.020 | 0.510 | 0.003 | 0.050 | 0.073 | 0.490 | 0.563 |
| 80 08 05 1510 | | | 3 | 1 | 0.7 | 0.031 | 0.009 | 0.025 | 0.61 | 0.002 | 0.09 | 0.117 | 0.585 | 0.702 |
| 80 09 03 1420 | | | 3 | 1 | 0.5 | 0.026 | 0.007 | 0.040 | 0.590 | 0.004 | 0.120 | 0.164 | 0.550 | 0.714 |
| 80 10 07 1315 | | | 3 | 1 | 0.4 | 0.030 | 0.011 | 0.020 | 0.610 | 0.003 | 0.330 | 0.353 | 0.590 | 0.943 |
| 80 11 03 1400 | | | 3 | 1 | 1.5 | 0.014 | 0.001 | 0.050 | 0.650 | 0.002 | 0.210 | 0.262 | 0.600 | 0.862 |
| 80 12 01 1430 | | | 3 | 1 | 0.2 | 0.012 | 0.001 | 0.010 | 0.50 | 0.002 | 0.37 | 0.382 | 0.490 | 0.872 |
| MAXIMUM | | | | | 1.5 | 0.031 | 0.011 | 0.055 | 0.650 | 0.004 | 0.570 | 0.629 | 0.600 | 1.034 |
| ARITH MEAN | | | | | 0.7 | 0.018 | 0.004 | 0.028 | 0.49 | 0.003 | 0.26 | 0.293 | 0.469 | 0.762 |
| GEOM MEAN | | | | | 0.5 | 0.016 | 0.003 | 0.024 | 0.48 | 0.003 | 0.19 | 0.231 | 0.455 | 0.744 |
| MINIMUM | | | | | 0.1 | 0.004 | 0.001 | 0.010 | 0.300 | 0.002 | 0.050 | 0.073 | 0.265 | 0.502 |
| STD DEV | | | | | 0.5 | 0.008 | 0.004 | 0.015 | 0.11 | 0.001 | 0.19 | 0.199 | 0.112 | 0.169 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 02 05 1320 | | | 3 | 1 | 242.0 | 3.5 | 238.5 | 443.0 | 0.95 | 5.000 | 7.83 | |
| 80 03 03 1310 | | | 3 | 1 | 306.0 | 0.5< | | 485.0 | 1.10 | 6.500 | 7.49 | 7.5 |
| 80 04 08 1310 | | | 3 | 1 | 216.0 | 3.0 | 228.000 | 351.0 | 1.60 | 5.500 | 8.09 | 8.2 |
| 80 05 06 1410 | | | 3 | 1 | 274.0 | 1.5 | 234.000 | 376.0 | 0.10 | 5.000 | 8.25 | 8.1 |
| 80 06 02 1400 | | | 3 | 1 | 260.0 | 12.0 | 248.0 | 404.0 | 1.20 | 5.500 | 8.09 | |
| 80 07 08 1410 | | | 3 | 1 | 250.0 | 2.2 | 251.000 | 387.0 | 1.60 | 6.000 | 8.08 | 8.2 |
| 80 08 05 1510 | | | 3 | 1 | 244.6 | 2.7 | 241.9 | 397 | 1.2 | 5.0 | 8.11 | 7.9 |
| 80 09 03 1420 | | | 3 | 1 | 260.4 | 2.5 | 257.9 | 434.0 | 1.50 | 7.500 | 8.09 | |
| 80 10 07 1315 | | | 3 | 1 | 268.2 | 4.9 | 263.3 | 440.0 | 1.80 | 5.500 | 8.14 | 8.1 |
| 80 11 03 1400 | | | 3 | 1 | 290.4 | 3.3 | 287.1 | 474.0 | 1.30 | 7.000 | 8.16 | 8.6 |
| 80 12 01 1430 | | | 3 | 1 | 293.5 | 2.4 | 291.1 | 471 | 1.0 | 7.5 | 8.18 | 8.4 |
| MAXIMUM | | | | | 306.0 | 12.0 | 291.1 | 485.0 | 1.80 | 7.500 | 8.25 | 8.6 |
| ARITH MEAN | | | | | 264.1 | 3.5L | 254.0 | 423 | 1.2 | 6.0 | 8.05 | 8.1 |
| GEOM MEAN | | | | | 262.9 | 2.7L | 253.3 | 421 | 1.0 | 5.9 | 8.04 | 8.1 |
| MINIMUM | | | | | 216.0 | 0.5< | 228.000 | 351.0 | 0.10 | 5.000 | 7.49 | 7.5 |
| STD DEV | | | | | 26.1 | 3.0L | 21.2 | 43 | 0.4 | 0.9 | 0.21 | 0.3 |
| NO OF SAMPLES | | | | | 11 | 11 | 10 | 11 | 11 | 11 | 11 | 8 |

B O W / SITE **ALBEMARBLE BROOK**
SAMPLE POINT **AT HIGHWAY NO 6 NEAR MAR MOE SW A3**
STATION TYPE **RIVER FLOW GAUGE MOE 02FA102**
MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SAUBLE RIVER**
STATION ID **08-0135-004-02**
STORET CODE **02**
**002**
**1410**
LAT
LONG
U T M **17 0482700.0 4964350.0 4**
REGION **01**
DISTANCE **25.105**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 04 08 1350 | | | 3 | 1 | 30335 | 3 | 410C | 6600 | 4< | 4< | 4< | 11.2 | 11.2 | 0.3 |
| 80 05 06 1435 | | | 3 | 1 | 30352 | 3 | 430C | 2700 | 12 | 4< | 4< | 15.0 | 9.8 | 0.4 |
| 80 06 02 1430 | | | 3 | 1 | 30368 | 6 | 480C | 3060 | 40 | 28 | 4< | 13.9 | 7.9 | 0.8 |
| 80 07 08 1445 | | | 3 | 1 | 30384 | 6 | 2000 | 4200 | 312 | 72 | 4< | 22.1 | 8.4 | 0.1< |
| 80 08 05 1545 | | | 3 | 1 | 30400 | 6 3 | 1800 | 8400 | 30I | 132 | 4< | 23.1 | 8.3 | 0.8 |
| 80 09 03 1455 | | | 3 | 1 | 30415 | 6 | 1400 | 12000 | 60 | 136 | 4< | 19.8 | 9.2 | 0.7 |
| 80 10 07 1350 | | | 3 | 1 | 30431 | 6 3 | 2700C | 24200 | 30I | 110 | 4< | 9.0 | 12.0 | 0.7 |
| 80 11 03 1420 | | | 3 | 1 | 30447 | 6 3 | 120 | 1040 | 4< | 8 | 4< | 7.0 | 11.7 | 0.7 |
| 80 12 01 1510 | | | 3 | 1 | 30463 | 6 | 20I | 610 | 4 | 24 | 4< | 1.4 | 14.3 | 0.1 |
| MAXIMUM | | | | | | | 2700 | 24200 | 312 | 136 | 4 | 23.1 | 14.3 | 0.8 |
| ARITH MEAN | | | | | | | 1040 | 6979 | 55L | 58L | 4L | 13.6 | 10.3 | 0.5L |
| GEOM MEAN | | | | | | | 520 | 4136 | 20L | 28L | 4L | 10.8 | 10.1 | 0.4L |
| MINIMUM | | | | | | | 20 | 610 | 4< | 4< | 4< | 1.4 | 7.9 | 0.1< |
| STD DEV | | | | | | | 959 | 7426 | 98L | 56L | 0L | 7.3 | 2.1 | 0.3L |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 04 08 1350 | | | 3 | 1 | 0.008 | 0.003 | 0.005 | 0.220 | 0.001 | 0.060 | 0.066 | 0.215 | 0.281 | 182.00 |
| 80 05 06 1435 | | | 3 | 1 | 0.020 | 0.001 | 0.010 | 0.370 | 0.001 | 0.020 | 0.031 | 0.360 | 0.391 | 232.00 |
| 80 06 02 1430 | | | 3 | 1 | 0.014 | 0.003 | 0.005 | 0.380 | 0.002 | 0.020 | 0.027 | 0.375 | 0.402 | 238.00 |
| 80 07 08 1445 | | | 3 | 1 | 0.021 | 0.006 | 0.010 | 0.500 | 0.002 | 0.020 | 0.032 | 0.490 | 0.522 | 260.00 |
| 80 08 05 1545 | | | 3 | 1 | 0.021 | 0.011 | 0.050 | 0.46 | 0.006 | 0.31 | 0.366 | 0.410 | 0.776 | 248.0 |
| 80 09 03 1455 | | | 3 | 1 | 0.039 | 0.007 | 0.005 | 0.610 | 0.002 | 0.040 | 0.047 | 0.605 | 0.652 | 260.90 |
| 80 10 07 1350 | | | 3 | 1 | 0.012 | 0.001 | 0.005 | 0.430 | 0.001 | 0.010< | 0.016 | 0.425 | 0.441 | 274.40 |
| 80 11 03 1420 | | | 3 | 1 | 0.009 | 0.001< | 0.005 | 0.320 | 0.001 | 0.460 | 0.466 | 0.315 | 0.781 | 276.20 |
| 80 12 01 1510 | | | 3 | 1 | 0.009 | 0.002 | 0.005 | 0.28 | 0.001< | 0.02 | 0.026 | 0.275 | 0.301 | 260.6 |
| MAXIMUM | | | | | 0.039 | 0.011 | 0.050 | 0.610 | 0.006 | 0.460 | 0.466 | 0.605 | 0.781 | 276.20 |
| ARITH MEAN | | | | | 0.017 | 0.004L | 0.011 | 0.39 | 0.002L | 0.10 L | 0.120 | 0.386 | 0.505 | 248.0 |
| GEOM MEAN | | | | | 0.015 | 0.003L | 0.008 | 0.38 | 0.002L | 0.04 L | 0.057 | 0.370 | 0.474 | 246.3 |
| MINIMUM | | | | | 0.008 | 0.001< | 0.005 | 0.220 | 0.001< | 0.010< | 0.016 | 0.215 | 0.281 | 182.00 |
| STD DEV | | | | | 0.010 | 0.003L | 0.015 | 0.11 | 0.002L | 0.16 L | 0.170 | 0.116 | 0.191 | 28.8 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

(CONTD)

| | | | | TEST-NAME: | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | SIO3UR | ACDT | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | SILICATE UNF.REAC MG/L AS SI | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH |
| 80 04 08 1350 | | | .3 | 1 | 3.00 | 200.000 | 307.0 | 0.70 | 2.000 | 7.500 | 0.140 | 10.700 | 156.0 | 8.20 |
| 80 05 06 1435 | | | .3 | 1 | 2.00 | 241.000 | 371.0 | 0.80 | 2.900 | 4.500 | 0.480 | 0.000 | 198.0 | 8.32 |
| 80 06 02 1430 | | | .3 | 1 | 14.00 | 245.000 | 377.0 | 2.30 | 1.500 | 3.000 | 0.720 | 13.900 | 205.0 | 8.26 |
| 80 07 08 1445 | | | .3 | 1 | 4.60 | 256.000 | 392.0 | 1.90 | 1.500 | 5.000 | 1.360 | 9.800 | 218.0 | 8.24 |
| 80 08 05 1545 | | | .3 | 1 | 2.3 | 245.7 | 412 | 1.0 | 2.0 | 4.0 | 2.20 | 4.9 | 224 | 8.06 |
| 80 09 03 1455 | | | .3 | 1 | 5.70 | 255.20 | 420.0 | 1.60 | 2.500 | 3.000 | 4.000 | 13.500 | 232.0 | 8.20 |
| 80 10 07 1350 | | | .3 | 1 | 2.20 | 272.20 | 456.0 | 0.90 | 4.500 | 6.500 | | 3.900 | 245.0 | 8.14 |
| 80 11 03 1420 | | | .3 | 1 | 1.50 | 274.70 | 469.0 | 0.65 | 3.500 | 6.000 | 0.820 | 1.000 | 256.0 | 8.20 |
| 80 12 01 1510 | | | .3 | 1 | 2 0 | 258.6 | 462 | 0.9 | 3.5 | 6.0 | 0.38 | [illegible].7 | 260 | 8.15 |
| MAXIMUM | | | | | 14.00 | 274.70 | 469.0 | 2.30 | 4.500 | 7.500 | 4.000 | 13.900 | 260 | 8.32 |
| ARITH MEAN | | | | | 4.1 | 249.8 | 407 | 1.1 | 2.6 | 5.0 | 1.26 | 7.4 | 221 | 8.20 |
| GEOM MEAN | | | | | 3.1 | 248.8 | 404 | 1.0 | 2.4 | 4.8 | 0.80 | 5.3 | 219 | 8.20 |
| MINIMUM | | | | | 1.50 | 200.000 | 307.0 | 0.65 | 1.500 | 3.000 | 0.140 | 0.000 | 156.0 | 8.06 |
| STD DEV | | | | | 3.9 | 21.9 | 52 | 0.5 | 1.0 | 1.5 | 1.28 | 5.1 | 32 | 0.08 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 |

| | | | | TEST-NAME: | FWPH | PHNOL | FEUT | HARDT | CAUR | MGUR | COLAP | KKUR | NAUR | COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O |
| 80 04 08 1350 | | | .3 | 1 | 8.0 | 1.000< | 0.100 | 161 000 | 39.500 | 15.200 | 20.000 | 0.50 | 0.600 | |
| 80 05 06 1435 | | | .3 | 1 | 8.3 | | 0 130 | | 49.500 | 19.800 | 30.000 | 0.35 | 0.700 | |
| 80 06 02 1430 | | | .3 | 1 | | 1.000< | 0 570 | 208.000 | 49.000 | 20.800 | 30.000 | 0.25 | 0.800 | 13 |
| 80 07 08 1445 | | | .3 | 1 | 8.4 | 1.000< | 0 260 | 220.000 | 50.500 | 22.800 | 36.000 | 0.20 | 0.800 | 47 |
| 80 08 05 1545 | | | .3 | 1 | 7.8 | 1.0 < | 0 12 | 234 | 54.5 | 23.8 | 37 | 0.80 | 1 0 | 20 |
| 80 09 03 1455 | | | .3 | 1 | | 1 000< | 0 410 | 241 000 | 56 000 | 24.600 | 41.000 | 1.40 | 0.600 | 15 |
| 80 10 07 1350 | | | .3 | 1 | 7.9 | 1.000< | 0 160 | 248.000 | 60.500 | 23.600 | 29.000 | 1.60 | 2.700 | 148 |
| 80 11 03 1420 | | | .3 | 1 | 8.0 | 1.000< | 0.120 | 263.000 | 61.500 | 26.400 | 23.000 | 1.55 | 1.300 | 13 |
| 80 12 01 1510 | | | .3 | 1 | 8.2 | 1.0 < | 0 11 | 275 | 67.5 | 25.8 | 18 | 0.90 | 1.1 | 8 |
| MAXIMUM | | | | | 8.4 | 1.000 | 0.570 | 275 | 67.5 | 26.400 | 41.000 | 1.60 | 2.700 | 148 |
| ARITH MEAN | | | | | 8.1 | 1.0 L | 0.22 | 231 | 54.2 | 22.5 | 29 | 0.84 | 1.0 | 38 |
| GEOM MEAN | | | | | 8.1 | 1.0 L | 0.18 | 228 | 53.6 | 22.2 | 28 | 0.65 | 0.9 | 22 |
| MINIMUM | | | | | 7.8 | 1.000< | 0.100 | 161.000 | 39.500 | 15.200 | 18 | 0.20 | 0.600 | 8 |
| STD DEV | | | | | 0.2 | 0.0 L | 0.18 | 35 | 8.3 | 3.4 | 7 | 0.56 | 0.6 | 50 |
| NO OF SAMPLES | | | | | 7 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 7 |

| | | | | TEST-NAME: | GACF | GACP | GBCF | GBCP | HH3 | CS137 | CS134 | CO60 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | TRITIUM HYDROG-3 NCI/L | CESIUM 137 PCI/L | CESIUM 134 PCI/L | ·COBALT 60 PCI/L |
| 80 04 08 1350 | | | .3 | 1 | 1< | 1< | 1< | 1< | 0.32 | 30< | 30< | |
| 80 05 06 1435 | | | .3 | 1 | 1< | 1< | 2 | 1< | 0.34 | 15< | 15< | |
| 80 07 08 1445 | | | .3 | 1 | 1 | 1< | 1 | 1< | 0.34 | 15< | 15< | |
| 80 08 05 1545 | | | .3 | 1 | 1< | 1< | 2 | 1< | 0.31 | 15< | 15< | |
| 80 09 03 1455 | | | .3 | 1 | 1 | 1< | 2 | 1< | 0.38 | 15< | 15< | |
| 80 10 07 1350 | | | .3 | 1 | 1 | 1< | 2 | 1< | 0.31 | 15< | 15< | 15< |
| 80 12 01 1510 | | | .3 | 1 | 1 | 1< | 2 | 1< | 0.34 | 15< | 15< | 15< |
| MAXIMUM | | | | | 1 | 1 | 2 | 1 | 0.38 | 30 | 30 | 15 |
| ARITH MEAN | | | | | 1L | 1L | 2L | 1L | 0.33 | 17L | 17L | 15L |
| GEOM MEAN | | | | | 1L | 1L | 2L | 1L | 0.33 | 17L | 17L | 15L |
| MINIMUM | | | | | 1< | 1< | 1< | 1< | 0.31 | 15< | 15< | 15< |
| STD DEV | | | | | 0L | 0L | 0L | 0L | 0.02 | 6L | 6L | 0L |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 2 |

B.O.W / SITE **REDHILL CREEK**
SAMPLE POINT **AT BARTON STREET EAST HAMILTON**
STATION TYPE **RIVER FLOW GAUGE MOE 02HB107**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **REDHILL CREEK**

STATION ID: **09-0001-003-02**
STORET CODE: **02**
**004**
**4830**

LAT: LONG: U T M: **17 0599600.0 4788150.0 4** REGION: **02** DISTANCE: **3.701**

| | | | | TEST-NAME: | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 28 0920 | | | .3 | 1 | 28320 | 6 | 22000 | 30000 | 1900 | 200I | 1.5 | 13.8 | 1.0 | 0.058 |
| 80 02 28 0925 | | | .3 | 1 | 28355 | 6 | 91000 | 140000 | 14000 | 2640 | 1.2 | 12.2 | 1.2 | 0.138 |
| 80 03 26 0850 | | | .3 | 1 | 28411 | 3 | 28000 | 60000 | 1100 | 300I | 4.2 | 10.6 | 1.0 | 0.095 |
| 80 04 29 0900 | | | .3 | 1 | 28482 | 3 | 119000 | 160000 | 7300 | 5800 | 8.0 | 12.0 | 1.2 | 0.118 |
| 80 05 15 0905 | | | .3 | 1 | 28518 | 6 | 150000> | 150000 | 15000> | 3000> | 9.0 | 11.1 | 1.0 | 0.066 |
| 80 06 11 0930 | | | .3 | 1 | 28562 | 6 | 63000C | 240000 | 2100 | 1000 | 11.5 | 9.2 | 0.8 | 0.072 |
| 80 07 06 1200 | | | .3 | 1 | 80038 | 8 | | | | | 19.5 | 8.7 | | 0.114 |
| 80 07 07 0001 | | | .3 | 1 | 80039 | 8 | | | | | 21.0 | 7.0 | | 0.120 |
| 80 07 16 0915 | | | .3 | 1 | 28612 | 6 | 35000 | 160000 | 5600 | 900I | 23.0 | 6.9 | 1.6 | 0.092 |
| 80 08 18 0930 | | | .3 | 1 | 28648 | 6 0 | 29000 | 92000 | 1000 | 300I | 20.5 | 5.7 | 1.4 | 0.281 |
| 80 09 25 1050 | | | .3 | 1 | 28706 | 6 | 92000C | 380000 | 7000 | 740 | 17.0 | 10.2 | 1.2 | 0.154 |
| 80 10 22 0920 | | | .3 | 1 | 28749 | 6 | 41000 | 90000 | 2900 | 1460 | 8.0 | 10.4 | 1.6 | 0.104 |
| 80 11 20 0930 | | | .3 | 1 | 28791 | 6 | 8000 | 15000 | 1300 | 360 | 4.0 | 11.8 | 0 6 | 0.100 |
| 80 12 18 0925 | | | .3 | 1 | 28830 | 6 | 15000> | 15000> | 4950 | 840 | 1.0 | 10.3 | 1.2 | 0.086 |
| MAXIMUM | | | | | | | 150000> | 380000> | 15000> | 5800> | 23.0 | 13.8 | 1.6 | 0.281 |
| ARITH MEAN | | | | | | | 57750G | 127667G | 5348G | 1462G | 10.7 | 10.0 | 1.1 | 0.114 |
| GEOM MEAN | | | | | | | 41862G | 86032G | 3611G | 889G | 7.0 | 9.7 | 1.1 | 0.106 |
| MINIMUM | | | | | | | 8000 | 15000 | 1000 | 200 | 1.0 | 5.7 | 0.8 | 0.058 |
| STD DEV | | | | | | | 45385G | 104980G | 4829G | 1638G | 6.1 | 2.3 | 0.3 | 0.055 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 14 | 14 | 12 | 14 |

(CONTD)

B O W / SITE **REDHILL CREEK**
SAMPLE POINT **AT BARTON STREET EAST HAMILTON**
STATION TYPE **RIVER FLOW GAUGE MOE 02HB107**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ONTARIO**
TERM STREAM **REDHILL CREEK**

STATION ID: **09-0001-003-02**
STORET CODE: **02**
**004**
**4620**

LAT LONG U T M **17 0599600.0 4788150.0 4** REGION **02** DISTANCE **3.701**

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 28 0920 | | | 3 | 1 | 0.039 | 0.266 | 0.660 | 0.038 | 2.460 | 2.764 | 0.394 | 3.158 | 964.00 | 2.00 |
| 80 02 28 0925 | | | 3 | 1 | 0.083 | 0.690 | 1.400 | 0.044 | 2.460 | 3.194 | 0.710 | 3.904 | 1271.00 | 4.00 |
| 80 03 26 0850 | | | 3 | 1 | 0.039 | 0.260 | 2.000 | 0.063 | 2.790 | 3.113 | 1.740 | 4.853 | 732.00 | 25.00 |
| 80 04 29 0900 | | | 3 | 1 | 0.040 | 0.176 | 1.000 | 0.043 | 1.960 | 2.179 | 0.824 | 3.003 | 582.00 | 34.00 |
| 80 05 15 0905 | | | 3 | 1 | 0.038 | 0.096 | 0.550 | 0.033 | 1.420 | 1.549 | 0.454 | 2.003 | 839.00 | 2.00 |
| 80 06 11 0930 | | | 3 | 1 | 0.041 | 0.104 | 0.590 | 0.039 | 1.860 | 2.003 | 0.486 | 2.489 | 1013.00 | 5.00 |
| 80 07 06 1200 | | | 3 | 1 | 0.070 | 0.090 | 0.680 | 0.068 | 1.430 | 1.588 | 0.590 | 2.178 | | |
| 80 07 07 0001 | | | 3 | 1 | 0.074 | 0.094 | 0.640 | 0.061 | 1.340 | 1.495 | 0.546 | 2.041 | | |
| 80 07 16 0915 | | | .3 | 1 | 0.062 | 0.194 | 0.82 | 0.089 | 1.66 | 1.943 | 0.626 | 2.569 | 0.089 | 5 |
| 80 08 18 0930 | | | .3 | 1 | 0.270 | 0.290 | 0.940 | 0.076 | 0.904 | 1.270 | 0.650 | 1.920 | 959.00 | 2.00 |
| 80 09 25 1050 | | | .3 | 1 | 0.150 | 0.270 | 0.62 | 0.005 | 1.25 | 1.525 | 0.350 | 1.875 | 676 | 3 |
| 80 10 22 0920 | | | .3 | 1 | 0.077 | 0.150 | 0.590 | 0.052 | 1.500 | 1.702 | 0.440 | 2.142 | 928.00 | 6.00 |
| 80 11 20 0930 | | | .3 | 1 | 0.077 | 0.244 | 0.690 | 0.067 | 1.990 | 2.301 | 0.446 | 2.747 | 1138.00 | 4.00 |
| 80 12 18 0925 | | | .3 | 1 | 0.064 | 0.380 | 0.840 | 0.072 | 3.030 | 3.482 | 0.460 | 3.942 | 1519.00 | 6.00 |
| **MAXIMUM** | | | | | **0.270** | **0.690** | **2.000** | **0.089** | **3.030** | **3.482** | **1.740** | **4.853** | **1519.00** | **34.00** |
| **ARITH MEAN** | | | | | **0.080** | **0.236** | **0.85** | **0.064** | **1.88** | **2.151** | **0.623** | **2.773** | **885** | **8** |
| **GEOM MEAN** | | | | | **0.067** | **0.199** | **0.79** | **0.046** | **1.76** | **2.047** | **0.568** | **2.663** | **430** | **5** |
| **MINIMUM** | | | | | **0.038** | **0.090** | **0.550** | **0.005** | **0.904** | **1.270** | **0.350** | **1.875** | **0.089** | **2.00** |
| **STD DEV** | | | | | **0.062** | **0.158** | **0.39** | **0.022** | **0.62** | **0.719** | **0.347** | **0.908** | **380** | **10** |
| **NO OF SAMPLES** | | | | | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **12** | **12** |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | SSO4UR | ALKT | PH | FWPH | PHNOL | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE |
| 80 01 28 0920 | | | .3 | 1 | 962.00 | 1210.0 | 2.80 | 160.000 | 292.000 | 203 | 8.01 | | 1.000< | 0.160 |
| 80 02 28 0925 | | | 3 | 1 | 1267.00 | 1780.0 | 3.40 | 295.000 | 312.000 | 195.0 | 8.02 | | 1.000< | 0.210 |
| 80 03 26 0850 | | | 3 | 1 | 707.00 | 950.0 | 31.00 | 103.000 | 184.000 | 152.0 | 7.15 | | 1.000< | 1.700 |
| 80 04 29 0900 | | | .3 | 1 | 548.00 | 800.0 | 23.00 | 73.000 | 153.000 | 175.0 | 7.85 | | 1.000< | 1.700 |
| 80 05 15 0905 | | | 3 | 1 | 837.00 | 1150.0 | 2.20 | 137.000 | 247.000 | 189.0 | 7.86 | | 1.000< | 0.110 |
| 80 06 11 0930 | | | .3 | 1 | 1008.00 | 1300.0 | 4.40 | 86.000 | 317.000 | 182.0 | 8.10 | | 1.000< | 0.340 |
| 80 07 06 1200 | | | 3 | 1 | | 1400.0 | | | | | 8.14 | | | |
| 80 07 07 0001 | | | 3 | 1 | | 1350.0 | | | | | 8.00 | | | |
| 80 07 16 0915 | | | .3 | 1 | 1084 | 1300 | 2.0 | 122 | 366 | 131 | 7.86 | 7.4 | 1.0 < | 0.20 |
| 80 08 18 0930 | | | .3 | 1 | 957.00 | 1250.0 | 1.30 | 136.000 | 312.000 | 150.0 | 7.83 | 7.9 | 1.000< | 0.140 |
| 80 09 25 1050 | | | .3 | 1 | 673 | 1050 | 1.6 | 108 | 256 | 133 | 8.03 | 7.6 | 1 < | 0.15 |
| 80 10 22 0920 | | | 3 | 1 | 922.00 | 1340.0 | 2.00 | 127.000 | 414.000 | 135.0 | 8.03 | 7.4 | 1.000< | 0.170 |
| 80 11 20 0930 | | | 3 | 1 | 1134.00 | 1650.0 | 1.60 | 198.000 | 410.000 | 166.0 | 7.94 | 7.6 | 1.000< | 0.110 |
| 80 12 18 0925 | | | 3 | 1 | 1513.00 | 2250.0 | 3.30 | 307.000 | 361.000 | 213.0 | 8.18 | | 1.000< | 0.170 |
| **MAXIMUM** | | | | | **1613.00** | **2250.0** | **31.00** | **307.000** | **414.000** | **213.0** | **8.18** | **7.9** | **1.000** | **1.700** |
| **ARITH MEAN** | | | | | **967** | **1341** | **6.5** | **154** | **302** | **168** | **7.93** | **7.6** | **1 L** | **0.43** |
| **GEOM MEAN** | | | | | **933** | **1299** | **3.4** | **140** | **290** | **168** | **7.92** | **7.6** | **1 L** | **0.24** |
| **MINIMUM** | | | | | **548.00** | **800.0** | **1.30** | **73.000** | **153.000** | **131** | **7.15** | **7.4** | **1.000<** | **0.110** |
| **STD DEV** | | | | | **266** | **363** | **9.7** | **75** | **81** | **28** | **0.25** | **0.2** | **0 L** | **0.59** |
| **NO OF SAMPLES** | | | | | **12** | **14** | **12** | **12** | **12** | **12** | **14** | **5** | **12** | **12** |

| TEST-NAME: | | | | | COLAP | COD | ASUT | HGUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | CHEM. OX DEMAND MG/L AS O | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 01 28 0920 | | | 3 | 1 | 9.000 | 48 | 0.001< | 0.020< | 0.170 | 0.030 | 0.010< | 0.030< | 0.006 | 0.010 |
| 80 02 28 0925 | | | 3 | 1 | 16.000 | 10 | 0.001< | 0.020< | 0.140 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.020 |
| 80 03 26 0850 | | | 3 | 1 | 38.000 | 28 | 0.002 | 0.020< | 2.000 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.100 |
| 80 04 29 0900 | | | .3 | 1 | 35.000 | 10< | 0.003 | 0.02 < | 1.9 | 0.02 < | 0.01 < | 0.03 < | 0.005 < | 0.04 |
| 80 05 15 0905 | | | .3 | 1 | 30.000 | 44 | 0.001< | 0.030< | 0.040 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< |
| 80 06 11 0930 | | | .3 | 1 | 18.000 | 10< | 0.001 | 0.030< | 0.190 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010 |
| 80 07 16 0915 | | | .3 | 1 | 19 | 28 | 0.001 | 0.04 < | 0.30 | 0.020 | 0.01 | 0.03 < | 0.005 < | 0.02 |
| 80 08 18 0930 | | | .3 | 1 | 10.000 | 16 | 0.002 | 0.04 | 0.047 | 0.002< | 0.002 | 0.005 | 0.0003 | 0.003 |
| 80 09 25 1050 | | | 3 | 1 | 14 | 10< | 0.002 | 0.03 < | 0.002< | 0.002< | 0.001< | 0.003< | 0.0003 | 0.001< |
| 80 10 22 0920 | | | 3 | 1 | 27.000 | 21 | 0.001 | 0.040 | 0.095 | 0.002 | 0.008 | 0.003< | 0.0002< | 0.014 |
| 80 11 20 0930 | | | 3 | 1 | 10.000 | 47 | 0.001< | 0.040< | 0.060 | 0.001< | 0.006 | 0.004 | 0.0002< | 0.010 |
| 80 12 18 0925 | | | 3 | 1 | 15.000 | 61 | 0.001< | | 0.14 | 0.002< | 0.004 | 0.003 | 0.0004 | 0.020 |
| **MAXIMUM** | | | | | **38.000** | **61** | **0.003** | **0.040** | **2.000** | **0.030** | **0.01** | **0.03** | **0.006** | **0.100** |
| **ARITH MEAN** | | | | | **20** | **28L** | **0.001L** | **0.03 L** | **0.4 L** | **0.01 L** | **0.00 L** | **0.01 L** | **0.003 L** | **0.02 L** |
| **GEOM MEAN** | | | | | **17** | **22L** | **0.001L** | **0.02 L** | **0.1 L** | **0.00 L** | **0.00 L** | **0.01 L** | **0.001 L** | **0.01 L** |
| **MINIMUM** | | | | | **9.000** | **10<** | **0.001<** | **0.020<** | **0.002<** | **0.001<** | **0.001<** | **0.003<** | **0.0002<** | **0.001<** |
| **STD DEV** | | | | | **10** | **18L** | **0.001L** | **0.00 L** | **0.7 L** | **0.01 L** | **0.00 L** | **0.01 L** | **0.002 L** | **0.02 L** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **11** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | MNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 01 28 0920 | | | 3 | 1 | 0.161 | 0.020< | 0.030 | 0.010< |
| 80 02 28 0925 | | | 3 | 1 | 0.163 | 0.020< | 0.020 < | 0.010< |
| 80 03 26 0850 | | | 3 | 1 | 0.104 | 0.020< | 0.020 < | 0.010< |
| 80 04 29 0900 | | | 3 | 1 | 0.104 | 0.02 < | 0.02 < | 0.01 < |
| 80 05 15 0905 | | | 3 | 1 | 0.126 | 0.020< | 0.020 < | 0.025 |
| 80 06 11 0930 | | | 3 | 1 | 0.127 | 0.020< | 0.020 < | 0.010< |
| 80 07 16 0915 | | | 3 | 1 | 0.075 | 0.02 < | 0.02 < | 0.01 < |
| 80 08 18 0930 | | | 3 | 1 | 0.106 | 0.002< | 0.002 < | 0.01 < |
| 80 09 25 1050 | | | 3 | 1 | 0.108 | 0.002< | 0.002 < | 0.01 < |
| 80 10 22 0920 | | | .3 | 1 | 0.121 | 0.002< | 0.002 < | 0.010< |
| 80 11 20 0930 | | | 3 | 1 | 0.156 | 0.003< | 0.0005< | 0.010< |
| 80 12 18 0925 | | | 3 | 1 | 0.174 | 0.003 | 0.0005< | 0.01 < |
| **MAXIMUM** | | | | | **0.174** | **0.02** | **0.030** | **0.025** |
| **ARITH MEAN** | | | | | **0.127** | **0.01 L** | **0.01 L** | **0.01 L** |
| **GEOM MEAN** | | | | | **0.124** | **0.00 L** | **0.00 L** | **0.01 L** |
| **MINIMUM** | | | | | **0.075** | **0.002<** | **0.0005<** | **0.010<** |
| **STD DEV** | | | | | **0.030** | **0.00 L** | **0.01 L** | **0.00 L** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** |

B.O.W./ SITE: **REDHILL CREEK**
SAMPLE POINT: **MOUNTAINBROW BLVD.HAMILTON ALBION FALLS**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **REDHILL CREEK**

STATION ID: **09-0001-004-02**
STORET CODE: **02**
**004**
**4620**

LAT: LONG: U T M: **17 0595850.0 4783500.0 4** REGION: **02** DISTANCE: **10.300**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM MG/L AS O | PHOSPHOR UNF.TOT MG/L AS P |
| 80 01 28 0945 | | | .3 | 1 | 28321 | 4 | 4200 | 8000 | 480 | 140I | 1.3 | 13.2 | 6.8 | 0.045 |
| 80 02 28 0940 | | | .3 | 1 | 28356 | 4 | 3800 | 17000 | 460 | 220 | 1.0 | 12.0 | 1.8 | 0.073 |
| 80 03 26 0910 | | | .3 | 1 | 28412 | 3 | 7300 | 17000 | 50I | 450I | 5.5 | 11.6 | 1.4 | 0.070 |
| 80 04 29 0925 | | | .3 | 1 | 28483 | 3 | 150000C | 500000 | 1140 | 2400 | 7.5 | 12.2 | 2.2 | 0.100 |
| 80 05 15 0930 | | | .3 | 1 | 28519 | 6 | 7500C | 31000 | 280 | 140I | 9.0 | 11.0 | 1.0 | 0.027 |
| 80 06 11 1020 | | | .3 | 1 | 28563 | 6 9 | 4600C | 73000 | 760 | 220 | 13.0 | 10.1 | 1.6 | 0.040 |
| 80 07 06 1200 | | | .3 | 1 | 80036 | 8 | | | | | 24.0 | 11.0 | | 0.041 |
| 80 07 07 0015 | | | .3 | 1 | 80037 | 8 | | | | | 22.0 | 11.2 | | 0.055 |
| 80 07 16 0945 | | | .3 | 1 | 28613 | 6 0 | 4500C | 26000 | 100I | 70I | 24.0 | 9.0 | 2.2 | 0.015 |
| 80 08 18 1010 | | | .3 | 1 | 28649 | 6 9 0 | 600 | 45000 | 40I | 30I | 22.0 | 9.1 | 2.0 | 0.025 |
| 80 09 25 1115 | | | .3 | 1 | 28707 | 6 | 2700C | 15000> | 80I | 120I | 17.0 | 10.1 | 2.2 | 0.032 |
| 80 10 22 0945 | | | .3 | 1 | 28750 | 6 | 5900C | 73000 | 460 | 3000> | 7.5 | 11.6 | 5.2 | 0.054 |
| 80 11 20 0950 | | | .3 | 1 | 28792 | 6 | 3700 | 12000 | 160I | 100I | 4.0 | 10.0 | 3.0 | 0.037 |
| 80 12 18 1025 | | | .3 | 1 | 28831 | 4 | 1300 | 6700 | 90I | 50I | 0.5 | 11.2 | 1.8 | 0.025 |
| **MAXIMUM** | | | | | | | **150000** | **500000>** | **1140** | **3000>** | **24.0** | **13.2** | **6.8** | **0.100** |
| **ARITH MEAN** | | | | | | | **18342** | **68642G** | **342** | **578G** | **11.3** | **10.9** | **2.6** | **0.048** |
| **GEOM MEAN** | | | | | | | **4728** | **28349G** | **206** | **199G** | **6.8** | **10.9** | **2.2** | **0.041** |
| **MINIMUM** | | | | | | | **600** | **6700** | **40** | **30** | **0.5** | **9.0** | **1.0** | **0.015** |
| **STD DEV** | | | | | | | **42143** | **137788G** | **339** | **1006G** | **8.9** | **1.2** | **1.7** | **0.023** |
| **NO OF SAMPLES** | | | | | | | **12** | **12** | **12** | **12** | **14** | **14** | **12** | **14** |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 28 0945 | | | .3 | 1 | 0.011 | 3.000 | 3.780 | 0.050 | 1.600 | 4.650 | 0.780 | 5.430 | 1076.00 | 15.00 |
| 80 02 28 0940 | | | .3 | 1 | 0.021 | 1.870 | 1.950 | 0.056 | 1.890 | 3.816 | 0.080 | 3.896 | 1067.00 | 17.00 |
| 80 03 26 0910 | | | .3 | 1 | 0.025 | 0.850 | 1.630 | 0.065 | 2.930 | 3.845 | 0.780 | 4.625 | 748.00 | 19.00 |
| 80 04 29 0925 | | | .3 | 1 | 0.031 | 0.530 | 1.300 | 0.040 | 2.110 | 2.680 | 0.770 | 3.450 | 623.00 | 36.00 |
| 80 05 15 0930 | | | .3 | 1 | 0.002 | 1.190 | 1.800 | 0.078 | 1.270 | 2.538 | 0.610 | 3.148 | 937.00 | 8.00 |
| 80 06 11 1020 | | | .3 | 1 | 0.006 | 1.770 | 2.700 | 0.150 | 1.500 | 3.420 | 0.930 | 4.350 | 1225.00 | 11.00 |
| 80 07 06 1200 | | | .3 | 1 | 0.007 | 2.060 | 2.720 | 0.680 | 1.770 | 4.510 | 0.660 | 5.170 | | |
| 80 07 07 0015 | | | .3 | 1 | 0.004 | 1.800 | 2.900 | 0.840 | 1.610 | 4.250 | 1.100 | 5.350 | | |
| 80 07 16 0945 | | | .3 | 1 | 0.001 | 1.340 | 2.300 | 1.150 | 2.150 | 4.640 | 0.960 | 5.600 | 1568.00 | 3.00 |
| 80 08 18 1010 | | | .3 | 1 | 0.010 | 1.730 | 2.610 | 0.500 | 2.250 | 4.480 | 0.880 | 5.360 | 1517.00 | 3.00 |
| 80 09 25 1115 | | | .3 | 1 | 0.001< | 0.004 | 3.02 | 0.001 | 2.20 | 2.205 | 3.016 | 5.221 | 1051 | 10 |
| 80 10 22 0945 | | | .3 | 1 | 0.003 | 5.700 | 6.970 | 0.075 | 1.000 | 6.775 | 1.270 | 8.045 | 1605.00 | 21.00 |
| 80 11 20 0950 | | | .3 | 1 | 0.004 | 3.400 | 3.400 | 0.120 | 1.280 | 4.800 | 0.000 | 4.800 | 1384.00 | 15.00 |
| 80 12 18 1025 | | | .3 | 1 | 0.008 | 4.100 | 5.050 | 0.050 | 1.450 | 5.600 | 0.950 | 6.550 | 1409.00 | 12.00 |
| **MAXIMUM** | | | | | **0.031** | **5.700** | **6.970** | **1.150** | **2.930** | **6.775** | **3.016** | **8.045** | **1605.00** | **36.00** |
| **ARITH MEAN** | | | | | **0.010L** | **2.096** | **3.00** | **0.275** | **1.78** | **4.158** | **0.913** | **5.071** | **1184** | **14** |
| **GEOM MEAN** | | | | | **0.006L** | **1.211** | **2.73** | **0.102** | **1.72** | **3.984** | **0.804** | **4.934** | **1139** | **11** |
| **MINIMUM** | | | | | **0.001<** | **0.004** | **1.300** | **0.001** | **1.000** | **2.205** | **0.000** | **3.148** | **623.00** | **3.00** |
| **STD DEV** | | | | | **0.009L** | **1.611** | **1.49** | **0.366** | **0.50** | **1.223** | **0.698** | **1.244** | **321** | **8** |
| **NO OF SAMPLES** | | | | | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **12** | **12** |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | SSO4UR | ALKT | PH | FWPH | PHNOL | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE |
| 80 01 28 0945 | | | .3 | 1 | 1061.00 | 1440.0 | 16.00 | 180.000 | 333.000 | 241 | 8.03 | | 1.000< | 1.000 |
| 80 02 28 0940 | | | .3 | 1 | 1050.00 | 1480.0 | 16.00 | 178.000 | 317.000 | 212.0 | 8.13 | | 1.000 | 0.940 |
| 80 03 26 0910 | | | .3 | 1 | 729.00 | 1020.0 | 19.00 | 113.000 | 188.000 | 159.0 | 8.11 | | 1.000< | 1.200 |
| 80 04 29 0925 | | | .3 | 1 | 587.00 | 900.0 | 23.00 | 82.000 | 161.000 | 174.0 | 7.87 | | 1.000< | 1.700 |
| 80 05 15 0930 | | | .3 | 1 | 929.00 | 1300.0 | 5.80 | 146.000 | 282.000 | 220.0 | 7.93 | | 1.000< | 0.480 |
| 80 06 11 1020 | | | .3 | 1 | 1214.00 | 1550.0 | 9.20 | 155.000 | 401.000 | 228.0 | 7.92 | | 1.000< | 0.700 |
| 80 07 06 1200 | | | .3 | 1 | | 1800.0 | | | | | 7.89 | | | |
| 80 07 07 0015 | | | .3 | 1 | | 1800.0 | | | | | 7.81 | | | |
| 80 07 16 0945 | | | .3 | 1 | 1565.00 | 1850.0 | 2.00 | 182.000 | 559.000 | 165.0 | 7.73 | 7.5 | 1.000< | 0.210 |
| 80 08 18 1010 | | | .3 | 1 | 1514.00 | 1850.0 | 2.40 | 190.000 | 550.000 | 189.0 | 7.74 | 7.75 | 1.000 | 0.180 |
| 80 09 25 1115 | | | .3 | 1 | 1041 | 1450 | 7.0 | 152 | 444 | 143 | 7.83 | 7.55 | 1 < | 0.54 |
| 80 10 22 0945 | | | .3 | 1 | 1584.00 | 2200.0 | 13.00 | 225.000 | 730.000 | 241.0 | 8.08 | 7.5 | 1.000< | 1.100 |
| 80 11 20 0950 | | | .3 | 1 | 1369.00 | 1950.0 | 8.90 | 142.000 | 515.000 | 221.0 | 7.89 | 7.6 | 1.000 | 0.840 |
| 80 12 18 1025 | | | .3 | 1 | 1397.00 | 1900.0 | 15.00 | 197.000 | 485.000 | 215.0 | 8.03 | | 1.000< | 0.700 |
| **MAXIMUM** | | | | | **1584.00** | **2200.0** | **23.00** | **225.000** | **730.000** | **241** | **8.13** | **7.75** | **1.000** | **1.700** |
| **ARITH MEAN** | | | | | **1170** | **1606** | **11.4** | **161** | **413** | **200** | **7.93** | **7.5** | **1 L** | **0.79** |
| **GEOM MEAN** | | | | | **1122** | **1562** | **9.1** | **156** | **379** | **196** | **7.93** | **7.5** | **1 L** | **0.67** |
| **MINIMUM** | | | | | **587.00** | **900.0** | **2.00** | **82.000** | **161.000** | **143** | **7.73** | **7.5** | **1.000<** | **0.180** |
| **STD DEV** | | | | | **328** | **367** | **6.6** | **38** | **166** | **33** | **0.13** | **0.1** | **0 L** | **0.43** |
| **NO OF SAMPLES** | | | | | **12** | **14** | **12** | **12** | **12** | **12** | **14** | **5** | **12** | **12** |

| TEST-NAME: | | | | | COLAP | COD | ASUT | HGUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | CHEM. OX DEMAND MG/L AS O | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 01 28 0945 | | | .3 | 1 | 20.000 | 56 | 0.001< | 0.020< | 0.890 | 0.040 | 0.010 | 0.030< | 0.005 < | 0.090 |
| 80 02 28 0940 | | | .3 | 1 | 13.000 | 10 | 0.001 | 0.020< | 0.760 | 0.020< | 0.020 | 0.030< | 0.005 < | 0.060 |
| 80 03 26 0910 | | | .3 | 1 | 26.000 | 18 | 0.001 | 0.020< | 1.200 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.230 |
| 80 04 29 0925 | | | .3 | 1 | 34.000 | 14 | 0.002 | 0.02 < | 2.1 | 0.02 < | 0.01 < | 0.03 < | 0.005 < | 0.05 |
| 80 05 15 0930 | | | .3 | 1 | 32.000 | 10< | 0.001< | 0.030< | 0.200 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.030 |
| 80 06 11 1020 | | | .3 | 1 | 15.000 | 18 | 0.001 | 0.030< | 0.460 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.020 |
| 80 07 16 0945 | | | .3 | 1 | 27.000 | 40 | 0.001< | 0.040< | 0.100 | 0.030 | 0.010 | 0.030< | 0.005 < | 0.020 |
| 80 08 18 1010 | | | .3 | 1 | 32.000 | 34 | 0.001< | 0.60 | 0.076 | 0.002< | 0.005 | 0.003< | 0.0009 | 0.009 |
| 80 09 25 1115 | | | .3 | 1 | 28 | 14 | 0.001 | 0.03 < | 0.36 | 0.002< | 0.005 | 0.003< | 0.0002< | 0.009 |
| 80 10 22 0945 | | | .3 | 1 | 39.000 | 59 | 0.001< | 0.020< | 0.710 | 0.005 | 0.012 | 0.003< | 0.0002< | 0.052 |
| 80 11 20 0950 | | | .3 | 1 | 28.000 | 58 | 0.001< | 0.040< | 0.35 | 0.001 | 0.006 | 0.003 | 0.0002< | 0.029 |
| 80 12 18 1025 | | | .3 | 1 | 24.000 | 53 | 0.001< | | 0.47 | 0.002 | 0.004 | 0.003< | 0.0002< | 0.071 |
| **MAXIMUM** | | | | | **39.000** | **59** | **0.002** | **0.60** | **2.1** | **0.040** | **0.020** | **0.030** | **0.005** | **0.230** |
| **ARITH MEAN** | | | | | **28** | **32L** | **0.001L** | **0.07 L** | **0.6** | **0.01 L** | **0.00 L** | **0.01 L** | **0.003 L** | **0.06** |
| **GEOM MEAN** | | | | | **25** | **26L** | **0.001L** | **0.03 L** | **0.4** | **0.00 L** | **0.00 L** | **0.01 L** | **0.001 L** | **0.03** |
| **MINIMUM** | | | | | **13.000** | **10<** | **0.001<** | **0.020<** | **0.076** | **0.001<** | **0.004<** | **0.003<** | **0.0002<** | **0.009** |
| **STD DEV** | | | | | **7** | **20L** | **0.000L** | **0.17 L** | **0.5** | **0.01 L** | **0.00 L** | **0.01 L** | **0.002 L** | **0.06** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **11** | **12** | **12** | **12** | **12** | **12** | **12** |

(CONTD)

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| B O W / SITE **REDHILL CREEK**<br>SAMPLE POINT **MOUNTAINBROW BLVD.HAMILTON ALBION FALLS**<br>STATION TYPE **RIVER** | MAJOR BASIN **GREAT LAKES**<br>MINOR BASIN **LAKE ONTARIO**<br>TERM STREAM **REDHILL CREEK** | STATION ID **09-0001-004-02**<br>STORET CODE **02**<br>**004**<br>**4620** |
| LAT LONG | U T M **17 0595850.0 4783500.0 4** | REGION **02** DISTANCE **10.300** |

| TEST-NAME: | | | | | MNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 01 28 0945 | | | .3 | 1 | 0.176 | 0.020< | 0.020 < | 0.010< |
| 80 02 28 0940 | | | .3 | 1 | 0.175 | 0.020< | 0.020 < | 0.010< |
| 80 03 26 0910 | | | 3 | 1 | 0.083 | 0.020< | 0.020 < | 0.010< |
| 80 04 29 0925 | | | .3 | 1 | 0.112 | 0.02 < | 0.02 < | 0.01 < |
| 80 05 15 0930 | | | .3 | 1 | 0.152 | 0.020< | 0.020 < | 0.010< |
| 80 06 11 1020 | | | 3 | 1 | 0.120 | 0.020< | 0.020 < | 0.010< |
| 80 07 16 0945 | | | .3 | 1 | 0.034 | 0.030 | 0.020 < | 0.010< |
| 80 08 18 1010 | | | .3 | 1 | 0.074 | 0.005 | 0.002 < | 0.01 < |
| 80 09 25 1115 | | | .3 | 1 | 0.163 | 0.003 | 0.002 < | 0.01 < |
| 80 10 22 0945 | | | .3 | 1 | 0.276 | 0.006 | 0.002 < | 0.010< |
| 80 11 20 0950 | | | .3 | 1 | 0.182 | 0.004 | 0.0005< | 0.010< |
| 80 12 18 1025 | | | .3 | 1 | 0.210 | 0.008 | 0.0005< | 0.01 < |
| **MAXIMUM** | | | | | **0.276** | **0.030** | **0.020** | **0.01** |
| **ARITH MEAN** | | | | | **0.146** | **0.01 L** | **0.01 L** | **0.01 L** |
| **GEOM MEAN** | | | | | **0.130** | **0.01 L** | **0.00 L** | **0.01 L** |
| **MINIMUM** | | | | | **0.034** | **0.003<** | **0.0005<** | **0.010<** |
| **STD DEV** | | | | | **0.066** | **0.00 L** | **0.00 L** | **0.00 L** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** |

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| B O W / SITE **SPENCER CREEK**<br>SAMPLE POINT **AT COOTES ROAD, DUNDAS**<br>STATION TYPE **RIVER FLOW GAUGE FED 02HB010** | MAJOR BASIN **GREAT LAKES**<br>MINOR BASIN **LAKE ONTARIO**<br>TERM STREAM **SPENCER CREEK** | STATION ID **09-0008-001-02**<br>STORET CODE **02**<br>**004**<br>**4590** |
| LAT LONG | U T M **17 0585050.0 4790350.0 4** | REGION **02** DISTANCE **3.701** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 31 1015 | | | 3 | 1 | 28312 | 4 | 0.730 | 8700 | 12000 | 490 | 100 | 1.2 | 13.7 | 0.2 |
| 80 03 12 0910 | | | 3 | 1 | 28378 | 4 | 0.720 | 3800 | 18000 | 310 | 680 | 1.2 | 14.2 | 2.0 |
| 80 03 27 0855 | | | 3 | 1 | 28435 | 3 | 4.380 | 1000 | 6000 | 20I | 140I | 3.5 | 14.1 | 0.6 |
| 80 04 22 0945 | | | .3 | 1 | 28462 | 6 | 3.470 | 900I | 14000 | 8 | 60I | 10.5 | 12.2 | 0.6 |
| 80 05 08 0935 | | | .3 | 1 | 28510 | 6 | 1.950 | 180 | 17500 | 20< | 100I | 12.0 | 10.4 | 1.2 |
| 80 06 05 0935 | | | .3 | 1 | 28549 | 6 | 0.849 | 1300C | 45500 | 130 | 280 | 16.0 | 7.3 | 1.0 |
| 80 07 08 1950 | | | 3 | 1 | 80111 | 6 | 0.236 | | | | | 24.0 | 9.0 | |
| 80 07 09 0440 | | | .3 | 1 | 80110 | 6 | 0.214 | | | | | 21.5 | 5.5 | |
| 80 07 17 0930 | | | .3 | 1 | 28604 | 6 | 0.168 | 1500 | 23500 | 300 | 740 | 23.0 | 6.0 | 1.2 |
| 80 08 12 0935 | | | .3 | 1 | 28658 | 6 | 0.195 | 230000 | 1900000 | 16000 | 5400 | 21.5 | 6.0 | 2.2 |
| 80 09 29 0915 | | | 3 | 1 | 28698 | 6 | 0.396 | 12000 | 23000 | 700 | 500I | 11.0 | 13.2 | 0.8 |
| 80 10 21 0935 | | | 3 | 1 | 28759 | 6 | 0.718 | 1800 | 13500 | 60I | 390 | 8.5 | 9.9 | 1.0 |
| 80 11 25 0855 | | | 3 | 1 | 28801 | 6 | 0.496 | 11500 | 16000 | 130 | 290 | 5.5 | 12.9 | 0.4 |
| 80 12 18 0835 | | | 3 | 1 | 28847 | 4 | 0.570 | 400I | 4200 | 100 | 180 | 4.0 | 12.4 | 1.2 |
| **MAXIMUM** | | | | | | | **4.380** | **230000** | **1900000** | **16000** | **5400** | **24.0** | **14.2** | **2.2** |
| **ARITH MEAN** | | | | | | | **1.078** | **22757** | **174433** | **1522L** | **738** | **11.7** | **10.5** | **1.0** |
| **GEOM MEAN** | | | | | | | **0.836** | **2806** | **22084** | **153L** | **305** | **8.1** | **10.0** | **0.9** |
| **MINIMUM** | | | | | | | **0.168** | **180** | **4200** | **8<** | **60** | **1.2** | **5.5** | **0.2** |
| **STD DEV** | | | | | | | **1.299** | **65409** | **543515** | **4564L** | **1485** | **8.3** | **3.2** | **0.6** |
| **NO OF SAMPLES** | | | | | | | **14** | **12** | **12** | **12** | **12** | **14** | **14** | **12** |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 31 1015 | | | .3 | 1 | 0.029 | 0.014 | 0.048 | 0.450 | 0.010 | 1.590 | 1.648 | 0.402 | 2.050 | 491.00 |
| 80 03 12 0910 | | | 3 | 1 | 0.083 | 0.043 | 0.244 | 0.880 | 0.023 | 1.680 | 1.947 | 0.636 | 2.583 | 486.00 |
| 80 03 27 0855 | | | 3 | 1 | 0.165 | 0.086 | 0.112 | 0.930 | 0.020 | 1.130 | 1.262 | 0.818 | 2.080 | 349.00 |
| 80 04 22 0945 | | | 3 | 1 | 0.054 | 0.010 | 0.028 | 0.580 | 0.010 | 0.515 | 0.553 | 0.552 | 1.105 | 350.00 |
| 80 05 08 0935 | | | .3 | 1 | 0.061 | 0.004 | 0.028 | 0.720 | 0.010 | 0.385 | 0.423 | 0.692 | 1.115 | 356.00 |
| 80 06 05 0935 | | | 3 | 1 | 0.059 | 0.010 | 0.062 | 0.880 | 0.014 | 0.519 | 0.595 | 0.818 | 1.413 | 392.00 |
| 80 07 08 1950 | | | .3 | 1 | 0.035 | 0.002 | 0.020 | 0.660 | 0.006 | 0.189 | 0.215 | 0.640 | 0.855 | |
| 80 07 09 0440 | | | 3 | 1 | 0.058 | 0.007 | 0.064 | 0.630 | 0.010 | 0.285 | 0.359 | 0.566 | 0.925 | |
| 80 07 17 0930 | | | 3 | 1 | 0.058 | 0.010 | 0.082 | 0.640 | 0.014 | 0.506 | 0.602 | 0.558 | 1.160 | 447.00 |
| 80 08 12 0935 | | | 3 | 1 | 0.070 | 0.005 | 0.006 | 0.72 | 0.019 | 0.594 | 0.619 | 0.714 | 1.333 | 419 |
| 80 09 29 0915 | | | 3 | 1 | 0.035 | 0.001 | 0.016 | 0.52 | 0.004 | 0.446 | 0.466 | 0.504 | 0.970 | 577 |
| 80 10 21 0935 | | | 3 | 1 | 0.058 | 0.008 | 0.062 | 0.680 | 0.017 | 1.030 | 1.109 | 0.618 | 1.727 | 475.00 |
| 80 11 25 0855 | | | 3 | 1 | 0.019 | 0.008 | 0.036 | 0.400 | 0.007 | 0.948 | 0.991 | 0.364 | 1.355 | 423.00 |
| 80 12 18 0835 | | | 3 | 1 | 0.018 | 0.007 | 0.056 | 0.700 | 0.017 | 1.830 | 1.903 | 0.644 | 2.547 | 519.00 |
| **MAXIMUM** | | | | | **0.165** | **0.086** | **0.244** | **0.930** | **0.023** | **1.830** | **1.947** | **0.818** | **2.583** | **577** |
| **ARITH MEAN** | | | | | **0.057** | **0.016** | **0.062** | **0.67** | **0.013** | **0.832** | **0.907** | **0.609** | **1.516** | **440** |
| **GEOM MEAN** | | | | | **0.049** | **0.008** | **0.043** | **0.65** | **0.012** | **0.674** | **0.744** | **0.594** | **1.420** | **434** |
| **MINIMUM** | | | | | **0.018** | **0.001** | **0.006** | **0.400** | **0.004** | **0.189** | **0.215** | **0.364** | **0.855** | **349.00** |
| **STD DEV** | | | | | **0.036** | **0.023** | **0.060** | **0.15** | **0.006** | **0.544** | **0.582** | **0.133** | **0.586** | **72** |
| **NO OF SAMPLES** | | | | | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **12** |

(CONTD)

| | | | TEST-NAME: | | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | ALKT | PH | FWPH | PHNOL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL |
| 80 01 31 1015 | | | .3 | 1 | 4.00 | 487.00 | 740.0 | 2.20 | 42.500 | 94.000 | 241 | 8.21 | | 1.000 |
| 80 03 12 0910 | | | .3 | 1 | 35.00 | 451.00 | 690.0 | 15.00 | 83.000 | 58.000 | 175.0 | 8.01 | | 1.000< |
| 80 03 27 0855 | | | .3 | 1 | 30.00 | 319.00 | 450.0 | 15.00 | 28.000 | 41.500 | 151.0 | 8.29 | | 1.000< |
| 80 04 22 0945 | | | .3 | 1 | 15.00 | 335.00 | 520.0 | 7.10 | 25.000 | 44.000 | 191.0 | 8.31 | | 1.000< |
| 80 05 08 0935 | | | .3 | 1 | 20.00 | 336.00 | 500.0 | 6.10 | 21.500 | 34.000 | 217.0 | 8.50 | | 1.000< |
| 80 06 05 0935 | | | .3 | 1 | 14.00 | 378.00 | 600.0 | 5.80 | 38.000 | 36.000 | 244 | 8.40 | | 1.000< |
| 80 07 08 1950 | | | .3 | 1 | | | 550.0 | | | | | 8.64 | 8.60 | |
| 80 07 09 0440 | | | .3 | 1 | | | 550.0 | | | | | 8.22 | 8.40 | |
| 80 07 17 0930 | | | .3 | 1 | 12.00 | 435.00 | 600.0 | 7.50 | 42.500 | 51.500 | 194.0 | 8.00 | 7.7 | 1.000< |
| 80 08 12 0935 | | | .3 | 1 | 17 | 402 | 550 | 11 | 40.5 | 49.5 | 182 | 8.02 | 8.1 | 1 < |
| 80 09 29 0915 | | | .3 | 1 | 10 | 567 | 800 | 5.5 | 49.5 | 166 | 196 | 8.30 | 8.15 | 1 < |
| 80 10 21 0935 | | | .3 | 1 | 14.00 | 461.00 | 700.0 | 9.00 | 37.500 | 127.000 | 199.0 | 8.31 | 7.5 | 1.000< |
| 80 11 25 0855 | | | .3 | 1 | 3.00 | 420.00 | 680.0 | 23 | 38.000 | 76.500 | 226.0 | 8.31 | 8.05 | 1.000 |
| 80 12 18 0835 | | | 3 | 1 | 6.00 | 513.00 | 800.0 | 3.30 | 66.000 | 62.000 | 236.0 | 8.06 | 8.0 | 1.000< |
| MAXIMUM | | | | | 35.00 | 567 | 800 | 23 | 83.000 | 166 | 244 | 8.64 | 8.60 | 1.000 |
| ARITH MEAN | | | | | 15 | 425 | 623 | 9 | 42.6 | 70 | 204 | 8.26 | 8.0 | 1 L |
| GEOM MEAN | | | | | 12 | 419 | 614 | 7 | 39.8 | 61 | 202 | 8.25 | 8.0 | 1 L |
| MINIMUM | | | | | 3.00 | 319.00 | 450.0 | 2.20 | 21.500 | 34.000 | 151.0 | 8.00 | 7.5 | 1.000< |
| STD DEV | | | | | 9 | 76 | 111 | 5 | 17.2 | 40 | 28 | 0.19 | 0.3 | 0 L |
| NO OF SAMPLES | | | | | 12 | 12 | 14 | 12 | 12 | 12 | 12 | 14 | 8 | 12 |

| | | | TEST-NAME: | | FEUT | COLAP | COD | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | IRON UNF.TOT. MG/L AS FE | COLOUR APPARENT HZU | CHEM. OX DEMAND MG/L AS O | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN |
| 80 01 31 1015 | | | .3 | 1 | 0.220 | 30.000 | 26 | 0.130 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.040 | 0.043 |
| 80 03 12 0910 | | | .3 | 1 | 1.400 | 42.000 | 10< | 0.790 | 0.020< | 0.010< | 0.040 | 0.005 < | 0.010< | 0.104 |
| 80 03 27 0855 | | | .3 | 1 | 1.100 | 50.000 | 34 | 1.000 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.030 | 0.074 |
| 80 04 22 0945 | | | .3 | 1 | 0.670 | 56.000 | 54 | 0.44 | 0.02 < | 0.01 < | 0.03 < | 0.005 < | 0.02 | 0.080 |
| 80 05 08 0935 | | | .3 | 1 | 0.860 | 70.000> | 38 | 0.670 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.030 | 0.120 |
| 80 06 05 0935 | | | .3 | 1 | 0.580 | 61.000 | 28 | | | | | | | 0.115 |
| 80 07 17 0930 | | | .3 | 1 | 0.630 | 30.000 | 40 | 0.34 | 0.04 | 0.01 | 0.03 < | 0.005 < | 0.01 < | 0.088 |
| 80 08 12 0935 | | | .3 | 1 | 0.83 | 36 | 12 | 0.41 | 0.002< | 0.002 | 0.004 | 0.0001< | 0.009 | 0.105 |
| 80 09 29 0915 | | | .3 | 1 | 0.54 | 22 | 18 | 0.17 | 0.002< | 0.001< | 0.003< | 0.0002< | 0.009 | 0.136 |
| 80 10 21 0935 | | | .3 | 1 | 0.860 | 61.000 | 21 | 0.440 | 0.003 | 0.004 | 0.007 | 0.0002< | 0.020 | 0.098 |
| 80 11 25 0855 | | | .3 | 1 | 0.230 | 29.000 | 39 | 0.064 | 0.001< | 0.001 | 0.003< | 0.0002< | 0.005 | 0.052 |
| 80 12 18 0835 | | | .3 | 1 | 0.340 | 34.000 | 38 | 0.086 | 0.002< | 0.003 | 0.003< | 0.0002< | 0.012 | 0.064 |
| MAXIMUM | | | | | 1.400 | 70.000> | 54 | 1.000 | 0.04 | 0.01 | 0.040 | 0.005 | 0.040 | 0.136 |
| ARITH MEAN | | | | | 0.68 | 43 G | 30L | 0.41 | 0.01 L | 0.00 L | 0.01 L | 0.002 L | 0.01 L | 0.090 |
| GEOM MEAN | | | | | 0.59 | 40 G | 27L | 0.29 | 0.00 L | 0.00 L | 0.01 L | 0.001 L | 0.01 L | 0.086 |
| MINIMUM | | | | | 0.220 | 22 | 10< | 0.064 | 0.001< | 0.001< | 0.003< | 0.0001< | 0.005< | 0.043 |
| STD DEV | | | | | 0.34 | 15 G | 13L | 0.30 | 0.01 L | 0.00 L | 0.01 L | 0.002 L | 0.01 L | 0.028 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 11 | 11 | 11 | 11 | 11 | 11 | 12 |

| | | | TEST-NAME: | | NIUT | COUT |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 01 31 1015 | | | .3 | 1 | 0.020< | 0.020 < |
| 80 03 12 0910 | | | .3 | 1 | 0.030 | 0.020 < |
| 80 03 27 0855 | | | .3 | 1 | 0.020< | 0.020 < |
| 80 04 22 0945 | | | .3 | 1 | 0.02 < | 0.05 |
| 80 05 08 0935 | | | .3 | 1 | 0.070 | 0.020 < |
| 80 07 17 0930 | | | .3 | 1 | 0.02 < | 0.02 < |
| 80 08 12 0935 | | | .3 | 1 | 0.002 | 0.003 |
| 80 09 29 0915 | | | .3 | 1 | 0.002 | 0.002 |
| 80 10 21 0935 | | | .3 | 1 | 0.003 | 0.002 < |
| 80 11 25 0855 | | | .3 | 1 | 0.003< | 0.0005< |
| 80 12 18 0835 | | | .3 | 1 | 0.001 | 0.0005< |
| MAXIMUM | | | | | 0.070 | 0.05 |
| ARITH MEAN | | | | | 0.01 L | 0.01 L |
| GEOM MEAN | | | | | 0.00 L | 0.00 L |
| MINIMUM | | | | | 0.001< | 0.0005< |
| STD DEV | | | | | 0.02 L | 0.01 L |
| NO OF SAMPLES | | | | | 11 | 11 |

B.O.W / SITE: **GRINDSTONE CREEK**
SAMPLE POINT: **HIGHWAY 2, BAYVIEW, HAMILTON HARBOUR**
STATION TYPE: **RIVER FLOW GAUGE FED 02HB012**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **GRINDSTONE CREEK**

STATION ID: **09-0009-001-02**
STORET CODE: **02**
**004**
**4580**

LAT LONG: U T M: **17 0590500.0 4793675.0 4** REGION: **03** DISTANCE: **0.483**

| | | | TEST-NAME: | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 23 1345 | | | .3 | 1 | 27210 | 4 | 0.395 | 780C | 7000 | 4< | 48 | 0.0 | 14.0 | 0.2 |
| 80 02 25 1310 | | | .3 | 1 | 27225 | 4 | 0.440 | 23000 | 130000 | 532 | 476 | 0.0 | 13.5 | 1.6 |
| 80 04 08 1245 | | | .3 | 1 | 27255 | 8 | 1.930 | 1400 | 3200 | 60I | 100I | 9.0 | 12.1 | 0.4 |
| 80 05 27 1715 | | | .3 | 1 | 27270 | 8 | 0.544 | 9500C | 23900 | 210 | 130 | 17.5 | 8.7 | 1.8 |
| 80 06 24 0930 | | | .3 | 1 | 27285 | 7 | 0.215 | 700C | 60000 | 20I | 40I | 25.0 | 14.6 | 3.4 |
| 80 07 08 1925 | | | .3 | 1 | 80109 | 7 | 0.127 | | | | | 26.5 | 11.1 | |
| 80 07 09 0425 | | | .3 | 1 | 80108 | 7 | 0.118 | | | | | 23.5 | 6.0 | |
| 80 07 24 1145 | | | .3 | 1 | 27300 | 7 | 0.091 | | | | | 23.0 | 2.4 | 2.6 |
| 80 08 27 1130 | | | .3 | 1 | 27315 | 7 | 0.075 | | | | | 26.0 | 9.3 | 5.4 |
| 80 09 24 1400 | | | .3 | 1 | 27330 | 8 | 0.131 | 1800C | 38000 | 270 | 170 | 17.0 | 10.0 | 3.6 |
| 80 10 28 1040 | | | .3 | 1 | 27345 | 8 | 0.214 | 5200 | 11000 | 1040 | 70I | 5.0 | 11.0 | 0.8 |
| 80 11 28 0940 | | | .3 | 1 | 27360 | 8 | 0.231 | 139000I | 170000 | 15000> | 2700 | 1.0 | 12.4 | 1.0 |
| 80 12 23 1030 | | | .3 | 1 | 27375 | 4 | 0.255 | 700 | 3500 | 40I | 2500 | 0.0 | 12.4 | 0.7 |

(CONTD)

B.O.W / SITE: **GRINDSTONE CREEK**
SAMPLE POINT: **HIGHWAY 2, BAYVIEW, HAMILTON HARBOUR**
STATION TYPE: **RIVER FLOW GAUGE FED 02HB012**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **GRINDSTONE CREEK**

STATION ID: **09-0009-001-02**
STORET CODE: **02**
**004**
**4580**

LAT: LONG: U T M: **17 0590500.0 4793675.0 4** REGION: **03** DISTANCE: **0.483**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| MAXIMUM | | | | | | | 1.930 | 139000 | 170000 | 15000> | 2700 | 26.5 | 14.6 | 5.4 |
| ARITH MEAN | | | | | | | 0.367 | 20231 | 49622 | 1908B | 693 | 13.3 | 10.6 | 2.0 |
| GEOM MEAN | | | | | | | 0.235 | 3785 | 21635 | 165B | 214 | 7.1 | 9.8 | 1.3 |
| MINIMUM | | | | | | | 0.075 | 700 | 3200 | 4< | 40 | 0.0 | 2.4 | 0.2 |
| STD DEV | | | | | | | 0.491 | 45125 | 60670 | 4921B | 1090 | 11.1 | 3.4 | 1.6 |
| NO OF SAMPLES | | | | | | | 13 | 9 | 9 | 9 | 9 | 13 | 13 | 11 |

| TEST-NAME: | | | | | PPUT | PP 4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 23 1345 | | | .3 | 1 | 0.133 | 0.027 | 0.220 | 1.080 | 0.023 | 2.130 | 2.373 | 0.860 | 3.233 | 559.0 |
| 80 02 25 1310 | | | .3 | 1 | 0.130 | 0.055 | 0.400 | 1.210 | 0.045 | 2.750 | 3.195 | 0.810 | 4.005 | 494.0 |
| 80 04 08 1245 | | | .3 | 1 | 0.078 | 0.025 | 0.080 | 0.650 | 0.016 | 1.140 | 1.236 | 0.570 | 1.806 | 414.0 |
| 80 05 27 1715 | | | .3 | 1 | 0.125 | 0.009 | 0.062 | 1.380 | 0.043 | 1.060 | 1.165 | 1.318 | 2.483 | 527.0 |
| 80 06 24 0930 | | | .3 | 1 | 0.148 | 0.002 | 0.216 | 1.630 | 0.070 | 0.930 | 1.216 | 1.414 | 2.630 | 515.0 |
| 80 07 08 1925 | | | .3 | 1 | 0.118 | 0.074 | 0.042 | 1.050 | 0.046 | 2.650 | 2.738 | 1.008 | 3.746 | |
| 80 07 09 0425 | | | .3 | 1 | 0.215 | 0.026 | 0.118 | 1.200 | 0.054 | 2.600 | 2.772 | 1.082 | 3.854 | |
| 80 07 24 1145 | | | .3 | 1 | 0.235 | 0.065 | 0.540 | 1.600 | 0.240 | 1.120 | 1.900 | 1.060 | 2.960 | 510.0 |
| 80 08 27 1130 | | | .3 | 1 | 0.305 | 0.018 | 0.38 | 2.08 | 0.043 | 0.267 | 0.690 | 1.700 | 2.390 | 482 |
| 80 09 24 1400 | | | .3 | 1 | 0.125 | 0.020 | 0.252 | 1.18 | 0.070 | 1.98 | 2.302 | 0.928 | 3.230 | 449 |
| 80 10 28 1040 | | | .3 | 1 | 0.058 | 0.025 | 0.056 | 0.520 | 0.031 | 3.670 | 3.757 | 0.464 | 4.221 | 527.0 |
| 80 11 28 0940 | | | .3 | 1 | 0.031 | 0.012 | 0.050 | 0.440 | 0.017 | 4.580 | 4.647 | 0.390 | 5.037 | 572.0 |
| 80 12 23 1030 | | | .3 | 1 | 0.042 | 0.011 | 0.100 | 0.850 | 0.044 | 7.500 | 7.644 | 0.750 | 8.394 | 720.0 |
| MAXIMUM | | | | | 0.305 | 0.074 | 0.540 | 2.08 | 0.240 | 7.500 | 7.644 | 1.700 | 8.394 | 720.0 |
| ARITH MEAN | | | | | 0.134 | 0.028 | 0.19 | 1.14 | 0.057 | 2.49 | 2.741 | 0.950 | 3.691 | 524 |
| GEOM MEAN | | | | | 0.112 | 0.020 | 0.13 | 1.04 | 0.044 | 1.88 | 2.262 | 0.878 | 3.427 | 519 |
| MINIMUM | | | | | 0.031 | 0.002 | 0.042 | 0.440 | 0.016 | 0.267 | 0.690 | 0.390 | 1.806 | 414.0 |
| STD DEV | | | | | 0.079 | 0.022 | 0.16 | 0.46 | 0.058 | 1.92 | 1.854 | 0.377 | 1.681 | 79 |
| NO OF SAMPLES | | | | | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 11 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 23 1345 | | | .3 | 1 | 45.0 | 514.0 | 690.0 | 15.00 | 52.000 | 8.12 | 7.1 |
| 80 02 25 1310 | | | .3 | 1 | 17.0 | 477.0 | 710.0 | 9.80 | 68.000 | 8.12 | 7.3 |
| 80 04 08 1245 | | | .3 | 1 | 28.0 | 386.0 | 580.0 | 16.00 | 30.500 | 8.24 | 7.7 |
| 80 05 27 1715 | | | .3 | 1 | 30.0 | 497.0 | 700.0 | 20.00 | 51.000 | 8.37 | 8.1 |
| 80 06 24 0930 | | | .3 | 1 | 42.0 | 473.0 | 700.0 | 25.00 | 66.000 | 7.82 | 7.85 |
| 80 07 08 1925 | | | .3 | 1 | | | 750.0 | | | 8.36 | 8.35 |
| 80 07 09 0425 | | | .3 | 1 | | | 750.0 | | | 7.92 | 7.90 |
| 80 07 24 1145 | | | .3 | 1 | 66.0 | 444.0 | 650.0 | 45.00 | 67.500 | 7.71 | 7.6 |
| 80 08 27 1130 | | | .3 | 1 | 65 | 417 | 600 | 37 | 72 | 7.50 | 7.9 |
| 80 09 24 1400 | | | .3 | 1 | 35 | 414 | 700 | 21 | 73 | 7.91 | 8.0 |
| 80 10 28 1040 | | | .3 | 1 | 8.0 | 519.0 | 900.0 | 5.40 | 73.000 | 8.15 | 7.4 |
| 80 11 28 0940 | | | .3 | 1 | 7.0 | 565.0 | 870.0 | 3.30 | 76.000 | 8.12 | |
| 80 12 23 1030 | | | .3 | 1 | 13.0 | 707.0 | 1040.0 | 3.30 | 94.000 | 7.94 | |
| MAXIMUM | | | | | 66.0 | 707.0 | 1040.0 | 45.00 | 94.000 | 8.37 | 8.35 |
| ARITH MEAN | | | | | 32 | 492 | 741 | 18 | 65 | 8.02 | 7.7 |
| GEOM MEAN | | | | | 25 | 486 | 732 | 13 | 63 | 8.02 | 7.7 |
| MINIMUM | | | | | 7.0 | 386.0 | 580.0 | 3.30 | 30.500 | 7.50 | 7.1 |
| STD DEV | | | | | 20 | 88 | 127 | 13 | 16 | 0.25 | 0.3 |
| NO OF SAMPLES | | | | | 11 | 11 | 13 | 11 | 11 | 13 | 11 |

B.O.W / SITE: **GRINDSTONE CREEK**
SAMPLE POINT: **WATERDOWN ROAD, WATERDOWN**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **GRINDSTONE CREEK**

STATION ID: **09-0009-002-02**
STORET CODE: **02**
**004**
**4580**

LAT: LONG: U T M: **17 0590150.0 4797950.0 4** REGION: **03** DISTANCE: **7.242**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 23 1330 | | | .3 | 1 | 27211 | 8 | 590 | 1800 | 12 | 36 | 0.0 | 14.1 | 0.4 | 0.042 |
| 80 02 25 1250 | | | .3 | 1 | 27226 | 5 | 660 | 2100 | 392 | 156 | 1.0 | 13.5 | 1.6 | 0.110 |
| 80 03 19 1300 | | | .3 | 1 | 27241 | 8 | 21000 | 55000 | 260 | 1500> | 0.0 | 13.2 | 6.0 | 0.445 |
| 80 04 08 1300 | | | .3 | 1 | 27256 | 8 | 5700 | 7100 | 60I | 100< | 9.0 | 10.2 | 0.6 | 0.095 |
| 80 05 27 1700 | | | .3 | 1 | 27271 | 8 | 6700C | 65000 | 50I | 230 | 15.5 | 10.2 | 1.0 | 0.050 |
| 80 06 24 0905 | | | .3 | 1 | 27286 | 7 | 3000C | 32000 | 210 | 150 | 18.5 | 9.2 | 0.4 | 0.040 |
| 80 07 08 1910 | | | .3 | 1 | 80107 | 7 | | | | | 23.5 | 6.5 | | 0.031 |
| 80 07 09 0410 | | | .3 | 1 | 80106 | 7 | | | | | 19.0 | 7.5 | | 0.095 |
| 80 07 24 1130 | | | .3 | 1 | 27301 | 7 | | | | | 18.9 | 9.1 | 0.2 | 0.057 |
| 80 08 27 1115 | | | .3 | 1 | 27316 | 8 | 25000 | 17000 | 8400 | 4100 | 21.5 | 8.1 | 0.8 | 0.043 |
| 80 09 24 1345 | | | .3 | 1 | 27331 | 8 | 5200 | 17000 | 2100 | 480 | 15.5 | 10.8 | 0.7 | 0.035 |
| 80 10 28 1020 | | | .3 | 1 | 27346 | 8 | 12800 | 19500 | 2200 | 350 | 5.5 | 11.8 | 0.2 | 0.034 |
| 80 11 28 1000 | | | .3 | 1 | 27361 | 8 | 100I | 3700 | 100< | 20I | 3.0 | 12.3 | 2.4 | 0.130 |
| 80 12 23 1010 | | | .3 | 1 | 27376 | 4 | 43000 | 17000 | 16000 | 28 | 0.0 | 14.2 | 0.6 | 0.022 |
| MAXIMUM | | | | | | | 43000 | 65000 | 16000 | 4100> | 23.5 | 14.2 | 6.0 | 0.445 |
| ARITH MEAN | | | | | | | 11250 | 21584 | 2708L | 650B | 10.8 | 10.8 | 1.2 | 0.088 |
| GEOM MEAN | | | | | | | 4174 | 12424 | 405L | 189B | 6.2 | 10.5 | 0.7 | 0.061 |
| MINIMUM | | | | | | | 100 | 1800 | 12< | 20< | 0.0 | 6.5 | 0.2 | 0.022 |
| STD DEV | | | | | | | 13420 | 21162 | 5054L | 1220B | 9.0 | 2.6 | 1.6 | 0.108 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 14 | 14 | 12 | 14 |

(CONTD)

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
| 80 01 23 1330 | | | .3 | 1 | 0.018 | 0.026 | 0.770 | 0.011 | 1.940 | 1.977 | 0.744 | 2.721 | 465.0 | 6.0 |
| 80 02 25 1250 | | | .3 | 1 | 0.052 | 0.252 | 1.080 | 0.036 | 2.910 | 3.198 | 0.828 | 4.026 | 458.0 | 6.0 |
| 80 03 19 1300 | | | .3 | 1 | 0.095 | 0.480 | 2.250 | 0.040 | 1.410 | 1.930 | 1.770 | 3.700 | 401.0 | 180.0 |
| 80 04 08 1300 | | | .3 | 1 | 0.021 | 0.018 | 0.750 | 0.008 | 0.962 | 0.988 | 0.732 | 1.720 | 345.0 | 9.0 |
| 80 05 27 1700 | | | .3 | 1 | 0.002 | 0.005 | 1.180 | 0.022 | 1.580 | 1.607 | 1.175 | 2.782 | 484.0 | 10.0 |
| 80 06 24 0905 | | | .3 | 1 | 0.013 | 0.034 | 0.770 | 0.023 | 2.280 | 2.337 | 0.736 | 3.073 | 559.0 | 4.0 |
| 80 07 08 1910 | | | .3 | 1 | 0.010 | 0.016 | 0.660 | 0.016 | 2.680 | 2.712 | 0.644 | 3.356 | | |
| 80 07 09 0410 | | | .3 | 1 | 0.012 | 0.020 | 0.810 | 0.016 | 1.830 | 1.866 | 0.790 | 2.656 | | |
| 80 07 24 1130 | | | .3 | 1 | 0.023 | 0.028 | 0.580 | 0.014 | 3.040 | 3.082 | 0.552 | 3.634 | 472.0 | 7.0 |
| 80 08 27 1115 | | | .3 | 1 | 0.001 | 0.020 | 0.50 | 0.017 | 3.03 | 3.067 | 0.480 | 3.547 | 458 | 7 |
| 80 09 24 1345 | | | .3 | 1 | 0.003 | 0.038 | 0.42 | 0.007 | 3.28 | 3.325 | 0.382 | 3.707 | 424 | 11 |
| 80 10 28 1020 | | | .3 | 1 | 0.021 | 0.050 | 0.510 | 0.012 | 3.090 | 3.152 | 0.460 | 3.612 | 520.0 | 3.0 |
| 80 11 28 1000 | | | .3 | 1 | 0.010 | 0.022 | 0.800 | 0.028 | 3.770 | 3.820 | 0.778 | 4.598 | 648.0 | 84.0 |
| 80 12 23 1010 | | | .3 | 1 | 0.004 | 0.052 | 0.590 | 0.019 | 5.500 | 5.571 | 0.538 | 6.109 | 619.0 | 5.0 |
| MAXIMUM | | | | | 0.095 | 0.480 | 2.250 | 0.040 | 5.500 | 5.571 | 1.770 | 6.109 | 648.0 | 180.0 |
| ARITH MEAN | | | | | 0.020 | 0.076 | 0.83 | 0.019 | 2.66 | 2.759 | 0.758 | 3.517 | 487 | 27 |
| GEOM MEAN | | | | | 0.011 | 0.035 | 0.75 | 0.017 | 2.43 | 2.547 | 0.700 | 3.383 | 480 | 10 |
| MINIMUM | | | | | 0.001 | 0.005 | 0.42 | 0.007 | 0.962 | 0.988 | 0.382 | 1.720 | 345.0 | 3.0 |
| STD DEV | | | | | 0.025 | 0.131 | 0.45 | 0.010 | 1.14 | 1.131 | 0.363 | 1.023 | 87 | 52 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
| 80 01 23 1330 | | | .3 | 1 | 459.0 | 600.0 | 4.80 | 30.500 | 8.21 | 7.8 |
| 80 02 25 1250 | | | .3 | 1 | 452.0 | 630.0 | 6.50 | 43.000 | 8.20 | 7.5 |
| 80 03 19 1300 | | | .3 | 1 | | 340.0 | 50.00 | 27.500 | 7.62 | 7.3 |
| 80 04 08 1300 | | | .3 | 1 | 336.0 | 520.0 | 4.70 | 30.000 | 8.33 | 7.7 |
| 80 05 27 1700 | | | .3 | 1 | 474.0 | 600.0 | 3.70 | 31.500 | 8.65 | 8.2 |
| 80 06 24 0905 | | | .3 | 1 | 555.0 | 750.0 | 3.00 | 44.000 | 8.34 | 7.95 |
| 80 07 08 1910 | | | .3 | 1 | | 650.0 | | | 8.40 | 8.30 |
| 80 07 09 0410 | | | .3 | 1 | | 700.0 | | | 8.21 | 8.30 |
| 80 07 24 1130 | | | .3 | 1 | 465.0 | 700.0 | 4.30 | 38.500 | 8.52 | 8.05 |
| 80 08 27 1115 | | | .3 | 1 | 451 | 650 | 2.7 | 40.0 | 8.41 | 8.05 |
| 80 09 24 1345 | | | .3 | 1 | 411 | 700 | 4.3 | 41.0 | 8.31 | 8.4 |
| 80 10 28 1020 | | | .3 | 1 | 517.0 | 880.0 | 3.00 | 51.000 | 8.19 | 7.65 |
| 80 11 28 1000 | | | .3 | 1 | 564.0 | 920.0 | 47.00 | 116.000 | 7.94 | |
| 80 12 23 1010 | | | .3 | 1 | 614.0 | 860.0 | 2.30 | 48.000 | 8.28 | |
| MAXIMUM | | | | | 614.0 | 920.0 | 50.00 | 116.000 | 8.65 | 8.4 |
| ARITH MEAN | | | | | 481 | 678 | 11.3 | 45.0 | 8.26 | 7.9 |
| GEOM MEAN | | | | | 475 | 660 | 5.7 | 41.6 | 8.26 | 7.9 |
| MINIMUM | | | | | 336.0 | 340.0 | 2.30 | 27.500 | 7.62 | 7.3 |
| STD DEV | | | | | 77 | 150 | 17.4 | 23.5 | 0.25 | 0.3 |
| NO OF SAMPLES | | | | | 11 | 14 | 12 | 12 | 14 | 12 |

B.O.W / SITE: **TURKEY CREEK**
SAMPLE POINT: **AT WINDSOR SUBURBAN ROAD 40**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **TURKEY CREEK**

STATION ID: **10-0001-002-02**
STORET CODE: **02**
**003**
**2740**

LAT LONG: U T M: **17 0329400.0 4679200.0 4** REGION: **01** DISTANCE: **3.862**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
| 80 01 14 1230 | | | .3 | 1 | 30502 | 6 | 2200000 | 2100000 | 200000 | 9000I | 10< | 2.0 | | 6.0 |
| 80 02 11 1150 | | | .3 | 1 | 30515 | 6 | 35000000 | 28000000 | 220000 | 21000 | 4C | 0.5 | 6.8 | 12.0 |
| 80 03 10 1230 | | | .3 | 1 | 30529 | 6 | 3800000 | 5000000 | 50000I | 30000 | 330C | 5.2 | 7.5 | 8.0 |
| 80 04 14 1310 | | | .3 | 1 | 30544 | 6 | 380000 | 1050000 | 70000I | 7000I | 40I | 5.0 | 12.0 | 5.2 |
| 80 05 12 1205 | | | .3 | 1 | 30562 | 9 5 0 | 16300000> | 17000000 | 240000 | 4600 | 140 | 14.0 | 3.2 | 14.0 |
| 80 06 10 1230 | | | .3 | 1 | 30598 | 3 | 440000 | 500000 | 42000 | 2100 | 250 | 13.9 | 6.4 | 2.4 |
| 80 07 23 1300 | | | .3 | 1 | 30619 | 6 0 | 3030000> | 1070000 | 55000 | 200I | 750 | 22.5 | 1.1 | 13.2 |
| 80 08 11 1310 | | | .3 | 1 | 30628 | 3 0 9 | 2200000 | 900000 | 46000 | 1900 | 350 | 22.8 | 1.8 | 6.0 |
| 80 10 14 1345 | | | .3 | 1 | 30652 | 9 0 | 1200000 | 5800000 | 360000 | 6500 | 840C | 7.0 | 1.8 | 10.0 |
| 80 11 10 1330 | | | .3 | 1 | 30658 | | 11100000 | 15100000 | 250000 | 12900 | 930 | 7.0 | 2.6 | 18.4 |
| 80 12 09 1210 | | | .3 | 1 | 30674 | 3 6 | 240000 | 350000 | 43000 | 3200 | 270 | 7.2 | 8.9 | 3.8 |
| MAXIMUM | | | | | | | 35000000> | 28000000 | 360000 | 30000 | 930 | 22.8 | 12.0 | 18.4 |
| ARITH MEAN | | | | | | | 6899090G | 6988181 | 143273 | 8945 | 358L | 9.7 | 5.2 | 9.0 |
| GEOM MEAN | | | | | | | 2424213G | 2782656 | 103879 | 4900 | 152L | 6.5 | 4.0 | 7.7 |
| MINIMUM | | | | | | | 240000 | 350000 | 42000 | 200 | 4< | 0.5 | 1.1 | 2.4 |
| STD DEV | | | | | | | 10608790G | 9112125 | 113338 | 9159 | 338L | 7.6 | 3.7 | 5.0 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 10 | 11 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
| 80 01 14 1230 | | | .3 | 1 | 1.190 | 0.890 | 11.400 | | 0.117 | 2.080 | 13.597 | | | 572.00 |
| 80 02 11 1150 | | | .3 | 1 | 2.520 | 1.910 | 8.250 | 10.200 | 0.050 | 0.380 | 8.680 | 1.950 | 10.630 | 470.0 |
| 80 03 10 1230 | | | .3 | 1 | 1.600 | 1.180 | 7.200 | 8.500 | 0.082 | 0.790 | 8.072 | 1.300 | 9.372 | 1442.0 |
| 80 04 14 1310 | | | .3 | 1 | 0.775 | 0.200 | 0.780 | 2.500 | 0.069 | 1.070 | 1.919 | 1.720 | 3.639 | 590.0 |
| 80 05 12 1205 | | | .3 | 1 | 2.530 | 1.640 | 6.600 | 9.500 | 0.083 | 0.070 | 6.753 | 2.900 | 9.653 | 526.0 |
| 80 06 10 1230 | | | .3 | 1 | 0.950 | 0.500 | 1.300 | 2.750 | 0.130 | 1.500 | 2.930 | 1.450 | 4.380 | 520.0 |
| 80 07 23 1300 | | | .3 | 1 | 0.880 | 0.450 | 1.700 | 3.560 | 0.070 | 0.010< | 1.780 | 1.860 | 3.640 | 431.1 |
| 80 08 11 1310 | | | .3 | 1 | 1.350 | 0.845 | 4.100 | 6.000 | 0.107 | 0.240 | 4.447 | 1.900 | 6.347 | 392.2 |
| 80 10 14 1345 | | | .3 | 1 | 2.930 | 2.360 | 10.000 | 12.500 | 0.045 | 0.250 | 10.295 | 2.500 | 12.795 | 400.6 |
| 80 11 10 1330 | | | .3 | 1 | 3.180 | 2.400 | 0.900 | 13.000 | 0.042 | 0.060 | 1.002 | 12.100 | 13.102 | 430.8 |
| 80 12 09 1210 | | | .3 | 1 | 0.540 | 0.385 | 1.400 | 2.460 | 0.094 | 1.770 | 3.264 | 1.060 | 4.324 | 570.8 |
| MAXIMUM | | | | | 3.180 | 2.400 | 11.400 | 13.000 | 0.130 | 2.080 | 13.597 | 12.100 | 13.102 | 1442.0 |
| ARITH MEAN | | | | | 1.677 | 1.160 | 4.875 | 7.097 | 0.081 | 0.747L | 5.704 | 2.874 | 7.786 | 676.8 |
| GEOM MEAN | | | | | 1.436 | 0.889 | 3.229 | 5.867 | 0.076 | 0.326L | 4.314 | 2.147 | 6.933 | 636.6 |
| MINIMUM | | | | | 0.540 | 0.200 | 0.780 | 2.460 | 0.042 | 0.010< | 1.002 | 1.060 | 3.639 | 392.2 |
| STD DEV | | | | | 0.943 | 0.800 | 3.959 | 4.172 | 0.029 | 0.749L | 4.074 | 3.287 | 3.764 | 296.5 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 10 | 11 | 11 | 11 | 10 | 10 | 11 |

(CONTD)

B.O.W./ SITE **TURKEY CREEK**
SAMPLE POINT **AT WINDSOR SUBURBAN ROAD 40**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ERIE**
TERM STREAM **TURKEY CREEK**

STATION ID **10-0001-002-02**
STORET CODE **02**
**003**
**2740**

LAT LONG U T M **17 0329400.0 4679200.0 4** REGION **01** DISTANCE **3.882**

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | ALKT | PH | FWPH | PHNOL | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE |
| 80 01 14 1230 | | | .3 | 1 | 8.50 | 563.00 | 980.0 | 5.70 | 109.000 | 288 | 7.55 | | 3.5 | 0.360 |
| 80 02 11 1150 | | | .3 | 1 | 50.0 | 420.0 | 740.0 | 25.00 | 76.500 | 183.0 | 7.31 | 7.1 | 1.000< | 1.800 |
| 80 03 10 1230 | | | .3 | 1 | 5.0 | 1437.0 | 2600.0 | 9.80 | 670.000 | 162.0 | 7.40 | 7.0 | 7.500 | 0.720 |
| 80 04 14 1310 | | | .3 | 1 | 279.0 | 311.0 | 447.0 | 220.00 | 48.500 | | 7.63 | 8.0 | 1.500 | 10.700 |
| 80 05 12 1205 | | | .3 | 1 | 10.0 | 516.0 | 845.0 | 4.20 | 89.500 | 212.0 | 7.50 | | 2.000 | 0.640 |
| 80 06 10 1230 | | | .3 | 1 | 18.0 | 502.0 | 790.0 | 9.00 | 16.500 | | 7.75 | | | |
| 80 07 23 1300 | | | .3 | 1 | 19.0 | 412.1 | 680.0 | 10.00 | 60.500 | 148.0 | 7.42 | 7.5 | 9.0 | 0.91 |
| 80 08 11 1310 | | | .3 | 1 | 20.5 | 371.7 | 620.0 | 14.00 | 58.000 | 170.0 | 7.63 | 7.5 | 1.500 | 1.140 |
| 80 10 14 1345 | | | .3 | 1 | 14.6 | 386.0 | 738.0 | 8.00 | 65.000 | 208.0 | 7.50 | | 1.500 | 0.580 |
| 80 11 10 1330 | | | .3 | 1 | 18.3 | 412.5 | 725.0 | 8.30 | 64.000 | 218.0 | 7.53 | | 2.500 | 0.760 |
| 80 12 09 1210 | | | .3 | 1 | 24.2 | 546.6 | 960.0 | 17.00 | 88.500 | 195.0 | 7.67 | 7.4 | 1.500 | 1.460 |
| **MAXIMUM** | | | | | **279.0** | **1437.0** | **2600.0** | **220.00** | **670.000** | **288** | **7.75** | **8.0** | **9.0** | **10.700** |
| **ARITH MEAN** | | | | | **42.4** | **534.3** | **920.5** | **30.09** | **122.384** | **198** | **7.54** | **7.4** | **3.1 L** | **1.90** |
| **GEOM MEAN** | | | | | **20.5** | **486.9** | **825.8** | **13.03** | **76.390** | **194** | **7.53** | **7.4** | **2.3 L** | **1.07** |
| **MINIMUM** | | | | | **5.0** | **311.0** | **447.0** | **4.20** | **16.500** | **148.0** | **7.31** | **7.0** | **1.000<** | **0.360** |
| **STD DEV** | | | | | **79.3** | **309.5** | **576.6** | **63.25** | **183.233** | **41** | **0.13** | **0.4** | **2.7 L** | **3.12** |
| **NO OF SAMPLES** | | | | | **11** | **11** | **11** | **11** | **11** | **9** | **11** | **6** | **10** | **10** |

| TEST-NAME: | | | | | COD | CRUT | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHEM. OX DEMAND MG/L AS O | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 01 14 1230 | | | .3 | 1 | 51 | 0.020< | 0.010< | 0.030< | 0.120 | 0.020< |
| 80 02 11 1150 | | | .3 | 1 | 34 | 0.030 | 0.010< | 0.030< | 0.040 | 0.270 |
| 80 03 10 1230 | | | .3 | 1 | 146 | 0.050 | 0.010< | 0.030< | 0.170 | 0.050 |
| 80 04 14 1310 | | | .3 | 1 | 78 | 0.050 | 0.040 | 0.030< | 0.100 | 0.050 |
| 80 05 12 1205 | | | .3 | 1 | 60 | 0.020< | 0.010 | 0.030< | 0.050 | 0.050 |
| 80 06 10 1230 | | | .3 | 1 | 44 | | 0.010< | 0.030< | 0.110 | 0.060 |
| 80 07 23 1300 | | | .3 | 1 | 72 | 0.01 < | 0.01 < | 0.01 | 0.082 | 0.010< |
| 80 08 11 1310 | | | .3 | 1 | 38 | 0.02 | 0.01 | 0.01 < | 0.031 | 0.020 |
| 80 10 14 1345 | | | .3 | 1 | 71 | 0.022 | 0.006 | 0.003 | 0.040 | 0.100 |
| 80 11 10 1330 | | | .3 | 1 | | 0.023 | 0.010 | 0.005 | 0.051 | 0.200 |
| 80 12 09 1210 | | | .3 | 1 | 48 | 0.030 | 0.009 | 0.010 | 0.260 | 0.081 |
| **MAXIMUM** | | | | | **146** | **0.060** | **0.040** | **0.030** | **0.260** | **0.270** |
| **ARITH MEAN** | | | | | **64** | **0.02 L** | **0.01 L** | **0.02 L** | **0.096** | **0.083L** |
| **GEOM MEAN** | | | | | **59** | **0.02 L** | **0.01 L** | **0.01 L** | **0.077** | **0.055L** |
| **MINIMUM** | | | | | **34** | **0.01 <** | **0.006<** | **0.003<** | **0.031** | **0.010<** |
| **STD DEV** | | | | | **32** | **0.01 L** | **0.00 L** | **0.01 L** | **0.069** | **0.081L** |
| **NO OF SAMPLES** | | | | | **10** | **10** | **11** | **11** | **11** | **11** |

B.O.W./ SITE **CANARD RIVER**
SAMPLE POINT **HWY.18 2 MILES SOUTH OF RIVER CANARD**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ERIE**
TERM STREAM **CANARD RIVER**

STATION ID **10-0002-001-02**
STORET CODE **02**
**003**
**2700**

LAT LONG U T M **17 0326710.0 4670400.0 4** REGION **01** DISTANCE **0.805**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 14 1200 | | | .3 | 1 | 30501 | 4 | | | 24 | 100 | | 0.0 | | |
| 80 02 11 1125 | | | .3 | 1 | 30514 | 4 | | | 24 | 4< | | 1.0 | 17.0 | |
| 80 03 10 1205 | | | .3 | 1 | 30528 | 4 | | | 4< | 4< | | 1.2 | 17.0 | 9.0 |
| 80 04 14 1245 | | | .3 | 1 | 30543 | 6 | 800I | 3600 | 340 | 140 | 10< | 5.0 | 12.5 | |
| 80 05 12 1145 | | | .3 | 1 | 30561 | 6 | 100 | 1400 | 20I | 10< | 4< | 15.0 | 9.7 | 3.2 |
| 80 06 10 1205 | | | .3 | 1 | 30597 | 3 | 7800C | 43000 | 1130 | 1020 | 10< | 14.8 | 8.1 | 1.6 |
| 80 07 23 1230 | | | .3 | 1 | 30618 | 3 | 400I | 14600 | 30I | 70I | 4< | 25.6 | 8.0 | 2.2 |
| 80 08 11 1245 | | | .3 | 1 | 30627 | 9 3 | 3100 | 14600 | 70I | 290 | 4 | 25.7 | 9.8 | 5.6 |
| 80 09 08 1200 | | | .3 | 1 | 30642 | 6 | 160 | 2010 | 10I | 10I | 4< | 23.0 | 10.8 | 2.8 |
| 80 10 14 1300 | | | .3 | 1 | 30650 | 6 | 290C | 3500 | 20 | 32 | 4< | 7.0 | 9.8 | 1.5 |
| 80 11 10 1235 | | | .3 | 1 | 30657 | 6 | 570 | 3700 | 28C | 4< | 4< | 6.0 | 12.0 | 3.0 |
| 80 12 09 1145 | | | .3 | 1 | 30673 | 3 6 | 3200 | 22000 | 392 | 412 | 4< | 4.0 | 10.4 | 2.8 |
| **MAXIMUM** | | | | | | | **7800** | **43000** | **1130** | **1020** | **10** | **25.7** | **17.0** | **9.0** |
| **ARITH MEAN** | | | | | | | **1824** | **12046** | **174L** | **175L** | **5L** | **10.7** | **11.4** | **3.5** |
| **GEOM MEAN** | | | | | | | **739** | **6679** | **46L** | **41L** | **5L** | **6.2** | **11.0** | **3.0** |
| **MINIMUM** | | | | | | | **100** | **1400** | **4<** | **4<** | **4<** | **0.0** | **8.0** | **1.5** |
| **STD DEV** | | | | | | | **2649** | **13686** | **329L** | **296L** | **3L** | **9.7** | **3.1** | **2.4** |
| **NO OF SAMPLES** | | | | | | | **9** | **9** | **12** | **12** | **9** | **12** | **11** | **9** |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 14 1200 | | | .3 | 1 | 0.042 | 0.015 | | 0.500 | 0.011 | 1.360 | | | 1.871 | |
| 80 02 11 1125 | | | .3 | 1 | 0.069 | 0.005 | | 0.650 | 0.013 | 2.840 | | | 3.503 | |
| 80 03 10 1205 | | | .3 | 1 | 0.170 | 0.008 | | 1.850 | 0.020 | 1.600 | | | 3.470 | |
| 80 04 14 1245 | | | .3 | 1 | 0.205 | 0.018 | | 0.950 | 0.027 | 1.900 | | | 2.877 | |
| 80 05 12 1145 | | | .3 | 1 | 0.180 | 0.010 | 0.035 | 1.320 | 0.039 | 2.160 | 2.234 | 1.285 | 3.519 | 442.0 |
| 80 06 10 1205 | | | .3 | 1 | 0.780 | 0.450 | 0.215 | 2.800 | 0.230 | 5.100 | 5.545 | 2.585 | 8.130 | 800.0 |
| 80 07 23 1230 | | | .3 | 1 | 0.148 | 0.019 | 0.040 | 1.000 | 0.019 | 0.120 | 0.179 | 0.960 | 1.139 | 366.4 |
| 80 08 11 1245 | | | .3 | 1 | 0.164 | 0.006 | 0.005 | 1.800 | 0.114 | 8.300 | 8.419 | 1.795 | 10.214 | 436.4 |
| 80 09 08 1200 | | | .3 | 1 | 0.108 | 0.009 | 0.005 | 0.840 | 0.004 | 0.030 | 0.039 | 0.835 | 0.874 | 284.5 |
| 80 10 14 1300 | | | .3 | 1 | 0.062 | 0.003 | 0.020 | 0.540 | 0.005 | 0.200 | 0.225 | 0.520 | 0.745 | 232.5 |
| 80 11 10 1235 | | | .3 | 1 | 0.088 | 0.006 | 0.020 | 0.740 | 0.004 | 0.080 | 0.104 | 0.720 | 0.824 | 284.4 |
| 80 12 09 1145 | | | .3 | 1 | 0.154 | 0.016 | 0.210 | 1.500 | 0.021 | 1.580 | 1.811 | 1.290 | 3.101 | 727.9 |
| **MAXIMUM** | | | | | **0.780** | **0.450** | **0.215** | **2.800** | **0.230** | **8.300** | **8.419** | **2.585** | **10.214** | **800.0** |
| **ARITH MEAN** | | | | | **0.181** | **0.047** | **0.069** | **1.207** | **0.042** | **2.106** | **2.319** | **1.249** | **3.356** | **446.8** |
| **GEOM MEAN** | | | | | **0.133** | **0.012** | **0.030** | **1.056** | **0.019** | **0.824** | **0.647** | **1.110** | **2.398** | **408.4** |
| **MINIMUM** | | | | | **0.042** | **0.003** | **0.005** | **0.500** | **0.004** | **0.030** | **0.039** | **0.520** | **0.745** | **232.5** |
| **STD DEV** | | | | | **0.196** | **0.127** | **0.090** | **0.682** | **0.066** | **2.431** | **3.093** | **0.671** | **2.986** | **210.1** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **8** | **12** | **12** | **12** | **8** | **8** | **12** | **8** |

(CONTD)

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | ALKT | PH | FWPH | PHNOL | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'TY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE |
| 80 01 14 1200 | | | .3 | 1 | 9.50 | 170.00 | | | | 94 | 7.87 | | | |
| 80 02 11 1125 | | | .3 | 1 | 2.00 | 352.00 | 530.0 | 4.80 | 40.5 | 126.0 | 8.21 | 7.5 | 1.000< | 0.240 |
| 80 03 10 1205 | | | .3 | 1 | 11.50 | 356.00 | 585.0 | 12.00 | | 94.7 | 8.89 | 8.8 | 1.000< | |
| 80 04 14 1245 | | | .3 | 1 | 116.00 | 242.000 | 372.0 | 110.00 | 24.000 | 97.1 | 8.01 | 8.6 | 1.000 | 5.400 |
| 80 05 12 1145 | | | .3 | 1 | 75.0 | 367.0 | 545.0 | 80.00 | 50.500 | 128.0 | 8.09 | | 1.000< | |
| 80 06 10 1205 | | | .3 | 1 | 202.0 | 223.000 | 343.0 | 480.00 | 19.000 | | 7.75 | | | |
| 80 07 23 1230 | | | .3 | 1 | 54.6 | 311.8 | 402.0 | 66.00 | 35.000 | 117.0 | 8.15 | 7.9 | 1.0 < | 4.05 |
| 80 08 11 1245 | | | .3 | 1 | 60.9 | 385.5 | 478.0 | 49.00 | 33.500 | 123.0 | 8.33 | 8.5 | 1.000 | 3.000 |
| 80 09 08 1200 | | | .3 | 1 | 40.7 | 243.8 | 472.0 | 46.00 | 59.000 | 108.0 | 8.25 | | | 2.360 |
| 80 10 14 1300 | | | .3 | 1 | 21.1 | 234.000 | 361.0 | 24.00 | 32.500 | 104.0 | 8.10 | | 1.000< | 1.410 |
| 80 11 10 1235 | | | .3 | 1 | 43.3 | 241.1 | 445.0 | 31.00 | 40.000 | 113.0 | 8.23 | | 1.000< | 1.710 |
| 80 12 09 1145 | | | .3 | 1 | 31.1 | 696.8 | 965.0 | 26.00 | 84.500 | 170.0 | 7.99 | 7.8 | 1.000< | 1.440 |
| MAXIMUM | | | | | 202.0 | 696.8 | 965.0 | 480.00 | 84.500 | 170.0 | 8.89 | 8.8 | 1.000 | 5.400 |
| ARITH MEAN | | | | | 56.6 | 318.5 | 499.8 | 84.44 | 41.8 | 115 | 8.18 | 8.2 | 1.0 L | 2.45 |
| GEOM MEAN | | | | | 32.6 | 297.7 | 478.8 | 41.91 | 38.4 | 114 | 8.15 | 8.2 | 1.0 L | 1.83 |
| MINIMUM | | | | | 2.00 | 170.00 | 343.0 | 4.80 | 19.000 | 94 | 7.75 | 7.5 | 1.000< | 0.240 |
| STD DEV | | | | | 56.0 | 137.5 | 173.4 | 134.81 | 18.9 | 21 | 0.28 | 0.5 | 0.0 L | 1.66 |
| NO OF SAMPLES | | | | | 12 | 12 | 11 | 11 | 10 | 11 | 12 | 6 | 9 | 8 |

| TEST-NAME: | | | | | CRUT | CUUT | PBUT | CDUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 01 14 1200 | | | .3 | 1 | 0.020< | 0.010< | 0.030< | 0.005< | 0.010< | |
| 80 02 11 1125 | | | .3 | 1 | | 0.010< | 0.030< | | | |
| 80 03 10 1205 | | | .3 | 1 | | 0.010< | 0.030< | | | |
| 80 04 14 1245 | | | .3 | 1 | | 0.010< | 0.030< | | | 0.02 < |
| 80 05 12 1145 | | | .3 | 1 | 0.020< | 0.010< | 0.030< | | 0.010< | 0.020< |
| 80 06 10 1205 | | | .3 | 1 | | 0.020 | 0.030< | | | |
| 80 07 23 1230 | | | .3 | 1 | | 0.01 < | 0.01 | | | |
| 80 08 11 1245 | | | .3 | 1 | | 0.01 | 0.01 < | | | |
| 80 09 08 1200 | | | .3 | 1 | | 0.010< | 0.010< | | | |
| 80 10 14 1300 | | | .3 | 1 | | 0.004 | 0.004 | | | |
| 80 11 10 1235 | | | .3 | 1 | | 0.003 | 0.004 | | | |
| 80 12 09 1145 | | | .3 | 1 | | 0.006 | 0.003< | | | |
| MAXIMUM | | | | | 0.020 | 0.020 | 0.030 | 0.005 | 0.010 | 0.020 |
| ARITH MEAN | | | | | 0.020L | 0.00 L | 0.01 L | 0.005L | 0.010L | 0.02 L |
| GEOM MEAN | | | | | 0.020L | 0.00 L | 0.01 L | | 0.010L | 0.02 L |
| MINIMUM | | | | | 0.020< | 0.003< | 0.003< | 0.005< | 0.010< | 0.02 < |
| STD DEV | | | | | 0.000L | 0.00 L | 0.01 L | | 0.000L | 0.00 L |
| NO OF SAMPLES | | | | | 2 | 12 | 12 | 1 | 2 | 2 |

B.O.W./SITE: **CANARD RIVER**
SAMPLE POINT: **2 MILES SOUTH OF LUKERVILLE**
STATION TYPE: **RIVER FLOW GAUGE FED 02GH002**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **CANARD RIVER**

STATION ID: **10-0002-002-02**

STORET CODE: **02**
**C'13**
**2700**

LAT: LONG: U.T.M: **17 0333250.0 4669200.0 4** REGION: **01** DISTANCE: **12.070**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 02 11 1105 | | | .3 | 1 | 30513 | 4 | 0.036 | 300I | 16100 | 10I | 280 | 4< | 1.2 | 15.0 |
| 80 03 10 1155 | | | .3 | 1 | 30527 | 4 | 0.265 | 570C | 5600 | 20 | 116 | 4< | 3.2 | 10.4 |
| 80 04 14 1230 | | | .3 | 1 | 30542 | 6 | 9.110 | 550 | 1930 | 120 | 380 | 4< | 6.8 | 11.0 |
| 80 05 12 1130 | | | .3 | 1 | 30560 | 6 | 0.134 | 20200> | 17000 | 64 | 8 | 4< | 17.5 | 6.2 |
| 80 06 10 1140 | | | .3 | 1 | 30596 | 3 | 1.200 | 21000 | 80000 | 670 | 1340 | 4 | 15.0 | 7.1 |
| 80 07 23 1205 | | | .3 | 1 | 30617 | 6 3 | 3.510 | 2000C | 38000 | 120 | 230 | 4< | 22.2 | 9.5 |
| 80 08 11 1220 | | | .3 | 1 | 30626 | 3 | 1.290 | 6100C | 25000 | 350 | 390 | 12 | 25.8 | 7.3 |
| 80 09 08 1140 | | | .3 | 1 | 30641 | 6 | 0.130 | 3300 | 8600 | 3200 | 30I | 8 | 20.5 | 7.8 |
| 80 10 14 1310 | | | .3 | 1 | 30651 | 6 | 0.079 | 190 | 1760 | 12 | 88 | 4< | 8.0 | 8.6 |
| 80 11 10 1210 | | | .3 | 1 | 30656 | 6 | 0.074 | 450 | 1480 | 4< | 4< | 4< | 5.0 | 12.8 |
| 80 12 09 1120 | | | .3 | 1 | 30672 | 3 6 | 5.070 | 41000 | 53000 | 1440 | 600> | 48 | 6.0 | 9.6 |
| MAXIMUM | | | | | | | 9.110 | 41000> | 80000 | 3200 | 1340> | 48 | 25.8 | 15.0 |
| ARITH MEAN | | | | | | | 1.900 | 8696Q | 22588 | 546L | 315B | 9L | 11.9 | 9.6 |
| GEOM MEAN | | | | | | | 0.469 | 2193Q | 10934 | 100L | 120B | 6L | 8.6 | 9.3 |
| MINIMUM | | | | | | | 0.036 | 190 | 1480 | 4< | 4< | 4< | 1.2 | 6.2 |
| STD DEV | | | | | | | 2.908 | 13233Q | 25156 | 982L | 389B | 13L | 8.5 | 2.6 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 02 11 1105 | | | .3 | 1 | 1.4 | 0.100 | 0.055 | 0.020 | 0.540 | 0.013 | 1.940 | 1.973 | 0.520 | 2.493 |
| 80 03 10 1155 | | | .3 | 1 | 3.0 | 0.362 | 0.127 | 0.905 | 3.660 | 0.023 | 2.230 | 3.158 | 2.755 | 5.913 |
| 80 04 14 1230 | | | .3 | 1 | 0.4 | 0.330 | 0.074 | 0.080 | 1.250 | 0.040 | 4.700 | 4.820 | 1.170 | 5.990 |
| 80 05 12 1130 | | | .3 | 1 | 6.8 | 0.302 | 0.014 | 0.080 | 2.160 | 0.003 | 0.010< | 0.093 | 2.080 | 2.173 |
| 80 06 10 1140 | | | .3 | 1 | 1.6 | 0.970 | 0.500 | 0.190 | 6.800 | 0.230 | 4.600 | 5.020 | 6.610 | 11.630 |
| 80 07 23 1205 | | | .3 | 1 | 0.2 | 0.215 | 0.009 | 0.340 | 1.860 | 0.116 | 0.010 | 0.466 | 1.520 | 1.986 |
| 80 08 11 1220 | | | .3 | 1 | 3.4 | 0.272 | 0.082 | 0.015 | 1.680 | 0.103 | 1.660 | 1.778 | 1.665 | 3.443 |
| 80 09 08 1140 | | | .3 | 1 | 2.0 | 0.200 | 0.081 | 0.015 | 1.300 | 0.017 | 0.080 | 0.112 | 1.285 | 1.397 |
| 80 10 14 1310 | | | .3 | 1 | 5.8 | 0.066 | 0.013 | 0.180 | 0.820 | 0.004 | 0.010< | 0.194 | 0.640 | 0.834 |
| 80 11 10 1210 | | | .3 | 1 | 2.0 | 0.140 | 0.074 | 0.010 | 0.900 | 0.004 | 0.010< | 0.024 | 0.890 | 0.914 |
| 80 12 09 1120 | | | .3 | 1 | 3.2 | 0.450 | 0.225 | 0.115 | 2.040 | 0.073 | 7.500 | 7.688 | 1.925 | 9.613 |
| MAXIMUM | | | | | 6.8 | 0.970 | 0.500 | 0.905 | 6.800 | 0.230 | 7.500 | 7.688 | 6.610 | 11.630 |
| ARITH MEAN | | | | | 2.7 | 0.310 | 0.114 | 0.177 | 2.092 | 0.067 | 2.068L | 2.302 | 1.916 | 4.217 |
| GEOM MEAN | | | | | 1.9 | 0.242 | 0.061 | 0.074 | 1.634 | 0.025 | 0.283L | 0.757 | 1.403 | 2.966 |
| MINIMUM | | | | | 0.2 | 0.066 | 0.009 | 0.010 | 0.540 | 0.003 | 0.010< | 0.024 | 0.520 | 0.834 |
| STD DEV | | | | | 2.1 | 0.248 | 0.142 | 0.262 | 1.779 | 0.070 | 2.529L | 2.579 | 1.890 | 3.640 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

B.O.W./ SITE **CANARD RIVER**
SAMPLE POINT **2 MILES SOUTH OF LUKERVILLE**
STATION TYPE **RIVER FLOW GAUGE FED 02GH002**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ERIE**
TERM STREAM **CANARD RIVER**

STATION ID **10-0002-002-02**
STORET CODE **02**
**003**
**2700**

LAT: LONG: U T M **17 0333250.0 4669200.0 4** REGION **01** DISTANCE **12.070**

| | | | TEST-NAME: | | RST | RSP | RSF | COND25 | TURB | CLIDUR | ALKT | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD |
| 80 02 11 1105 | | | .3 | 1 | 600.0 | 58.0 | 542.0 | 780.0 | 81.00 | 54.000 | 164.0 | 7.64 | 7.2 |
| 80 03 10 1155 | | | .3 | 1 | 566.0 | 6.5 | 559.5 | 840.0 | 21.00 | 89.000 | | 7.50 | 7.1 |
| 80 04 14 1230 | | | .3 | 1 | 678.0 | 167.0 | 511.0 | 562.0 | 380.00 | 31.000 | | 7.93 | |
| 80 05 12 1130 | | | .3 | 1 | 738.0 | 111.0 | 627.0 | 920.0 | 100.00 | 73.500 | | 7.81 | |
| 80 06 10 1140 | | | .3 | 1 | 804.0 | 133.0 | 187.000 | 288.0 | 630.00 | 15.500 | | 7.59 | |
| 80 07 23 1205 | | | .3 | 1 | 3321.6 | 42.5 | 3279.1 | 3430.0 | 7.60 | 385.000 | | 7.89 | 7.7 |
| 80 08 11 1220 | | | .3 | 1 | 511.8 | 60.1 | 451.7 | 570.0 | 62.00 | 37.000 | | 7.91 | 8.0 |
| 80 09 08 1140 | | | .3 | 1 | 550.8 | 52.6 | 498.2 | 685.0 | 88.00 | 64.500 | | 7.98 | |
| 80 10 14 1310 | | | .3 | 1 | 1722.5 | 16.1 | 1706.4 | 2140.0 | 12.00 | 205.000 | | 7.97 | |
| 80 11 10 1210 | | | .3 | 1 | 542.6 | 21.0 | 521.6 | 820.0 | 14.00 | 75.000 | | 8.35 | |
| 80 12 09 1120 | | | .3 | 1 | 572.2 | 80.0 | 492.2 | 580.0 | 178.00 | 44.000 | | 7.61 | 7.3 |
| MAXIMUM | | | | | 3321.6 | 167.0 | 3279.0 | 3430.0 | 630.00 | 385.000 | 164.0 | 8.35 | 8.0 |
| ARITH MEAN | | | | | 964.3 | 68.0 | 852.3 | 1055.9 | 143.05 | 97.591 | 164.0 | 7.83 | 7.5 |
| GEOM MEAN | | | | | 783.6 | 48.4 | 626.8 | 832.4 | 61.83 | 66.114 | | 7.83 | 7.5 |
| MINIMUM | | | | | 511.8 | 6.5 | 187.000 | 288.0 | 7.60 | 15.500 | 164.0 | 7.50 | 7.1 |
| STD DEV | | | | | 853.8 | 50.7 | 890.8 | 918.8 | 194.13 | 107.711 | | 0.24 | 0.4 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 1 | 11 | 5 |

B.O.W./ SITE **CHIPPAWA CANAL**
SAMPLE POINT **WHIRLPOOL ROAD, NIAGARA FALLS**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ONTARIO**
TERM STREAM **WELLAND RIVER**

STATION ID **11-0001-001-02**
STORET CODE **02**
**004**
**5400**

LAT LONG: U T M **17 0656075.0 4776300.0 4** REGION **02** DISTANCE **3.862**

| | | | TEST-NAME: | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 30 1345 | | | .3 | 1 | 28342 | 6 | 5000I | 21000 | 400I | 100I | 1.2 | 13.3 | 0.2 | 0.042 |
| 80 02 27 1435 | | | .3 | 1 | 28377 | 6 | 2600 | 2500 | 540 | 140I | 1.1 | 13.6 | 0.2 | 0.025 |
| 80 03 19 1255 | | | .3 | 1 | 28403 | 6 | 5100 | 12000 | 760 | 460 | 3.2 | 13.8 | 0.4 | 0.060 |
| 80 04 15 1240 | | | .3 | 1 | 28459 | 3 | 13400 | 14000 | 5000 | 5200 | 3.2 | 12.2 | 0.8 | 0.142 |
| 80 05 06 1440 | | | .3 | 1 | 28507 | 6 | 19000 | 21000 | 2100 | 500 | 8.0 | 12.5 | 1.4 | 0.085 |
| 80 06 09 1350 | | | .3 | 1 | 28584 | 6 | 20000 | 24000 | 3200 | 2100 | 13.0 | 10.1 | 0.6 | 0.036 |
| 80 07 06 1650 | | | .3 | 1 | 80022 | 6 | | | | | 21.0 | 8.1 | | 0.034 |
| 80 07 07 0330 | | | .3 | 1 | 80023 | 6 | | | | | 20.0 | 8.4 | | 0.030 |
| 80 07 15 1345 | | | .3 | 1 | 28599 | 6 | 16000 | 47000 | 1700 | 1280 | 23.0 | 9.4 | 0.8 | 0.053 |
| 80 08 11 1350 | | | .3 | 1 | 28647 | 6 | 8000I | 19000 | 100 | 830 | 24.0 | 9.8 | 0.4 | 0.027 |
| 80 09 08 1315 | | | .3 | 1 | 28697 | 6 | 240000 | 120000 | 1080 | 650 | 23.5 | 8.5 | 0.8 | 0.026 |
| 80 10 07 1320 | | | .3 | 1 | 28741 | 6 | 7400C | 96000 | 150 | 10I | 14.5 | 8.5 | 0.8 | 0.037 |
| 80 11 17 1325 | | | .3 | 1 | 28790 | 6 | 1100 | 1900 | 170 | 150 | 7.0 | 11.1 | 0.4 | 0.022 |
| 80 12 17 1205 | | | .3 | 1 | 28829 | 6 | 12000C | 38000 | 1230 | 370 | 3.0 | 12.4 | 0.9 | 0.025 |
| MAXIMUM | | | | | | | 240000 | 120000 | 5000 | 5200 | 24.0 | 13.8 | 1.4 | 0.142 |
| ARITH MEAN | | | | | | | 29133 | 34700 | 1369 | 982 | 11.8 | 10.8 | 0.6 | 0.046 |
| GEOM MEAN | | | | | | | 10011 | 19644 | 750 | 393 | 7.6 | 10.6 | 0.6 | 0.039 |
| MINIMUM | | | | | | | 1100 | 1900 | 100 | 10 | 1.1 | 8.1 | 0.2 | 0.022 |
| STD DEV | | | | | | | 66697 | 36914 | 1471 | 1464 | 9.0 | 2.1 | 0.3 | 0.033 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 14 | 14 | 12 | 14 |

| | | | TEST-NAME: | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 30 1345 | | | .3 | 1 | 0.014 | 0.440 | 1.050 | 0.004 | 0.366 | 0.810 | 0.610 | 1.420 | 218.00 | 11.00 |
| 80 02 27 1435 | | | .3 | 1 | 0.007 | 0.216 | 0.520 | 0.002 | 0.398 | 0.616 | 0.304 | 0.920 | 206.00 | 4.00 |
| 80 03 19 1255 | | | .3 | 1 | 0.017 | 0.300 | 0.780 | 0.008 | 0.522 | 0.830 | 0.480 | 1.310 | 205.00 | 7.00 |
| 80 04 15 1240 | | | .3 | 1 | 0.035 | 0.150 | 0.900 | 0.020 | 0.390 | 0.560 | 0.750 | 1.310 | 226.00 | 41.00 |
| 80 05 06 1440 | | | .3 | 1 | 0.017 | 0.272 | 0.780 | 0.034 | 0.606 | 0.912 | 0.508 | 1.420 | 238.00 | 20.00 |
| 80 06 09 1350 | | | .3 | 1 | 0.003 | 0.292 | 0.810 | 0.010 | 0.515 | 0.817 | 0.518 | 1.335 | 209.00 | 14.00 |
| 80 07 06 1650 | | | .3 | 1 | 0.005 | 0.180 | 0.630 | 0.009 | 0.331 | 0.520 | 0.450 | 0.970 | | |
| 80 07 07 0330 | | | .3 | 1 | 0.008 | 0.089 | 0.410 | 0.008 | 0.337 | 0.434 | 0.321 | 0.755 | | |
| 80 07 15 1345 | | | .3 | 1 | 0.004 | 0.170 | 0.600 | 0.075 | 0.385 | 0.630 | 0.430 | 1.060 | 198 | 6 |
| 80 08 11 1350 | | | .3 | 1 | 0.001 | 0.312 | 0.670 | 0.019 | 0.346 | 0.677 | 0.358 | 1.035 | 205.00 | 10.00 |
| 80 09 08 1315 | | | .3 | 1 | 0.003 | 0.198 | 0.580 | 0.010 | 0.210 | 0.418 | 0.382 | 0.800 | 202.00 | 7.00 |
| 80 10 07 1320 | | | .3 | 1 | 0.014 | 0.680 | 1.360 | 0.025 | 0.570 | 1.275 | 0.680 | 1.955 | 204.00 | 6.00 |
| 80 11 17 1325 | | | .3 | 1 | 0.006 | 0.304 | 0.650 | 0.003 | 0.407 | 0.714 | 0.346 | 1.060 | 207.00 | 5.00 |
| 80 12 17 1205 | | | .3 | 1 | 0.005 | 0.164 | 0.520 | 0.003 | 0.317 | 0.484 | 0.356 | 0.840 | 213.00 | 15.00 |
| MAXIMUM | | | | | 0.035 | 0.680 | 1.360 | 0.075 | 0.606 | 1.275 | 0.750 | 1.955 | 238.00 | 41.00 |
| ARITH MEAN | | | | | 0.010 | 0.269 | 0.733 | 0.016 | 0.407 | 0.693 | 0.464 | 1.156 | 210 | 12 |
| GEOM MEAN | | | | | 0.007 | 0.239 | 0.699 | 0.010 | 0.393 | 0.661 | 0.446 | 1.118 | 210 | 9 |
| MINIMUM | | | | | 0.001 | 0.089 | 0.410 | 0.002 | 0.210 | 0.418 | 0.304 | 0.755 | 198 | 4.00 |
| STD DEV | | | | | 0.009 | 0.148 | 0.246 | 0.019 | 0.109 | 0.229 | 0.138 | 0.324 | 11 | 10 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FWPH | PHNOL | FEUT | COLAP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | COLOUR APPARENT HZU |
| 80 01 30 1345 | | | .3 | 1 | 207.000 | 319.0 | 14.00 | 21.000 | 7.500 | 7.83 | | 1.000< | 0.770 | 18.000 |
| 80 02 27 1435 | | | .3 | 1 | 202.000 | 310.0 | 4.20 | 21.000 | 27.500 | 8.14 | | 1.000< | 0.200 | 5.300 |
| 80 03 19 1255 | | | .3 | 1 | 198.000 | 305.0 | 10.00 | 20.500 | 27.500 | 8.04 | | 1.000< | 0.680 | 18.000 |
| 80 04 15 1240 | | | .3 | 1 | 185.000 | 285.0 | 51.00 | 17.000 | 29.500 | 7.98 | | 1.000< | 3.900 | 31.000 |
| 80 05 06 1440 | | | .3 | 1 | 218.000 | 335.0 | 22.00 | 19.500 | 42.500 | 8.13 | | 1.000< | 1.600 | 70.000> |
| 80 06 09 1350 | | | .3 | 1 | 195.000 | 300.0 | 4.50 | 19.500 | 25.500 | 8.32 | | 2.200 | 0.480 | 0.100 |
| 80 07 06 1650 | | | .3 | 1 | | 295.0 | | | | 8.31 | | | | |
| 80 07 07 0330 | | | .3 | 1 | | 295.0 | | | | 8.01 | | | | |
| 80 07 15 1345 | | | .3 | 1 | 192 | 295.0 | 4.00 | 19.000 | 27.000 | 8.37 | 7.9 | 1 < | 0.270 | |
| 80 08 11 1350 | | | .3 | 1 | 195.000 | 300.0 | 4.20 | 19.500 | 26.000 | 8.47 | 8.55 | 1.000< | 0.130 | 15.000 |
| 80 09 08 1315 | | | .3 | 1 | 195.000 | 300.0 | 1.60 | 19.500 | 26.500 | 8.34 | 7.8 | 1.000< | 0.270 | 3.000 |
| 80 10 07 1320 | | | .3 | 1 | 198.000 | 305.0 | 3.60 | 20.000 | 26.000 | 8.08 | 7.7 | 1.000< | 0.250 | 3.000 |
| 80 11 17 1325 | | | .3 | 1 | 202.000 | 310.0 | 3.60 | 20.000 | 27.000 | 8.21 | | 1.000< | 0.240 | 7.000 |
| 80 12 17 1205 | | | .3 | 1 | 198.000 | 305.0 | 14.00 | 20.000 | 27.000 | 7.91 | 8.3 | 1.000< | 0.760 | 5.000 |
| **MAXIMUM** | | | | | **218.000** | **335.0** | **51.00** | **21.000** | **42.500** | **8.47** | **8.55** | **2.200** | **3.900** | **70.000>** |
| **ARITH MEAN** | | | | | **198** | **304.2** | **11.39** | **19.708** | **26.625** | **8.15** | **8.0** | **1 L** | **0.796** | **15.945G** |
| **GEOM MEAN** | | | | | **198** | **304.0** | **7.03** | **19.681** | **26.147** | **8.15** | **8.0** | **1 L** | **0.476** | **8.927G** |
| **MINIMUM** | | | | | **185.000** | **285.0** | **1.60** | **17.000** | **7.500** | **7.83** | **7.7** | **1.000<** | **0.130** | **0.100** |
| **STD DEV** | | | | | **8** | **12.1** | **13.88** | **1.054** | **7.568** | **0.19** | **0.3** | **0 L** | **1.060** | **20.143G** |
| **NO OF SAMPLES** | | | | | **12** | **14** | **12** | **12** | **12** | **14** | **5** | **12** | **12** | **11** |

| TEST-NAME: | | | | | COD | MNUT |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHEM. OX DEMAND MG/L AS O | MANGANSE UNF.TOT. MG/L AS MN |
| 80 01 30 1345 | | | .3 | 1 | 38 | 0.019 |
| 80 02 27 1435 | | | .3 | 1 | 10 | 0.006 |
| 80 03 19 1255 | | | .3 | 1 | 10< | 0.025 |
| 80 04 15 1240 | | | .3 | 1 | 78 | 0.060 |
| 80 05 06 1440 | | | .3 | 1 | 28 | 0.045 |
| 80 06 09 1350 | | | .3 | 1 | 14 | 0.015 |
| 80 07 15 1345 | | | .3 | 1 | 48 | |
| 80 08 11 1350 | | | .3 | 1 | 18 | 0.004 |
| 80 09 08 1315 | | | .3 | 1 | 32 | 0.010 |
| 80 10 07 1320 | | | .3 | 1 | 10< | 0.008 |
| 80 11 17 1325 | | | .3 | 1 | 13 | 0.010 |
| 80 12 17 1205 | | | .3 | 1 | 24 | 0.019 |
| **MAXIMUM** | | | | | **78** | **0.060** |
| **ARITH MEAN** | | | | | **27L** | **0.020** |
| **GEOM MEAN** | | | | | **22L** | **0.015** |
| **MINIMUM** | | | | | **10<** | **0.004** |
| **STD DEV** | | | | | **20L** | **0.018** |
| **NO OF SAMPLES** | | | | | **12** | **11** |

B.O.W./ SITE: **WELLAND RIVER**
SAMPLE POINT: **AT MONTROSE BRIDGE**
STATION TYPE: **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ONTARIO**
TERM STREAM **WELLAND RIVER**

STATION ID: **11-0001-003-83**
STORET CODE: **02**
**004**
**5400**

LAT: LONG: U.T.M: **17 0652850.0 4767500.0 4** REGION: **02** DISTANCE: **14.162**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 03 1030 | | | .3 | 1 | 37600 | | | | | | | 0.130 | | |
| 80 01 07 1100 | | | .3 | 1 | 37601 | | | | | | | 0.143 | 0.065 | |
| 80 01 10 1100 | | | .3 | 1 | 37602 | | | | | | | 0.101 | | |
| 80 01 14 1030 | | | .3 | 1 | 37603 | | | | | | | 0.318 | 0.068 | |
| 1330 | | | .3 | 1 | 28301 | 3 | 7700 | 2900 | 3.0 | 11.1 | 1.0 | 0.338 | 0.190 | 12.800 |
| 80 01 17 1045 | | | .3 | 1 | 37604 | | | | | | | 0.330 | 0.145 | |
| 80 01 21 1230 | | | .3 | 1 | 37605 | | | | | | | 0.230 | 0.098 | |
| 80 01 24 1115 | | | .3 | 1 | 37606 | | | | | | | 0.070 | | |
| 80 01 28 1145 | | | .3 | 1 | 37607 | | | | | | | 0.078 | 0.036 | |
| 80 01 31 1115 | | | .3 | 1 | 37608 | | | | | | | 0.680 | | |
| 80 02 06 1105 | | | .3 | 1 | 28346 | 4 | | | 1.0 | 11.2 | | | | |
| 80 02 21 1100 | | | .3 | 1 | 37609 | | | | | | | 0.093 | 0.044 | |
| 80 02 25 1115 | | | .3 | 1 | 37610 | | | | | | | 0.113 | 0.042 | |
| 80 02 27 1305 | | | .3 | 1 | 28387 | 4 | 200I | 100I | 1.8 | 12.2 | 1.2 | 0.140 | 0.055 | 3.850 |
| 80 03 04 1130 | | | .3 | 1 | 37612 | | | | | | | 0.043 | 0.001 | |
| 80 03 06 1130 | | | .3 | 1 | 37613 | | | | | | | 0.138 | 0.043 | |
| 80 03 10 1120 | | | .3 | 1 | 28390 | 6 | | | 3.1 | 14.0 | | 0.079 | | |
| 80 03 11 1200 | | | .3 | 1 | 37614 | | | | | | | 0.313 | 0.115 | |
| 80 03 13 1040 | | | .3 | 1 | 28393 | 6 | | | 1.5 | 12.0 | | 0.248 | | |
| 1100 | | | .3 | 1 | 37615 | | | | | | | 0.215 | 0.120 | |
| 80 03 18 1100 | | | .3 | 1 | 37618 | | | | | | | 0.061 | 0.011 | |
| 80 03 19 1205 | | | .3 | 1 | 28402 | 3 | | | 3.0 | 11.4 | | 0.340 | | |
| 80 03 20 1100 | | | .3 | 1 | 37617 | | | | | | | 0.360 | 0.145 | |
| 80 03 24 1025 | | | .3 | 1 | 28407 | 3 | 1900 | 1900 | 3.0 | 11.0 | 2.4 | 0.381 | 0.170 | 4.370 |
| 80 03 27 1215 | | | .3 | 1 | 37619 | | | | | | | 0.385 | 0.120 | |
| 80 03 30 1545 | | | .3 | 1 | 37620 | | | | | | | 0.175 | 0.074 | |
| 80 04 01 1130 | | | .3 | 1 | 37621 | | | | | | | 0.230 | | |
| 80 04 02 1220 | | | .3 | 1 | 28444 | 3 9 | | | 6.0 | 9.7 | | 0.460 | | |
| 80 04 03 1700 | | | .3 | 1 | 37622 | | | | | | | 0.323 | 0.084 | |
| 80 04 06 1530 | | | .3 | 1 | 37623 | | | | | | | 0.183 | | |
| 80 04 08 1700 | | | .3 | 1 | 37624 | | | | | | | 0.175 | 0.066 | |
| 80 04 10 1105 | | | .3 | 1 | 28448 | 3 9 | | | 8.8 | 10.4 | | 0.070 | | |
| 1115 | | | .3 | 1 | 37625 | | | | | | | 0.243 | | |
| 80 04 13 1100 | | | .3 | 1 | 37626 | | | | | | | 0.248 | 0.079 | |
| 80 04 15 1045 | | | .3 | 1 | 37627 | | | | | | | 0.365 | | |
| 1210 | | | .3 | 1 | 28458 | 3 | | | 6.3 | 10.8 | | 0.425 | | |
| 80 04 17 1130 | | | .3 | 1 | 37628 | | | | | | | 0.475 | 0.170 | |
| 80 04 20 1445 | | | .3 | 1 | 37629 | | | | | | | 0.230 | | |
| 80 04 22 1145 | | | .3 | 1 | 37630 | | | | | | | 0.064 | 0.022 | |
| 80 04 24 1115 | | | .3 | 1 | 37631 | | | | | | | 0.109 | | |
| 1425 | | | .3 | 1 | 28471 | 3 | 20< | 20I | 9.0 | | 0.4 | 0.075 | 0.028 | 7.200 |
| 80 04 27 1700 | | | .3 | 1 | 37632 | | | | | | | 0.098 | 0.053 | |

B.O.W / SITE: **WELLAND RIVER**
SAMPLE POINT: **AT MONTROSE BRIDGE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **WELLAND RIVER**

STATION ID: **11-0001-003-83**
STORET CODE: **02**
**004**
**5400**

LAT: LONG: U.T.M: **17 0652850.0 4767500.0 4** REGION **02** DISTANCE: **14.162**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 04 29 1445 | | | .3 | 1 | 37633 | | | | | | | 0.045 | | |
| 80 05 01 1100 | | | .3 | 1 | 37634 | | | | | | | 0.168 | 0.047 | |
| 80 05 04 1945 | | | .3 | 1 | 37635 | | | | | | | 0.070 | | |
| 80 05 06 1310 | | | .3 | 1 | 28506 | 3 | | | 12.0 | 11.4 | | 0.075 | | |
| 1430 | | | .3 | 1 | 37636 | | | | | | | 0.061 | 0.02 | |
| 80 05 08 1215 | | | .3 | 1 | 37637 | | | | | | | 0.069 | 0.028 | |
| 80 05 11 1530 | | | .3 | 1 | 37638 | | | | | | | 0.067 | 0.009 | |
| 80 05 13 1415 | | | .3 | 1 | 37639 | | | | | | | 0.092 | | |
| 80 05 15 1100 | | | .3 | 1 | 37640 | | | | | | | 0.091 | 0.038 | |
| 80 05 20 1515 | | | .3 | 1 | 37641 | | | | | | | 0.087 | 0.020 | |
| 80 05 21 1130 | | | .3 | 1 | 28539 | 6 9 | 290 | 10< | 16.0 | 10.3 | 2.4 | 0.164 | 0.087 | 7.2 |
| 80 05 22 1030 | | | .2 | 1 | 37642 | | | | | | | 0.082 | | |
| 80 05 25 1600 | | | .3 | 1 | 37643 | | | | | | | 0.086 | 0.028 | |
| 80 05 27 1245 | | | .3 | 1 | 37644 | | | | | | | 0.199 | | |
| 80 05 29 1100 | | | .3 | 1 | 37645 | | | | | | | 0.138 | 0.075 | |
| 80 06 04 1500 | | | .3 | 1 | 37646 | | | | | | | 0.040 | | |
| 80 06 09 1200 | | | .3 | 1 | 28560 | 6 | 420 | 30I | 14.0 | 9.7 | 0.8 | 0.107 | 0.067 | 0.110 |
| 80 06 12 1500 | | | .3 | 1 | 37647 | | | | | | | 0.069 | 0.023 | |
| 80 06 18 1115 | | | .3 | 1 | 37648 | | | | | | | 0.403 | | |
| 80 06 23 1245 | | | .3 | 1 | 37649 | | | | | | | 0.077 | 0.028 | |
| 80 07 02 1100 | | | .3 | 1 | 37650 | | | | | | | 0.130 | 0.050 | |
| 80 07 06 1545 | | | .3 | 1 | 80024 | 6 | | | 22.0 | 7.2 | | 0.099 | 0.022 | 2.440 |
| 80 07 07 0305 | | | .3 | 1 | 80025 | 6 | | | 20.0 | 7.3 | | 0.330 | 0.170 | 1.700 |
| 80 07 09 1215 | | | .3 | 1 | 37651 | | | | | | | 0.102 | 0.035 | |
| 80 07 24 1330 | | | .3 | 1 | 37653 | | | | | | | 0.134 | 0.066 | |
| 80 07 28 1445 | | | .3 | 1 | 28601 | 6 | 510 | 70I | 24.0 | 7.2 | 3.2 | 0.320 | 0.019 | 2.500 |
| 80 07 30 0945 | | | .3 | 1 | 37654 | | | | | | | 0.057 | | |
| 80 08 06 1145 | | | .3 | 1 | 37655 | | | | | | | 0.224 | 0.180 | |
| 80 08 11 1145 | | | .3 | 1 | 37656 | | | | | | | 0.078 | | |
| 80 08 20 1145 | | | .3 | 1 | 37657 | | | | | | | 0.133 | 0.061 | |
| 80 08 25 1115 | | | .3 | 1 | 37658 | | | | | | | 0.137 | | |
| 80 08 26 1505 | | | .3 | 1 | 28638 | 6 | 140 | 10< | 25.5 | 5.4 | 2.2 | 0.080 | 0.030 | 8.10 |
| 80 09 02 1115 | | | .3 | 1 | 37659 | | | | | | | 0.095 | | |
| 80 09 08 1515 | | | .3 | 1 | 37660 | | | | | | | 0.077 | 0.024 | |
| 80 09 15 1115 | | | .3 | 1 | 37661 | | | | | | | 0.098 | | |
| 80 09 17 1200 | | | .3 | 1 | 37662 | | | | | | | 0.104 | 0.044 | |
| 80 09 22 1130 | | | .3 | 1 | 37663 | | | | | | | 0.090 | | |
| 80 09 23 1030 | | | .3 | 1 | 28683 | 3 | 750 | 10< | 20.0 | 8.6 | 2.7 | 0.392 | | 3.9 |
| 80 09 25 1330 | | | .3 | 1 | 37664 | | | | | | | 0.080 | 0.024 | |
| 80 09 29 1230 | | | .3 | 1 | 37665 | | | | | | | 0.075 | | |
| 80 10 02 1115 | | | .3 | 1 | 37666 | | | | | | | 0.088 | | |
| 80 10 06 1115 | | | .3 | 1 | 37667 | | | | | | | 0.102 | | |
| 80 10 07 1140 | | | .3 | 1 | 28725 | 5 | | | 13.5 | 7.7 | | | | |
| 80 10 08 1030 | | | .3 | 1 | 37668 | | | | | | | 0.135 | | |
| 80 10 14 1130 | | | .3 | 1 | 37669 | | | | | | | 0.070 | | |
| 80 10 20 1145 | | | .3 | 1 | 37671 | | | | | | | 0.088 | | |
| 80 10 23 1145 | | | .3 | 1 | 37672 | | | | | | | 0.068 | 0.034 | |
| 80 10 27 1130 | | | .3 | 1 | 37673 | | | | | | | | | |
| 80 10 29 1140 | | | .3 | 1 | 28768 | 6 | 10< | 50I | 5.5 | 11.7 | 0.4 | 0.100 | 0.035 | 2.88 |
| 80 10 30 1145 | | | .3 | 1 | 37674 | | | | | | | 0.078 | 0.034 | |
| 80 11 04 1415 | | | .3 | 1 | 37675 | | | | | | | 0.076 | | |
| 80 11 06 1215 | | | .3 | 1 | 37676 | | | | | | | 0.055 | 0.010 | |
| 80 11 11 1115 | | | .3 | 1 | 37677 | | | | | | | 0.045 | | |
| 80 11 13 1045 | | | .3 | 1 | 37678 | | | | | | | 0.057 | 0.028 | |
| 80 11 17 1145 | | | .3 | 1 | 28771 | 6 9 | | | 7.5 | 11.0 | | 0.085 | | 4.800 |
| 80 11 18 1130 | | | .3 | 1 | 37679 | | | | | | | 0.115 | | |
| 80 11 20 1115 | | | .3 | 1 | 37680 | | | | | | | 0.055 | 0.012 | |
| 80 11 24 1200 | | | .3 | 1 | 37681 | | | | | | | 0.046 | | |
| 80 11 26 1010 | | | .3 | 1 | 28774 | 5 | 124 | 252 | 8.0 | 10.7 | 0.4 | 0.060 | | |
| 80 11 27 1100 | | | .3 | 1 | 37682 | | | | | | | 0.060 | 0.025 | |
| 80 12 01 1115 | | | .3 | 1 | 37683 | | | | | | | 0.062 | | |
| 80 12 02 1225 | | | .3 | 1 | 28817 | 5 | 100I | 60I | 7.0 | 10.2 | | 0.068 | | 8.100 |
| 80 12 04 0900 | | | .3 | 1 | 37684 | | | | | | | 0.280 | 0.195 | |
| 80 12 08 1230 | | | .3 | 1 | 37685 | | | | | | | 0.250 | 0.135 | |
| 80 12 11 1130 | | | .3 | 1 | 37686 | | | | | | | 0.170 | 0.087 | |
| 80 12 15 1145 | | | .3 | 1 | 37687 | | | | | | | 0.050 | | |
| 80 12 17 1125 | | | .3 | 1 | 28820 | 6 | 90I | 280 | 1.2 | 11.5 | 1.2 | 0.080 | 0.038 | 2.100 |
| 80 12 18 1030 | | | .3 | 1 | 37688 | | | | | | | 0.088 | 0.039 | |
| 80 12 22 1145 | | | .3 | 1 | 37689 | | | | | | | 0.050 | 0.014 | |
| **MAXIMUM** | | | | | | | **7700** | **2900** | **25.5** | **14.0** | **3.2** | **0.680** | **0.195** | **12.800** |
| **ARITH MEAN** | | | | | | | **943L** | **438L** | **9.7** | **10.2** | **1.5** | **0.155** | **0.06** | **4.8** |
| **GEOM MEAN** | | | | | | | **227L** | **79L** | **6.6** | **9.9** | **1.2** | **0.122** | **0.04** | **3.4** |
| **MINIMUM** | | | | | | | **10<** | **10<** | **1.0** | **5.4** | **0.4** | **0.040** | **0.001** | **0.110** |
| **STD DEV** | | | | | | | **2092L** | **899L** | **7.7** | **2.0** | **1.0** | **0.121** | **0.05** | **3.3** |
| **NO OF SAMPLES** | | | | | | | **13** | **13** | **25** | **24** | **12** | **108** | **62** | **15** |

| TEST-NAME: | | | | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | ALKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | ALK TOTAL MG/L AS CACO3 |
| 80 01 03 1030 | | | .3 | 1 | | | | | | | 8.0 | | 350.0 | |
| 80 01 07 1100 | | | .3 | 1 | | | 5.590 | | | | 28.0 | | 475.0 | |
| 80 01 10 1100 | | | .3 | 1 | | | | | | | 6.0 | | 485.0 | |
| 80 01 14 1030 | | | .3 | 1 | | | 3.200 | | | | 42.0 | | 390.0 | |
| 1330 | | | .3 | 1 | 22.300 | 0.046 | 14.000 | 26.846 | 9.500 | 36.346 | 23.00 | 386.00 | 480.0 | 92 |
| 80 01 17 1045 | | | .3 | 1 | | | 1.690 | | | | 29.0 | | 360.0 | |
| 80 01 21 1230 | | | .3 | 1 | | | 1.500 | | | | 15.0 | | 345.0 | |
| 80 01 24 1115 | | | .3 | 1 | | | | | | | 10.0 | | 385.0 | |
| 80 01 28 1145 | | | .3 | 1 | | | 5.660 | | | | 9.0 | | 405.0 | |
| 80 01 31 1115 | | | .3 | 1 | | | | | | | 9.0 | | 400.0 | |
| 80 02 21 1100 | | | .3 | 1 | | | 1.450 | | | | 8.0 | | 385.0 | |
| 80 02 25 1115 | | | .3 | 1 | | | 1.470 | | | | 5.0 | | 405.0 | |
| 80 02 27 1305 | | | .3 | 1 | 6.500 | 0.029 | 3.300 | 7.179 | 2.650 | 9.829 | 10.00 | 282.00 | 410.0 | 107.0 |
| 80 03 04 1130 | | | .3 | 1 | | | 0.980 | | | | 8.0 | | 370.0 | |
| 80 03 06 1130 | | | .3 | 1 | | | 1.320 | | | | 137.0 | | 375.0 | |
| 80 03 10 1120 | | | .3 | 1 | | | | | | | 9.00 | | 385.0 | 102.0 |
| 80 03 11 1200 | | | .3 | 1 | | | 1.260 | | | | 70.0 | | 315.0 | |

(CONTD)

| TEST-NAME: | | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | ALKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 03 13 1040 | .3 | 1 | | | | | | | 27.00 | | 350.0 | 89.0 |
| 1100 | .3 | 1 | | | 1.270 | | | | 6.0 | | 315.0 | |
| 80 03 18 1100 | .3 | 1 | | | 0.280 | | | | 33.0 | | 330.0 | |
| 80 03 19 1205 | .3 | 1 | | | | | | | 51.00 | | 375.0 | 69.0 |
| 80 03 20 1100 | .3 | 1 | | | 1.350 | | | | 77.0 | | 285.0 | |
| 80 03 24 1025 | .3 | 1 | 1.300 | 0.100 | 5.600 | 10.070 | 3.070 | 7.000 | 205.00 | 192.000 | 295.0 | 64.0 |
| 80 03 27 1215 | .3 | 1 | | | 2.100 | | | | 39.0 | | 300.0 | |
| 80 03 30 1545 | .3 | 1 | | | 2.010 | | | | 35.0 | | 345.0 | |
| 80 04 01 1130 | .3 | 1 | | | | | | | 120.0 | | 365.0 | |
| 80 04 02 1220 | .3 | 1 | | | | | | | 83.00 | | 340.0 | 86.0 |
| 80 04 03 1700 | .3 | 1 | | | 2.050 | | | | 99.0 | | 320.0 | |
| 80 04 06 1530 | .3 | 1 | | | | | | | 51.0 | | 368.0 | |
| 80 04 08 1700 | .3 | 1 | | | 1.560 | | | | 9.0 | | 335.0 | |
| 80 04 10 1105 | .3 | 1 | | | | | | | 41.00 | | 325.0 | 98.0 |
| 1115 | .3 | 1 | | | | | | | 34.0 | | 366.0 | |
| 80 04 13 1100 | .3 | 1 | | | 1.710 | | | | 69.0 | | 380.0 | |
| 80 04 15 1045 | .3 | 1 | | | | | | | 192.0 | | 335.0 | |
| 1210 | .3 | 1 | | | | | | | 156.00 | | 340.0 | 93.0 |
| 80 04 17 1130 | .3 | 1 | | | 1.390 | | | | 313.0 | | 275.0 | |
| 80 04 20 1445 | .3 | 1 | | | | | | | 72.0 | | 325.0 | |
| 80 04 22 1145 | .3 | 1 | | | 4.18 | | | | 11.0 | | 350 | |
| 80 04 24 1115 | .3 | 1 | | | | | | | 11.0 | | 395.0 | |
| 1425 | .3 | 1 | 8.800 | 0.051 | 6.700 | 13.951 | 1.600 | 15.551 | 12.00 | 247.000 | 380.0 | 96.0 |
| 80 04 27 1700 | .3 | 1 | | | 0.982 | | | | 29.0 | | 340.0 | |
| 80 04 29 1445 | .3 | 1 | | | | | | | 18.0 | | 310.0 | |
| 80 05 01 1100 | .3 | 1 | | | 2.420 | | | | 36.0 | | 390.0 | |
| 80 05 04 1945 | .3 | 1 | | | | | | | 40.0 | | 375.0 | |
| 80 05 06 1310 | .3 | 1 | | | | | | | 12.00 | | 350 | 101 |
| 1430 | .3 | 1 | | | 2.63 | | | | 12.0 | | 350.0 | |
| 80 05 08 1215 | .3 | 1 | | | 2.08 | | | | 9.0 | | 350.0 | |
| 80 05 11 1530 | .3 | 1 | | | 0.843 | | | | 16.0 | | 330.0 | |
| 80 05 13 1415 | .3 | 1 | | | | | | | 12.0 | | 385.0 | |
| 80 05 15 1100 | .3 | 1 | | | 2.000 | | | | 15.0 | | 390.0 | |
| 80 05 20 1515 | .3 | 1 | | | 3.620 | | | | 15.0 | | 380.0 | |
| 80 05 21 1130 | .3 | 1 | 18.000 | 0.084 | 4.020 | 11.304 | 10.800 | 22.104 | 17.00 | 283.000 | 435 | 114.0 |
| 80 05 22 1030 | .3 | 1 | | | | | | | 11.0 | | 400.0 | |
| 80 05 25 1600 | .3 | 1 | | | 1.470 | | | | 16.0 | | 360.0 | |
| 80 05 27 1245 | .3 | 1 | | | | | | | 10.0 | | 435.0 | |
| 80 05 29 1100 | .3 | 1 | | | 2.650 | | | | 15.0 | | 370.0 | |
| 80 06 04 1500 | .3 | 1 | | | | | | | 26.0 | | 310.0 | |
| 80 06 09 1200 | .3 | 1 | 8.670 | 0.054 | 3.950 | 4.114 | 8.560 | 12.674 | 10.00 | 244.000 | 375.0 | 103.0 |
| 80 06 12 1500 | .3 | 1 | | | 1.230 | | | | 16.0 | | 355.0 | |
| 80 06 18 1115 | .3 | 1 | | | | | | | 20.0 | | 440.0 | |
| 80 06 23 1245 | .3 | 1 | | | 1.040 | | | | 20.0 | | 340.0 | |
| 80 07 02 1100 | .3 | 1 | | | 2.150 | | | | 24.0 | | 370.0 | |
| 80 07 06 1545 | .3 | 1 | 4.670 | 0.061 | 1.100 | 3.601 | 2.230 | 5.831 | | | 340.0 | |
| 80 07 07 0305 | .3 | 1 | 3.380 | 0.063 | 0.867 | 2.630 | 1.680 | 4.310 | | | 360.0 | |
| 80 07 09 1215 | .3 | 1 | | | 1.030 | | | | 24.0 | | 350.0 | |
| 80 07 24 1330 | .3 | 1 | | | 2.460 | | | | 15.0 | | 340.0 | |
| 80 07 28 1445 | .3 | 1 | 2.650 | 0.072 | 1.530 | 4.102 | 0.150 | 4.252 | 17.00 | 205.000 | 315.0 | 97.0 |
| 80 07 30 0945 | .3 | 1 | | | | | | | 17.0 | | 475.0 | |
| 80 08 06 1145 | .3 | 1 | | | 6.850 | | | | 19.0 | | 435.0 | |
| 80 08 11 1145 | .3 | 1 | | | | | | | 19.0 | | 345.0 | |
| 80 08 20 1145 | .3 | 1 | | | 0.124 | | | | 11.0 | | 350.0 | |
| 80 08 25 1115 | .3 | 1 | | | | | | | 17.0 | | 355.0 | |
| 80 08 26 1505 | .3 | 1 | | 0.320 | 2.58 | 11.000 | | | 16 | 244 | 375 | 109 |
| 80 09 02 1115 | .3 | 1 | | | | | | | 10.0 | | 365.0 | |
| 80 09 08 1515 | .3 | 1 | | | 1.860 | | | | 31.0 | | 345.0 | |
| 80 09 15 1115 | .3 | 1 | | | | | | | 23.0 | | 360.0 | |
| 80 09 17 1200 | .3 | 1 | | | | | | | 22.0 | | 420.0 | |
| 80 09 22 1130 | .3 | 1 | | | | | | | 25.0 | | 360.0 | |
| 80 09 23 1030 | .3 | 1 | 13.0 | 0.770 | 0.800 | 5.470 | 9.100 | 14.570 | 17 | 246 | 450 | 101 |
| 80 09 25 1330 | .3 | 1 | | | 6.000 | | | | 19.0 | | 550.0 | |
| 80 09 29 1230 | .3 | 1 | | | | | | | 23.0 | | 340.0 | |
| 80 10 02 1115 | .3 | 1 | | | 0.333 | | | | 25.0 | | 335.0 | |
| 80 10 06 1115 | .3 | 1 | | | | | | | 17.0 | | 345.0 | |
| 80 10 07 1140 | .3 | 1 | | | | | | | 12.00 | | 435.0 | |
| 80 10 08 1030 | .3 | 1 | | | | | | | 12.0 | | 410.0 | |
| 80 10 14 1130 | .3 | 1 | | | | | | | 11.0 | | 340.0 | |
| 80 10 20 1145 | .3 | 1 | | | | | | | 12.0 | | 360.0 | |
| 80 10 23 1145 | .3 | 1 | | | 0.800 | | | | 12.0 | | 355.0 | |
| 80 10 29 1140 | .3 | 1 | 5.80 | 0.520 | 1.5 | 4.900 | 2.920 | 7.820 | 14 | 262 | 480 | 116 |
| 80 10 30 1145 | .3 | 1 | | | 3.110 | | | | 12.0 | | 430.0 | |
| 80 11 04 1415 | .3 | 1 | | | | | | | 13.0 | | 365.0 | |
| 80 11 06 1215 | .3 | 1 | | | 0.801 | | | | 7.0 | | 400.0 | |
| 80 11 11 1115 | .3 | 1 | | | | | | | 13.0 | | 385.0 | |
| 80 11 13 1045 | .3 | 1 | | | 2.110 | | | | 7.0 | | 365.0 | |
| 80 11 17 1145 | .3 | 1 | | | | | | | 8.00 | | 375.0 | 103.0 |
| 80 11 18 1130 | .3 | 1 | | | | | | | 9.0 | | 370.0 | |
| 80 11 20 1115 | .3 | 1 | | | 0.756 | | | | 7.0 | | 340.0 | |
| 80 11 24 1200 | .3 | 1 | | | | | | | 6.0 | | 355.0 | |
| 80 11 26 1010 | .3 | 1 | 4.200 | | | | | | 8.00 | 231.000 | | 105.0 |
| 80 11 27 1100 | .3 | 1 | | | 1.050 | | | | 10.0 | | 370.0 | |
| 80 12 01 1115 | .3 | 1 | | | | | | | 13.0 | | 400.0 | |
| 80 12 02 1225 | .3 | 1 | | | | | | | 10.00 | | 425.0 | 124.0 |
| 80 12 04 0900 | .3 | 1 | | | 2.110 | | | | 26.0 | | 500.0 | |
| 80 12 08 1230 | .3 | 1 | | | 3.250 | | | | 31.0 | | 425.0 | |
| 80 12 11 1130 | .3 | 1 | | | 3.890 | | | | 37.0 | | 425.0 | |
| 80 12 15 1145 | .3 | 1 | | | | | | | 9.0 | | 350.0 | |
| 80 12 17 1125 | .3 | 1 | 3.480 | 0.074 | 2.880 | 5.054 | 1.380 | 6.434 | 14.00 | 250.000 | | 90.0 |
| 80 12 18 1030 | .3 | 1 | | | 2.960 | | | | 11.0 | | 375.0 | |
| 80 12 22 1145 | .3 | 1 | | | 1.270 | | | | 9.0 | | 365.0 | |
| MAXIMUM | | | 22.300 | 0.770 | 14.000 | 26.846 | 10.800 | 36.346 | 313.0 | 386.00 | 550.0 | 124.0 |
| ARITH MEAN | | | 7.9 | 0.173 | 2.4 | 8.479 | 4.470 | 12.227 | 30 | 256 | 373 | 98 |
| GEOM MEAN | | | 5.9 | 0.098 | 1.8 | 6.848 | 2.803 | 9.869 | 19 | 252 | 370 | 97 |
| MINIMUM | | | 1.300 | 0.029 | 0.124 | 2.630 | 0.160 | 4.252 | 5.0 | 192.000 | 275.0 | 64.0 |
| STD DEV | | | 6.3 | 0.228 | 2.1 | 6.555 | 3.819 | 9.290 | 44 | 48 | 47 | 14 |
| NO OF SAMPLES | | | 13 | 13 | 63 | 13 | 12 | 12 | 107 | 12 | 107 | 21 |

| TEST-NAME: | | | | | PH | FWPH | PHNOL | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 01 03 1030 | | | .3 | 1 | | | | | 0.020< | | | 0.030 | 0.005 < | |
| 80 01 07 1100 | | | .3 | 1 | | | | | 0.020 | | 0.010< | 0.030 < | 0.010 | |
| 80 01 10 1100 | | | .3 | 1 | | | | | 0.020< | | | 0.030 < | 0.005 < | |
| 80 01 14 1030 | | | .3 | 1 | | | | | 0.020< | | 0.010 | 0.030 < | 0.010 | |
| 1330 | | | .3 | 1 | 7.88 | | | 0.012 | 0.020 | 0.030 | 0.010 | 0.030 < | 0.010 | 0.030 |
| 80 01 17 1045 | | | .3 | 1 | | | | | 0.020< | | 0.010 | 0.030 < | 0.005 < | |
| 80 01 21 1230 | | | .3 | 1 | | | | | 0.020< | | 0.010 | 0.030 < | 0.005 < | |
| 80 01 24 1115 | | | .3 | 1 | | | | | 0.020< | | | 0.030 < | 0.005 < | |
| 80 01 28 1145 | | | .3 | 1 | | | | | 0.020< | | 0.010< | 0.030 < | 0.005 < | |
| 80 01 31 1115 | | | .3 | 1 | | | | | 0.030< | | | 0.030 < | 0.005 < | |

(CONTD)

ROW / SUF **WELLAND RIVER**
SAMPLE POINT **AT MONTROSE BRIDGE**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ONTARIO**
TERM STREAM **WELLAND RIVER**

STATION ID **11-0001-003-83**
STORET CODE **02**
**004**
**5400**

LAT LONG U T M **17 0652850.0 4767500.0 4** REGION **02** DISTANCE **14.162**

| | | | | TEST-NAME: | | PH | FWPH | PHNOL | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE YR MO DY | HOUR LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 02 06 | 1105 | | | 3 | 1 | | | | | 0.040 | 0.030 | | 0.030 < | | 0.020 |
| 80 02 21 | 1100 | | | 3 | 1 | | | | | 0.020< | | 0.010< | 0.030 < | 0.005 < | |
| 80 02 25 | 1115 | | | 3 | 1 | | | | | 0.020< | | 0.020 | 0.030 < | 0.005 < | |
| 80 02 27 | 1305 | | | 3 | 1 | 7.98 | | | 0.002 | 0.020< | 0.020< | 0.010< | 0.030 < | 0.005 < | 0.020 |
| 80 03 04 | 1130 | | | 3 | 1 | | | | | 0.020< | | 0.010< | 0.030 < | 0.020 | |
| 80 03 06 | 1130 | | | 3 | 1 | | | | | 0.020 | | 0.010< | 0.030 < | 0.005 < | |
| 80 03 10 | 1120 | | | 3 | 1 | | | | | 0.020< | 0.020< | | 0.030 < | | 0.020 |
| 80 03 13 | 1040 | | | 3 | 1 | | | | | 0.020< | 0.030 | | 0.030 < | | 0.080 |
| 80 03 19 | 1205 | | | 3 | 1 | | | | | 0.020 | 0.030 | | 0.030 < | | 0.020 |
| 80 03 20 | 1100 | | | 3 | 1 | | | | | 0.020< | | 0.010< | 0.030 < | 0.005 < | |
| 80 03 24 | 1025 | | | 3 | 1 | 7.57 | | | 0.001< | 0.040 | 0.040 | 0.010< | 0.030 < | 0.005 < | 0.060 |
| 80 03 30 | 1545 | | | 3 | 1 | | | | | 0.020< | | 0.010< | 0.030 < | 0.005 < | |
| 80 04 01 | 1130 | | | 3 | 1 | | | | | 0.020 | | | 0.030 < | 0.005 < | |
| 80 04 02 | 1220 | | | 3 | 1 | | | | | 0.020< | 0.030 | | 0.030 < | | 0.030 |
| 80 04 03 | 1700 | | | 3 | 1 | | | | | 0.020< | | 0.010< | 0.030 < | 0.005 < | |
| 80 04 06 | 1530 | | | 3 | 1 | | | | | 0.020< | | | 0.030 < | 0.005 < | |
| 80 04 08 | 1700 | | | 3 | 1 | | | | | 0.020< | | 0.020 | 0.030 < | 0.005 < | |
| 80 04 10 | 1105 | | | 3 | 1 | | | | | 0.020< | 0.030 | | 0.030 < | | 0.020 |
| | 1115 | | | 3 | 1 | | | | | 0.02 < | | | 0.03 < | 0.005 < | |
| 80 04 13 | 1100 | | | 3 | 1 | | | | | 0.02 < | | 0.01 < | 0.03 < | 0.005 < | |
| 80 04 15 | 1045 | | | 3 | 1 | | | | | 0.021 | | | 0.03 < | 0.005 < | |
| | 1210 | | | 3 | 1 | | | | | 0.020< | 0.050 | | 0.030 < | | 0.040 |
| 80 04 17 | 1130 | | | 3 | 1 | | | | | 0.04 | | 0.02 | 0.03 < | 0.005 < | |
| 80 04 20 | 1445 | | | 3 | 1 | | | | | 0.020< | | | 0.030 < | 0.005 < | |
| 80 04 22 | 1145 | | | 3 | 1 | | | | | 0.020 | | 0.010 | 0.030 < | 0.005 < | |
| 80 04 24 | 1115 | | | 3 | 1 | | | | | 0.020< | | | 0.030 < | 0.005 < | |
| | 1425 | | | 3 | 1 | 8.08 | | | 0.001< | 0.020< | 0.020< | 0.010< | 0.030 < | 0.005 < | 0.010< |
| 80 04 27 | 1700 | | | 3 | 1 | | | | | 0.03 < | | 0.01 < | 0.03 < | 0.005 < | |
| 80 04 29 | 1445 | | | 3 | 1 | | | | | 0.02 < | | | 0.03 < | 0.005 < | |
| 80 05 01 | 1100 | | | 3 | 1 | | | | | 0.030< | | 0.010< | 0.030 < | 0.005 < | |
| 80 05 04 | 1945 | | | 3 | 1 | | | | | 0.030< | | | 0.030 < | 0.005 < | |
| 80 05 06 | 1310 | | | 3 | 1 | | | | | 0.030< | 0.020< | | 0.050 | | 0.010< |
| | 1430 | | | 3 | 1 | | | | | 0.020< | | 0.01 < | 0.030 < | 0.005 < | |
| 80 05 08 | 1215 | | | 3 | 1 | | | | | 0.020< | | 0.01 < | 0.030 < | 0.005 < | |
| 80 05 11 | 1530 | | | 3 | 1 | | | | | 0.050 | | 0.010< | 0.030 < | 0.005 < | |
| 80 05 13 | 1415 | | | 3 | 1 | | | | | 0.030< | | | 0.030 < | 0.005 < | |
| 80 05 15 | 1100 | | | 3 | 1 | | | | | 0.030 | | 0.010< | 0.030 < | 0.005 < | |
| 80 05 20 | 1515 | | | 3 | 1 | | | | | 0.040 | | 0.010< | 0.030 < | 0.005 < | |
| 80 05 21 | 1130 | | | 3 | 1 | 8.22 | | | 0.001< | 0.080 | 0.030 | 0.040 | 0.030 < | 0.005 < | 0.020 |
| 80 05 22 | 1030 | | | 3 | 1 | | | | | 0.040< | | | 0.030 < | 0.005 < | |
| 80 05 25 | 1600 | | | 3 | 1 | | | | | 0.02 < | | 0.01 < | 0.03 < | 0.005 < | |
| 80 05 27 | 1245 | | | 3 | 1 | | | | | 0.020 | | | 0.030 < | 0.005 < | |
| 80 05 29 | 1100 | | | 3 | 1 | | | | | 0.040< | | 0.010< | 0.030 < | 0.005 < | |
| 80 06 04 | 1500 | | | 3 | 1 | | | | | 0.050< | | | 0.030 < | 0.005 < | |
| 80 06 09 | 1200 | | | 3 | 1 | 8.32 | | | 0.001< | 0.050< | 0.020< | 0.010< | 0.030 < | 0.005 < | 0.020 |
| 80 06 12 | 1500 | | | 3 | 1 | | | | | 0.030< | | 0.010< | 0.030 < | 0.005 < | |
| 80 06 18 | 1115 | | | 3 | 1 | | | | | 0.020< | | 0.010< | 0.030 < | 0.005 < | |
| 80 06 23 | 1245 | | | 3 | 1 | | | | | 0.030< | | 0.020 | 0.030 < | 0.005 < | |
| 80 07 02 | 1100 | | | 3 | 1 | | | | | 0.030< | | 0.020 | 0.030 < | 0.005 < | |
| 80 07 06 | 1545 | | | 3 | 1 | 8.40 | | | | | | | | | |
| 80 07 07 | 0305 | | | 3 | 1 | 7.81 | | | | | | | | | |
| 80 07 09 | 1215 | | | 3 | 1 | | | | | 0.030< | | 0.010< | 0.030 < | 0.005 < | |
| 80 07 24 | 1330 | | | 3 | 1 | | | | | | | 0.010 | 0.030 < | 0.005 < | |
| 80 07 28 | 1445 | | | 3 | 1 | 8.34 | 8.2 | | 0.001< | | 0.020< | 0.010< | 0.030 < | 0.005 < | 0.010 |
| 80 07 30 | 0945 | | | 3 | 1 | | | | | | | | 0.030 < | 0.005 < | |
| 80 08 06 | 1145 | | | 3 | 1 | | | | | 0.040 | | 0.003 | 0.006 < | 0.0005< | |
| 80 08 11 | 1145 | | | 3 | 1 | | | | | 0.040< | | 0.005 | 0.002 | 0.0001< | |
| 80 08 20 | 1145 | | | 3 | 1 | | | | | 0.060 | | 0.008 | 0.008 | 0.0002 | |
| 80 08 25 | 1115 | | | 3 | 1 | | | | | 0.020< | | | 0.0007 | 0.0002< | |
| 80 08 26 | 1505 | | | 3 | 1 | 8.58 | 8.3 | | 0.001< | 0.02 < | 0.012 | 0.002 | 0.005 < | 0.0002< | 0.007 |
| 80 09 02 | 1115 | | | 3 | 1 | | | | | 0.040< | | | 0.003 < | 0.0002< | |
| 80 09 08 | 1515 | | | 3 | 1 | | | | | 0.040< | | 0.007 | 0.003 < | 0.0002< | |
| 80 09 15 | 1115 | | | 3 | 1 | | | | | 0.030< | | | 0.003 < | 0.0002< | |
| 80 09 17 | 1200 | | | 3 | 1 | | | | | 0.030< | | 0.004 | 0.003 < | 0.0002< | |
| 80 09 22 | 1130 | | | 3 | 1 | | | | | 0.030< | | | 0.003 < | 0.0002< | |
| 80 09 23 | 1030 | | | 3 | 1 | 7.65 | | | 0.001< | 0.03 < | 0.010 | 0.005 | 0.003 < | 0.0006 | 0.008 |
| 80 09 25 | 1330 | | | 3 | 1 | | | | | 0.030< | | 0.006 | 0.003 < | 0.0002< | |
| 80 09 29 | 1230 | | | 3 | 1 | | | | | 0.020< | | | 0.003 < | 0.0002< | |
| 80 10 02 | 1115 | | | 3 | 1 | | | | | 0.030< | | 0.004 | 0.003 < | 0.0005 | |
| 80 10 06 | 1115 | | | 3 | 1 | | | | | 0.020< | | | 0.003 < | 0.0002< | |
| 80 10 07 | 1140 | | | 3 | 1 | | 8.05 | | | 0.02 < | 0.010 | | 0.003 < | | 0.006 |
| 80 10 08 | 1030 | | | 3 | 1 | | | | | 0.040< | | | 0.003 < | 0.0002< | |
| 80 10 14 | 1130 | | | 3 | 1 | | | | | 0.040< | | | 0.003 < | 0.0006 | |
| 80 10 20 | 1145 | | | 3 | 1 | | | | | 0.040< | | | | 0.0002< | |
| 80 10 23 | 1145 | | | 3 | 1 | | | | | 0.030 | | 0.003 | 0.003 < | 0.0004 | |
| 80 10 27 | 1130 | | | 3 | 1 | | | | | 0.030< | | 0.001< | 0.003 < | 0.0002< | |
| 80 10 29 | 1140 | | | 3 | 1 | 8.01 | | 1< | 0.001< | 0.05 | 0.02 | 0.004 | 0.003 < | 0.0002< | 0.018 |
| 80 10 30 | 1145 | | | 3 | 1 | | | | | 0.040< | | 0.003 | 0.005 | 0.0002< | |
| 80 11 04 | 1415 | | | 3 | 1 | | | | | 0.040< | | | 0.003 < | 0.0002< | |
| 80 11 06 | 1215 | | | 3 | 1 | | | | | 0.030< | | 0.002 | 0.003 < | 0.0002< | |
| 80 11 11 | 1115 | | | 3 | 1 | | | | | 0.030< | | | 0.003 < | 0.0002< | |
| 80 11 13 | 1045 | | | 3 | 1 | | | | | 0.030< | | 0.003 | 0.003 < | 0.0002< | |
| 80 11 17 | 1145 | | | 3 | 1 | 8.37 | 8.3 | | | 0.020< | 0.004 | | 0.003 < | | 0.004 |
| 80 11 18 | 1130 | | | 3 | 1 | | | | | 0.050 | | | 0.004 | 0.0002< | |
| 80 11 20 | 1115 | | | 3 | 1 | | | | | 0.040< | | 0.003 | 0.004 | 0.0002< | |
| 80 11 24 | 1200 | | | 3 | 1 | | | | | 0.040< | | | 0.003 < | 0.0002< | |
| 80 11 26 | 1010 | | | 3 | 1 | 8.21 | 8.4 | | 0.005< | 0.040< | 0.002< | 0.001< | 0.003 < | 0.0002< | 0.005 |
| 80 11 27 | 1100 | | | 3 | 1 | | | | | 0.060< | | 0.004 | 0.004 | 0.0002< | |
| 80 12 01 | 1115 | | | 3 | 1 | | | | | 0.040< | | | 0.003 < | 0.0002< | |
| 80 12 02 | 1225 | | | 3 | 1 | 8.90 | 9.1 | | | 0.040< | 0.010 | | 0.003 < | | 0.014 |
| 80 12 04 | 0900 | | | 3 | 1 | | | | | 0.040< | | 0.004 | 0.003 < | 0.0002< | |
| 80 12 08 | 1230 | | | 3 | 1 | | | | | 0.050 | | 0.012 | 0.003 < | 0.0002< | |
| 80 12 11 | 1130 | | | 3 | 1 | | | | | 0.080 | | 0.005 | 0.003 < | 0.0002< | |
| 80 12 15 | 1145 | | | 3 | 1 | | | | | 0.040< | | | 0.003 < | 0.0002< | |
| 80 12 17 | 1125 | | | 3 | 1 | 7.88 | 8.1 | | 0.001< | 0.060 | 0.008 | 0.005 | 0.006 | 0.0005 | 0.009 |
| 80 12 18 | 1030 | | | 3 | 1 | | | | | 0.040< | | 0.004 | 0.005 | 0.0003 | |
| 80 12 22 | 1145 | | | 3 | 1 | | | | | 0.040< | | 0.003 | 0.003 | 0.0002< | |
| **MAXIMUM** | | | | | | **8.90** | **9.1** | **1** | **0.012** | **0.080** | **0.050** | **0.040** | **0.050** | **0.020** | **0.080** |
| **ARITH MEAN** | | | | | | **8.14** | **8.3** | **1L** | **0.002L** | **0.03 L** | **0.02 L** | **0.00 L** | **0.01 L** | **0.003 L** | **0.021L** |
| **GEOM MEAN** | | | | | | **8.13** | **8.3** | | **0.001L** | **0.02 L** | **0.01 L** | **0.00 L** | **0.01 L** | **0.001 L** | **0.016L** |
| **MINIMUM** | | | | | | **7.57** | **8.05** | **1<** | **0.001<** | **0.020<** | **0.002<** | **0.001<** | **0.0007<** | **0.0001<** | **0.004<** |
| **STD DEV** | | | | | | **0.35** | **0.3** | | **0.003L** | **0.01 L** | **0.01 L** | **0.00 L** | **0.01 L** | **0.003 L** | **0.018L** |
| **NO OF SAMPLES** | | | | | | **18** | **7** | **1** | **12** | **102** | **23** | **62** | **104** | **94** | **23** |

(CONTD)

| | | | | | | TEST-NAME: | | P1PCBT | X3PCPH | P3245T |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE YR | MO | DY | HOUR LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PCB TOTAL UG/L | PENTACHL PHENOL UG/L | 2,4,5-T UG/L |
| 80 | 01 | 03 | 1030 | | | .3 | 1 | 0.020R | | |
| 80 | 01 | 07 | 1100 | | | .3 | 1 | 0.020 | 0.050R | 0.050R |
| 80 | 01 | 14 | 1030 | | | .3 | 1 | 0.050 | 0.190 | 0.050R |
| | | | 1330 | | | .3 | 1 | 0.020 | | |
| 80 | 01 | 17 | 1045 | | | .3 | 1 | 0.020 | 0.020R | 0.050R |
| 80 | 01 | 21 | 1230 | | | .3 | 1 | 0.060 | 0.250 | 0.050R |
| 80 | 01 | 24 | 1115 | | | .3 | 1 | 0.020R | | |
| 80 | 01 | 28 | 1145 | | | .3 | 1 | 0.020R | 0.110 | 0.050R |
| 80 | 01 | 31 | 1115 | | | .3 | 1 | 0.020R | | |
| 80 | 02 | 21 | 1100 | | | .3 | 1 | 0.020R | 0.080 | 0.050R |
| 80 | 02 | 25 | 1115 | | | .3 | 1 | 0.090 | 0.060 | 0.050R |
| 80 | 02 | 27 | 1305 | | | .3 | 1 | 0.020R | | |
| 80 | 03 | 04 | 1130 | | | .3 | 1 | 0.020R | 0.050R | 0.050R |
| 80 | 03 | 06 | 1130 | | | .3 | 1 | 0.020R | 0.050R | 0.050R |
| 80 | 03 | 10 | 1120 | | | .3 | 1 | 0.020R | | |
| 80 | 03 | 11 | 1200 | | | .3 | 1 | 0.020R | | |
| 80 | 03 | 13 | 1040 | | | .3 | 1 | 0.020R | | |
| 80 | 03 | 18 | 1100 | | | .3 | 1 | 0.020R | | |
| 80 | 03 | 19 | 1205 | | | .3 | 1 | 0.020R | | |
| 80 | 03 | 20 | 1100 | | | .3 | 1 | 0.020R | | |
| 80 | 03 | 24 | 1025 | | | .3 | 1 | 0.020R | | |
| 80 | 03 | 27 | 1215 | | | .3 | 1 | 0.020R | | |
| 80 | 03 | 30 | 1545 | | | .3 | 1 | 0.020 | | |
| 80 | 04 | 01 | 1130 | | | .3 | 1 | 0.020R | | |
| 80 | 04 | 02 | 1220 | | | .3 | 1 | 0.020R | | |
| 80 | 04 | 06 | 1530 | | | .3 | 1 | 0.020R | | |
| 80 | 04 | 10 | 1105 | | | .3 | 1 | 0.020R | | |
| | | | 1115 | | | .3 | 1 | 0.020 | | |
| 80 | 04 | 15 | 1045 | | | .3 | 1 | 0.020R | | |
| | | | 1210 | | | .3 | 1 | 0.020R | | |
| 80 | 04 | 17 | 1130 | | | .3 | 1 | 0.020R | | |
| 80 | 04 | 20 | 1445 | | | .3 | 1 | 0.020R | | |
| 80 | 04 | 22 | 1145 | | | .3 | 1 | 0.020R | | |
| 80 | 04 | 24 | 1115 | | | .3 | 1 | 0.020R | | |
| | | | 1425 | | | .3 | 1 | 0.020R | | |
| 80 | 04 | 27 | 1700 | | | .3 | 1 | 0.020R | | |
| 80 | 04 | 29 | 1445 | | | .3 | 1 | 0.020R | | |
| 80 | 05 | 01 | 1100 | | | .3 | 1 | 0.020R | 0.050R | 0.050R |
| 80 | 05 | 04 | 1945 | | | .3 | 1 | 0.020R | | |
| 80 | 05 | 06 | 1310 | | | .3 | 1 | 0.020R | | |
| 80 | 05 | 08 | 1215 | | | .3 | 1 | 0.020R | | |
| 80 | 05 | 11 | 1530 | | | .3 | 1 | 0.020R | | |
| 80 | 05 | 13 | 1415 | | | .3 | 1 | 0.040R | | |
| 80 | 05 | 15 | 1100 | | | .3 | 1 | 0.020R | | |
| 80 | 05 | 20 | 1515 | | | .3 | 1 | 0.020R | | |
| 80 | 05 | 21 | 1130 | | | .3 | 1 | 0.020R | | |
| 80 | 05 | 22 | 1030 | | | .3 | 1 | 0.020R | | |
| 80 | 05 | 27 | 1245 | | | .3 | 1 | 0.020R | | |
| 80 | 05 | 29 | 1100 | | | .3 | 1 | 0.020R | | |
| 80 | 06 | 04 | 1500 | | | .3 | 1 | 0.020R | | |
| 80 | 06 | 09 | 1200 | | | .3 | 1 | 0.020R | | |
| 80 | 06 | 12 | 1500 | | | .3 | 1 | 0.020R | | |
| 80 | 06 | 18 | 1115 | | | .3 | 1 | 0.020R | | |
| 80 | 06 | 23 | 1245 | | | .3 | 1 | 0.020R | | |
| 80 | 07 | 02 | 1100 | | | .3 | 1 | 0.020R | | |
| 80 | 07 | 09 | 1215 | | | .3 | 1 | 0.020R | | |
| 80 | 07 | 24 | 1330 | | | .3 | 1 | 0.020R | 0.050R | 0.050R |
| 80 | 07 | 28 | 1445 | | | .3 | 1 | 0.020R | | |
| 80 | 07 | 30 | 0945 | | | .3 | 1 | 0.020R | | |
| 80 | 08 | 06 | 1145 | | | .3 | 1 | 0.020R | 0.050R | 0.050R |
| 80 | 08 | 11 | 1145 | | | .3 | 1 | 0.020R | | |
| 80 | 08 | 20 | 1145 | | | .3 | 1 | 0.020R | 0.050R | |
| 80 | 08 | 25 | 1115 | | | .3 | 1 | 0.020R | | |
| 80 | 08 | 26 | 1505 | | | .3 | 1 | 0.020R | | |
| 80 | 09 | 02 | 1115 | | | .3 | 1 | 0.020R | | |
| 80 | 09 | 08 | 1515 | | | .3 | 1 | 0.020R | 0.050R | 0.050R |
| 80 | 09 | 15 | 1115 | | | .3 | 1 | 0.020R | | |
| 80 | 09 | 17 | 1200 | | | .3 | 1 | 0.020R | 0.050R | 0.050R |
| 80 | 09 | 22 | 1130 | | | .3 | 1 | 0.020R | | |
| 80 | 09 | 23 | 1030 | | | .3 | 1 | 0.020R | | |
| 80 | 09 | 25 | 1330 | | | .3 | 1 | 0.020R | 0.050R | 0.050R |
| 80 | 09 | 29 | 1230 | | | .3 | 1 | 0.020R | | |
| 80 | 10 | 02 | 1115 | | | .3 | 1 | 0.020R | | |
| 80 | 10 | 06 | 1115 | | | .3 | 1 | 0.020R | | |
| 80 | 10 | 07 | 1140 | | | .3 | 1 | 0.020R | | |
| 80 | 10 | 08 | 1030 | | | .3 | 1 | 0.020R | 0.050R | 0.050R |
| 80 | 10 | 14 | 1130 | | | .3 | 1 | 0.020R | | |
| 80 | 10 | 20 | 1145 | | | .3 | 1 | 0.020R | | |
| 80 | 10 | 23 | 1145 | | | .3 | 1 | 0.020 | 0.200 | 0.050 |
| 80 | 10 | 29 | 1140 | | | .3 | 1 | 0.020R | | |
| 80 | 10 | 30 | 1145 | | | .3 | 1 | 0.020R | | |
| 80 | 11 | 04 | 1415 | | | .3 | 1 | 0.020R | | |
| 80 | 11 | 06 | 1215 | | | .3 | 1 | 0.020R | 0.050R | 0.050R |
| 80 | 11 | 11 | 1115 | | | .3 | 1 | 0.020R | | |
| 80 | 11 | 13 | 1045 | | | .3 | 1 | 0.020R | 0.060 | 0.050R |
| 80 | 11 | 17 | 1145 | | | .3 | 1 | 0.020R | | |
| 80 | 11 | 18 | 1130 | | | .3 | 1 | 0.020R | | |
| 80 | 11 | 20 | 1115 | | | .3 | 1 | 0.020R | 0.050R | 0.050R |
| 80 | 11 | 24 | 1200 | | | .3 | 1 | 0.020R | | |
| 80 | 11 | 26 | 1010 | | | .3 | 1 | 0.020R | | |
| 80 | 11 | 27 | 1100 | | | .3 | 1 | 0.020R | | |
| 80 | 12 | 01 | 1115 | | | .3 | 1 | 0.020R | | |
| 80 | 12 | 02 | 1225 | | | .3 | 1 | 0.020R | | |
| 80 | 12 | 04 | 0900 | | | .3 | 1 | 0.020R | | |
| 80 | 12 | 08 | 1230 | | | .3 | 1 | 0.020R | | |
| 80 | 12 | 11 | 1130 | | | .3 | 1 | 0.020R | | |
| 80 | 12 | 15 | 1145 | | | .3 | 1 | 0.020R | | |
| 80 | 12 | 17 | 1125 | | | .3 | 1 | 0.020R | | |
| 80 | 12 | 18 | 1030 | | | .3 | 1 | 0.020R | 0.050R | 0.050R |
| 80 | 12 | 22 | 1145 | | | 3 | 1 | 0.020R | | |
| | | | | | | MAXIMUM | | | 0.250 | 0.050 |
| | | | | | | ARITH MEAN | | | 0.076B | 0.050B |
| | | | | | | GEOM MEAN | | | 0.063B | 0.050B |
| | | | | | | MINIMUM | | | 0.020 | 0.050 |
| | | | | | | STD DEV | | | 0.069B | 0.000B |
| | | | | | | NO OF SAMPLES | | | 22 | 21 |

B.O.W./ SITE **WELLAND RIVER**
SAMPLE POINT **NEW SYPHON AT PORT ROBINSON**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ONTARIO**
TERM STREAM **WELLAND RIVER**

STATION ID **11-0001-005-02**
STORET CODE **02**
**004**
**5400**

LAT LONG U T M **17 0645650.0 4765450.0 4** REGION **02** DISTANCE **23.810**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 30 1205 | | | .3 | 1 | 28341 | 4 | 41000 | 120000 | 6200 | 1240 | 1.5 | 13.1 | 0.6 | 0.054 |
| 80 02 27 1250 | | | .3 | 1 | 28376 | 4 | 8200 | 10000 | 1900 | 320 | 1.2 | 13.0 | 0.4 | 0.062 |
| 80 03 19 1150 | | | .3 | 1 | 28401 | 3 | 5500C | 52000 | 1300 | 3000> | 3.0 | 11.0 | 3.8 | 0.328 |
| 80 04 15 1200 | | | .3 | 1 | 28457 | 3 9 | 44000 | 130000 | 11600 | 11700 | 6.2 | 10.9 | 2.0 | 0.275 |
| 80 05 06 1240 | | | .3 | 1 | 28505 | 3 | 47000 | 29000 | 5300 | 1400 | 12.0 | 11.0 | 1.0 | 0.033 |
| 80 06 09 1145 | | | .3 | 1 | 28583 | 6 | 2100 | 27000 | 4700 | 2600 | 15.0 | 9.1 | 1.0 | 0.086 |
| 80 07 06 1520 | | | .3 | 1 | 80026 | 6 | | | | | 21.5 | 7.9 | | 0.056 |
| 80 07 07 0250 | | | .3 | 1 | 80027 | 6 | | | | | 20.0 | 7.5 | | 0.062 |
| 80 07 15 1145 | | | .3 | 1 | 28598 | 6 | 24000 | 37000 | 1600 | 20C | 23.0 | 8.3 | 1.2 | 0.076 |
| 80 08 11 1225 | | | .3 | 1 | 28646 | 6 | 73000C | 380000 | 8900 | 200I | 25.0 | 8.0 | 0.6 | 0.065 |
| 80 09 08 1235 | | | .3 | 1 | 28696 | 6 | 620000 | 550000 | 4900 | 180I | 24.8 | 7.3 | 1.4 | 0.062 |
| 80 10 07 1130 | | | .3 | 1 | 28740 | 6 | 110000C | 4200000 | 13300 | 390 | 13.5 | 8.2 | 1.4 | 0.089 |
| 80 11 17 1135 | | | .3 | 1 | 28789 | 6 | 56000 | 27000 | 12300 | 1900 | 8.0 | 11.1 | 0.2< | 0.039 |
| 80 12 17 1110 | | | .3 | 1 | 28828 | 6 | 6000I | 6000 | 1000I | 500I | 1.5 | 12.5 | 1.4 | 0.022 |
| MAXIMUM | | | | | | | 620000 | 4200000 | 13300 | 11700> | 25.0 | 13.1 | 3.8 | 0.328 |
| ARITH MEAN | | | | | | | 86400 | 464000 | 6083 | 1954G | 12.6 | 9.9 | 1.2L | 0.093 |
| GEOM MEAN | | | | | | | 28776 | 75338 | 4386 | 699G | 8.2 | 9.7 | 1.0L | 0.070 |
| MINIMUM | | | | | | | 2100 | 6000 | 1000 | 20 | 1.2 | 7.3 | 0.2< | 0.022 |
| STD DEV | | | | | | | 171073 | 1188626 | 4486 | 3226G | 9.1 | 2.1 | 1.0L | 0.091 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 14 | 14 | 12 | 14 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 30 1205 | | | .3 | 1 | 0.016 | 0.178 | 0.470 | 0.009 | 0.476 | 0.663 | 0.292 | 0.955 | 225.00 | 10.00 |
| 80 02 27 1250 | | | .3 | 1 | 0.023 | 0.358 | 0.750 | 0.016 | 0.659 | 1.033 | 0.392 | 1.425 | 237.00 | 6.00 |
| 80 03 19 1150 | | | .3 | 1 | 0.100 | 0.740 | 2.530 | 0.045 | 1.300 | 2.085 | 1.790 | 3.875 | 252.00 | 50.00 |
| 80 04 15 1200 | | | .3 | 1 | 0.110 | 0.170 | 1.800 | 0.064 | -1.000 | 1.234 | 1.630 | 2.864 | 387.00 | 179.00 |
| 80 05 06 1240 | | | .3 | 1 | 0.017 | 0.242 | 0.740 | 0.005 | 0.265 | 0.512 | 0.498 | 1.010 | 300.00 | 8.00 |
| 80 06 09 1145 | | | .3 | 1 | 0.028 | 0.200 | 0.780 | 0.024 | 0.343 | 0.567 | 0.580 | 1.147 | 247.00 | 26.00 |
| 80 07 06 1520 | | | .3 | 1 | 0.001 | 0.152 | 0.590 | 0.013 | 0.283 | 0.448 | 0.438 | 0.886 | | |
| 80 07 07 0250 | | | .3 | 1 | 0.011 | 0.214 | 0.600 | 0.019 | 0.411 | 0.644 | 0.386 | 1.030 | | |
| 80 07 15 1145 | | | .3 | 1 | 0.020 | 0.222 | 0.630 | 0.017 | 0.303 | 0.542 | 0.408 | 0.950 | 221 | 16 |
| 80 08 11 1225 | | | .3 | 1 | 0.012 | 0.324 | 0.650 | 0.017 | 0.308 | 0.649 | 0.326 | 0.975 | 239.00 | 28.00 |
| 80 09 08 1235 | | | .3 | 1 | 0.004 | 0.246 | 0.780 | 0.015 | 0.110 | 0.371 | 0.534 | 0.905 | 253.00 | 19.0 |
| 80 10 07 1130 | | | .3 | 1 | 0.041 | 0.400 | 0.810 | 0.054 | 0.141 | 0.595 | 0.410 | 1.005 | 249.00 | 18.0 |
| 80 11 17 1135 | | | .3 | 1 | 0.015 | 0.232 | 0.560 | 0.015 | 0.415 | 0.662 | 0.328 | 0.990 | 223.00 | 8.00 |
| 80 12 17 1110 | | | .3 | 1 | 0.006 | 0.234 | 0.620 | 0.025 | 0.295 | 0.554 | 0.386 | 0.940 | 229.00 | 11.00 |
| MAXIMUM | | | | | 0.110 | 0.740 | 2.530 | 0.064 | 1.300 | 2.085 | 1.790 | 3.875 | 387.00 | 179.00 |
| ARITH MEAN | | | | | 0.029 | 0.279 | 0.879 | 0.024 | 0.451 | 0.764 | 0.600 | 1.354 | 256 | 31 |
| GEOM MEAN | | | | | 0.016 | 0.256 | 0.777 | 0.019 | 0.386 | 0.676 | 0.499 | 1.198 | 251 | 18 |
| MINIMUM | | | | | 0.001 | 0.152 | 0.470 | 0.005 | 0.110 | 0.371 | 0.292 | 0.886 | 221 | 6.00 |
| STD DEV | | | | | 0.034 | 0.150 | 0.672 | 0.018 | 0.331 | 0.444 | 0.478 | 0.887 | 46 | 48 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FWPH | PHNOL | FEUT | COLAP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | COLOUR APPARENT HZU |
| 80 01 30 1205 | | | .3 | 1 | 215.000 | 330.0 | 15.00 | 21.500 | 31.500 | 8.04 | | 1.000< | 1.000 | 28.000 |
| 80 02 27 1250 | | | .3 | 1 | 231.000 | 355.0 | 9.10 | 24.000 | 41.500 | 8.05 | | 1.000 | 0.650 | 18.000 |
| 80 03 19 1150 | | | .3 | 1 | 202.000 | 310.0 | 53.00 | 25.500 | 43.500 | 7.37 | | 1.000 | 4.500 | 70.000> |
| 80 04 15 1200 | | | .3 | 1 | 208.000 | 320.0 | 170.00 | 15.000 | 51.500 | 7.76 | | 1.000< | 15.000 | 70.000> |
| 80 05 06 1240 | | | .3 | 1 | 192.000 | 295.0 | 5.10 | 19.500 | 26.000 | 8.28 | | 1.000< | 0.310 | 13.000 |
| 80 06 09 1145 | | | .3 | 1 | 221.000 | 340.0 | 26.00 | 20.500 | 39.500 | 8.01 | | 2.200 | 1.800 | 36.000 |
| 80 07 06 1520 | | | .3 | 1 | | 315.0 | | | | 8.15 | | | | |
| 80 07 07 0250 | | | .3 | 1 | | 325.0 | | | | 8.00 | | | | |
| 80 07 15 1145 | | | .3 | 1 | 205 | 315.0 | 18.00 | 20.000 | 31.000 | 8.18 | 8.0 | 1 < | 0.880 | |
| 80 08 11 1225 | | | .3 | 1 | 211.000 | 325.0 | 17.00 | 20.500 | 32.000 | 8.11 | 8.1 | 1.000< | 1.800 | 21.000 |
| 80 09 08 1235 | | | .3 | 1 | 234.000 | 360.0 | 8.50 | 23.500 | 39.500 | 7.98 | 7.5 | 1.000< | 1.300 | 22.000 |
| 80 10 07 1130 | | | .3 | 1 | 231.000 | 355.0 | 11.00 | 24.000 | 40.000 | 7.89 | 7.6 | 1.000< | 0.960 | 9.000 |
| 80 11 17 1135 | | | .3 | 1 | 215.000 | 330.0 | 7.40 | 21.500 | 34.000 | 8.02 | 7.8 | 1.000< | 0.560 | 20.000 |
| 80 12 17 1110 | | | .3 | 1 | 218.000 | 335.0 | 7.40 | 22.000 | 31.500 | 7.82 | 8.2 | 1.000< | 0.640 | 5.000 |
| MAXIMUM | | | | | 234.000 | 360.0 | 170.00 | 25.500 | 51.500 | 8.28 | 8.2 | 2.200 | 15.000 | 70.000> |
| ARITH MEAN | | | | | 218 | 329.3 | 28.96 | 21.458 | 36.792 | 7.98 | 7.9 | 1 L | 2.450 | 28.364G |
| GEOM MEAN | | | | | 214 | 328.8 | 16.87 | 21.281 | 36.191 | 7.97 | 7.9 | 1 L | 1.288 | 21.612G |
| MINIMUM | | | | | 192.000 | 295.0 | 5.10 | 15.000 | 26.000 | 7.37 | 7.5 | 1.000< | 0.310 | 5.000 |
| STD DEV | | | | | 12 | 18.8 | 46.29 | 2.751 | 7.040 | 0.22 | 0.3 | 0 L | 4.105 | 22.259G |
| NO OF SAMPLES | | | | | 12 | 14 | 12 | 12 | 12 | 14 | 6 | 12 | 12 | 11 |

| TEST-NAME: | | | | | COD | MNUT |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHEM. OX DEMAND MG/L AS O | MANGANSE UNF.TOT. MG/L AS MN |
| 80 01 30 1205 | | | .3 | 1 | 24 | 0.037 |
| 80 02 27 1250 | | | .3 | 1 | 10 | 0.032 |
| 80 03 19 1150 | | | .3 | 1 | 36 | 0.165 |
| 80 04 15 1200 | | | .3 | 1 | 58 | 0.190 |
| 80 05 06 1240 | | | .3 | 1 | 26 | 0.011 |
| 80 06 09 1145 | | | .3 | 1 | 14 | 0.054 |
| 80 07 15 1145 | | | .3 | 1 | 12 | |
| 80 08 11 1225 | | | .3 | 1 | 16 | 0.033 |
| 80 09 08 1235 | | | .3 | 1 | 40 | 0.035 |
| 80 10 07 1130 | | | .3 | 1 | 14 | 0.034 |
| 80 11 17 1135 | | | .3 | 1 | 21 | 0.016 |
| 80 12 17 1110 | | | .3 | 1 | 28 | 0.019 |
| MAXIMUM | | | | | 58 | 0.190 |
| ARITH MEAN | | | | | 25 | 0.057 |
| GEOM MEAN | | | | | 22 | 0.038 |
| MINIMUM | | | | | 10 | 0.011 |
| STD DEV | | | | | 14 | 0.061 |
| NO OF SAMPLES | | | | | 12 | 11 |

|  |  |  |
|---|---|---|
| B.O.W./ SITE: **WELLAND RIVER**<br>SAMPLE POINT: **AT BRIDGE SOUTH OF WELLAND AIRPORT**<br>STATION TYPE: **RIVER** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE ONTARIO**<br>TERM STREAM: **WELLAND RIVER** | STATION ID: **11-0001-007-02**<br>STORET CODE: **02**<br>**004**<br>**5400** |
| LAT: LONG: | U T M: **17 0637150.0 4758850.0 4** | REGION: **02** DISTANCE: **36.853** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBX | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 30 1110 | | | .3 | 1 | 28339 | 4 | 500I | 4000 | 40I | 460 | 1.1 | 8.3 | 2.0 | 0.258 |
| 80 02 27 1200 | | | .3 | 1 | 28374 | 4 | 12200C | 100000 | 280 | 1600 | 1.0 | 8.6 | 3.0 | 0.228 |
| 80 03 19 1100 | | | .3 | 1 | 28399 | 4 | 4200C | 51000 | 420 | 3000> | 2.4 | 10.5 | 4.8 | 0.355 |
| 80 04 15 1110 | | | .3 | 1 | 28455 | 3 | 20000 | 110000 | 1500 | 10600 | 7.0 | 10.1 | 1.8 | 0.550 |
| 80 05 06 1200 | | | .3 | 1 | 28503 | 3 | 900I | 3100 | 56 | 60 | 16.0 | 7.3 | 2.0 | 0.212 |
| 80 06 09 1100 | | | .3 | 1 | 28581 | 6 | 35000 | 140000 | 550 | 800 | 15.5 | 8.4 | 1.6 | 0.202 |
| 80 07 06 1430 | | | .3 | 1 | 80028 | 6 | | | | | 25.0 | 6.9 | | 0.245 |
| 80 07 07 0205 | | | .3 | 1 | 80029 | 6 | | | | | 23.0 | 5.9 | | 0.188 |
| 80 07 15 1050 | | | .3 | 1 | 28596 | 6 | 1300 | 8000 | 70C | 40 | 25.0 | 6.7 | 1.6 | 0.205 |
| 80 08 11 1055 | | | .3 | 1 | 28644 | 6 | 100I | 14000 | 20I | 60I | 25.0 | 6.9 | 1.0 | 0.185 |
| 80 09 08 1020 | | | .3 | 1 | 28694 | 6 | 200I | 10800 | 10I | 20I | 23.5 | 7.5 | 1.2 | 0.148 |
| 80 10 07 1035 | | | .3 | 1 | 28738 | 6 | 8600C | 52500 | 530 | 60I | 10.0 | 8.4 | 1.0 | 0.202 |
| 80 11 17 1050 | | | .3 | 1 | 28787 | 6 | 400I | 2900 | 48 | 300 | 5.5 | 10.6 | 1.2 | 0.164 |
| 80 12 17 1025 | | | .3 | 1 | 28826 | 4 | 3000> | 3000> | 140 | 800 | 1.0 | 10.8 | 2.2 | 0.245 |
| **MAXIMUM** | | | | | | | **35000>** | **140000>** | **1500** | **10600>** | **25.0** | **10.8** | **4.8** | **0.550** |
| **ARITH MEAN** | | | | | | | **7200G** | **41608G** | **305** | **1483G** | **12.9** | **8.3** | **1.9** | **0.242** |
| **GEOM MEAN** | | | | | | | **2009G** | **16888G** | **122** | **310G** | **7.6** | **8.2** | **1.8** | **0.228** |
| **MINIMUM** | | | | | | | **100** | **2900** | **10** | **20** | **1.0** | **5.9** | **1.0** | **0.148** |
| **STD DEV** | | | | | | | **10683G** | **49269G** | **427** | **3002G** | **10.0** | **1.8** | **1.1** | **0.102** |
| **NO OF SAMPLES** | | | | | | | **12** | **12** | **12** | **12** | **14** | **14** | **12** | **14** |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 30 1110 | | | .3 | 1 | 0.114 | 0.322 | 1.600 | 0.056 | 1.840 | 2.218 | 1.278 | 3.496 | 248.00 | 10.00 |
| 80 02 27 1200 | | | .3 | 1 | 0.047 | 0.312 | 1.930 | 0.029 | 2.570 | 2.911 | 1.618 | 4.529 | 449.00 | 21.00 |
| 80 03 19 1100 | | | .3 | 1 | 0.155 | 0.910 | 2.900 | 0.056 | 1.790 | 2.756 | 1.990 | 4.746 | 244.00 | 42.00 |
| 80 04 15 1110 | | | .3 | 1 | 0.160 | 0.150 | 1.900 | 0.066 | 1.240 | 1.456 | 1.750 | 3.206 | 377.00 | 172.00 |
| 80 05 06 1200 | | | .3 | 1 | 0.064 | 0.110 | 1.480 | 0.054 | 1.550 | 1.714 | 1.370 | 3.084 | 267.00 | 17.00 |
| 80 06 09 1100 | | | .3 | 1 | 0.100 | 0.196 | 1.450 | 0.047 | 0.223 | 0.466 | 1.254 | 1.720 | 326.00 | 46.00 |
| 80 07 06 1430 | | | .3 | 1 | 0.060 | 0.128 | 2.250 | 0.170 | 3.370 | 3.668 | 2.122 | 5.790 | | |
| 80 07 07 0205 | | | .3 | 1 | 0.078 | 0.141 | 1.680 | 0.185 | 2.960 | 3.286 | 1.539 | 4.825 | | |
| 80 07 15 1050 | | | .3 | 1 | 0.069 | 0.094 | 1.430 | 0.080 | 1.920 | 2.094 | 1.336 | 3.430 | 440 | 41 |
| 80 08 11 1055 | | | .3 | 1 | 0.084 | 0.024 | 1.050 | 0.072 | 0.473 | 0.569 | 1.026 | 1.595 | 451.00 | 38.00 |
| 80 09 08 1020 | | | .3 | 1 | 0.064 | 0.022 | 0.980 | 0.017 | 0.033 | 0.072 | 0.958 | 1.030 | 308.00 | 20.00 |
| 80 10 07 1035 | | | .3 | 1 | 0.056 | 0.106 | 0.900 | 0.016 | 0.169 | 0.291 | 0.794 | 1.085 | 435.00 | 23.00 |
| 80 11 17 1050 | | | .3 | 1 | 0.066 | 0.116 | 1.520 | 0.045 | 3.060 | 3.221 | 1.404 | 4.625 | 368.00 | 6.00 |
| 80 12 17 1025 | | | .3 | 1 | 0.004 | 0.224 | 1.820 | 0.080 | 0.275 | 0.579 | 1.596 | 2.175 | 422.00 | 31.00 |
| **MAXIMUM** | | | | | **0.160** | **0.910** | **2.900** | **0.185** | **3.370** | **3.668** | **2.122** | **5.790** | **451.00** | **172.00** |
| **ARITH MEAN** | | | | | **0.080** | **0.204** | **1.635** | **0.069** | **1.534** | **1.807** | **1.431** | **3.238** | **381** | **38** |
| **GEOM MEAN** | | | | | **0.065** | **0.136** | **1.560** | **0.056** | **0.875** | **1.191** | **1.384** | **2.838** | **352** | **27** |
| **MINIMUM** | | | | | **0.004** | **0.022** | **0.900** | **0.016** | **0.033** | **0.072** | **0.794** | **1.030** | **244.00** | **6.00** |
| **STD DEV** | | | | | **0.041** | **0.222** | **0.526** | **0.050** | **1.168** | **1.260** | **0.376** | **1.538** | **80** | **43** |
| **NO OF SAMPLES** | | | | | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **12** | **12** |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FWPH | PHNOL | FEUT | COLAP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | COLOUR APPARENT HZU |
| 80 01 30 1110 | | | .3 | 1 | 237.000 | 365.0 | 145.00 | 19.000 | 83.000 | 7.28 | | 1.000< | 9.300 | 65.000 |
| 80 02 27 1200 | | | .3 | 1 | 428.00 | 570.0 | 29.00 | 38.500 | 109.000 | 7.37 | | 1.000 | 1.800 | 52.000 |
| 80 03 19 1100 | | | .3 | 1 | 202.000 | 310.0 | 62.00 | 28.000 | 52.000 | 7.23 | | 1.000 | 4.400 | 70.000> |
| 80 04 15 1110 | | | .3 | 1 | 205.000 | 315.0 | 190.00 | 12.500 | 52.500 | 7.66 | | 1.000< | 16.000 | 70.000> |
| 80 05 06 1200 | | | .3 | 1 | 250.000 | 385.0 | 67.00 | 14.500 | 74.000 | 7.74 | | 1.000< | 4.700 | 70.000> |
| 80 06 09 1100 | | | .3 | 1 | 280.000 | 430.0 | 54.00 | 17.500 | 70.500 | 7.96 | | 1.700 | 4.400 | 70.000> |
| 80 07 06 1430 | | | .3 | 1 | | 485.0 | | | | 7.83 | | | | |
| 80 07 07 0205 | | | .3 | 1 | | 485.0 | | | | 7.82 | | | | |
| 80 07 15 1050 | | | .3 | 1 | 399 | 465.0 | 65.00 | 22.500 | 71.000 | 7.93 | 7.6 | 1 < | 3.900 | |
| 80 08 11 1055 | | | .3 | 1 | 413.00 | 500.0 | 56.00 | 25.000 | 89.500 | 7.92 | 7.9 | 1.000< | 3.900 | 70.000> |
| 80 09 08 1020 | | | .3 | 1 | 388.000 | 570.0 | 21.00 | 33.500 | 91.500 | 8.05 | 7.1 | 1.000< | 1.300 | 54.000 |
| 80 10 07 1035 | | | .3 | 1 | 412.00 | 640.0 | 30.00 | 43.000 | 137.000 | 7.91 | 7.4 | 1.000< | 1.800 | 70 > |
| 80 11 17 1050 | | | .3 | 1 | 362.00 | 485.0 | 43.00 | 29.500 | 105.000 | 7.89 | 7.45 | 1.000< | 2.500 | 70 > |
| 80 12 17 1025 | | | .3 | 1 | 391.00 | 430.0 | 81.00 | 22.000 | 66.000 | 7.49 | 7.5 | 1.000< | 8.100 | 70.000> |
| **MAXIMUM** | | | | | **428.00** | **640.0** | **190.00** | **43.000** | **137.000** | **8.05** | **7.9** | **1.700** | **16.000** | **70.000>** |
| **ARITH MEAN** | | | | | **330** | **469.6** | **70.25** | **25.458** | **83.417** | **7.72** | **7.4** | **1 L** | **5.175** | **66 G** |
| **GEOM MEAN** | | | | | **318** | **460.1** | **57.94** | **23.867** | **80.230** | **7.72** | **7.4** | **1 L** | **4.015** | **66 G** |
| **MINIMUM** | | | | | **202.000** | **310.0** | **21.00** | **12.500** | **52.000** | **7.23** | **7.1** | **1.000<** | **1.300** | **52.000** |
| **STD DEV** | | | | | **88** | **96.1** | **49.64** | **9.435** | **24.772** | **0.27** | **0.2** | **0 L** | **4.182** | **6 G** |
| **NO OF SAMPLES** | | | | | **12** | **14** | **12** | **12** | **12** | **14** | **6** | **12** | **12** | **11** |

| TEST-NAME: | | | | | COD | MNUT |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHEM. OX DEMAND MG/L AS O | MANGANSE UNF.TOT. MG/L AS MN |
| 80 01 30 1110 | | | .3 | 1 | 64 | 0.096 |
| 80 02 27 1200 | | | .3 | 1 | 30 | 0.163 |
| 80 03 19 1100 | | | .3 | 1 | 70 | 0.180 |
| 80 04 15 1110 | | | .3 | 1 | 56 | 0.190 |
| 80 05 06 1200 | | | .3 | 1 | 52 | 0.140 |
| 80 06 09 1100 | | | .3 | 1 | 44 | 0.155 |
| 80 07 15 1050 | | | .3 | 1 | 46 | |
| 80 08 11 1055 | | | .3 | 1 | 48 | 0.117 |
| 80 09 08 1020 | | | .3 | 1 | 56 | 0.064 |
| 80 10 07 1035 | | | .3 | 1 | 32 | 0.080 |
| 80 11 17 1050 | | | .3 | 1 | 46 | 0.070 |
| 80 12 17 1025 | | | .3 | 1 | 54 | 0.110 |
| **MAXIMUM** | | | | | **70** | **0.190** |
| **ARITH MEAN** | | | | | **50** | **0.124** |
| **GEOM MEAN** | | | | | **49** | **0.116** |
| **MINIMUM** | | | | | **30** | **0.064** |
| **STD DEV** | | | | | **12** | **0.044** |
| **NO OF SAMPLES** | | | | | **12** | **11** |

| | | |
|---|---|---|
| B.O.W./ SITE: **WELLAND RIVER**<br>SAMPLE POINT: **AT SINCLAIRVILLE BRIDGE**<br>STATION TYPE: **RIVER** | MAJOR BASIN **GREAT LAKES**<br>MINOR BASIN **LAKE ONTARIO**<br>TERM STREAM **WELLAND RIVER** | STATION ID: **11-0001-008-02**<br>STORET CODE: **02**<br>**004**<br>**5400** |
| LAT: LONG: | U T M: **17 0600300.0 4767750.0 4** | REGION: **02** DISTANCE: **101.225** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 30 1010 | | | 3 | 1 | 28338 | 4 | 100I | 10000 | 20< | 100< | 1 2 | 10 6 | 0 6 | 0 105 |
| 80 02 27 1030 | | | 3 | 1 | 28373 | 4 | 1100 | 13000 | 140I | 1640 | 1 0 | 9 9 | 3 6 | 0 240 |
| 80 03 19 0945 | | | 3 | 1 | 28397 | 3 | 29000 | 260000 | 4500 | 8400 | 2 5 | 12 0 | 5 6 | 0 560 |
| 80 04 15 1000 | | | 3 | 1 | 28453 | 3 | 41000 | 170000 | 13600 | 15000> | 5 0 | 10 7 | 2 0 | 0 825 |
| 80 05 06 1015 | | | 3 | 1 | 28501 | 3 | 600I | 7100 | 24 | 12 | 17 0 | 7 9 | 4 0 | 0 212 |
| 80 06 09 0940 | | | 3 | 1 | 28580 | 6 | 8300C | 140000 | 1500 | 1500> | 14 0 | 7 3 | 2 2 | 0 210 |
| 80 07 06 1310 | | | 3 | 1 | 80032 | 8 | | | | | 24 5 | 8 0 | | 0 112 |
| 80 07 07 0050 | | | 3 | 1 | 80033 | 8 | | | | | 22 0 | 6 8 | | 0 138 |
| 80 07 15 1000 | | | .3 | 1 | 28595 | 6 | 600 | 43000 | 130 | 640 | 24 0 | 4 7 | 1 2 | 0 128 |
| 80 08 11 1005 | | | .3 | 1 | 28643 | 6 | | | | | 21 5 | 6 2 | 1 4 | 0 165 |
| 80 09 08 0935 | | | .3 | 1 | 28693 | 6 | 3000C | 36500 | 730 | 320 | 19 5 | 6 4 | 1 2 | 0 142 |
| 80 10 07 0940 | | | .3 | 1 | 28737 | 6 | 1100 | 13500 | 300 | 760 | 7 0 | 9 0 | 1 2 | 0 145 |
| 80 11 17 0950 | | | .3 | 1 | 28786 | 5 | 700I | 3300 | 76 | 104 | 4 0 | 12 1 | 1 4 | 0 040 |
| 80 12 17 0900 | | | .3 | 1 | 28825 | 4 | 3000I | 9000 | 150I | 50< | 0 8 | 10 6 | 1 0 | 0 212 |
| MAXIMUM | | | | | | | 41000 | 260000 | 13600 | 15000> | 24.5 | 12.1 | 5.6 | 0.825 |
| ARITH MEAN | | | | | | | 8045 | 64127 | 1925L | 2593B | 11.7 | 8.7 | 2.1 | 0.231 |
| GEOM MEAN | | | | | | | 2061 | 25950 | 303L | 478B | 6.8 | 8.4 | 1.7 | 0.177 |
| MINIMUM | | | | | | | 100 | 3300 | 20< | 12< | 0.8 | 4.7 | 0.6 | 0.040 |
| STD DEV | | | | | | | 13786 | 86394 | 4092L | 4771B | 9.5 | 2.3 | 1.5 | 0.209 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 14 | 14 | 12 | 14 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 30 1010 | | | 3 | 1 | 0 026 | 0 108 | 0 910 | 0 034 | 2 970 | 3 112 | 0 802 | 3 914 | 361.00 | 13 00 |
| 80 02 27 1030 | | | 3 | 1 | 0 060 | 0 480 | 2 230 | 0 049 | 2 300 | 2 829 | 1 750 | 4 579 | 494.00 | 58.00 |
| 80 03 19 0945 | | | .3 | 1 | 0 130 | 0 640 | 3 100 | 0 091 | 2 760 | 3 491 | 2 460 | 5 951 | 355.00 | 166.00 |
| 80 04 15 1000 | | | 3 | 1 | 0 180 | 0 140 | 2 900 | 0 160 | 1 990 | 2 290 | 2 760 | 5 050 | 670.00 | 481.00 |
| 80 05 06 1015 | | | 3 | 1 | 0 009 | 0 122 | 1 550 | 0 020 | 0 800 | 0 942 | 1 428 | 2 370 | 499.00 | 103.00 |
| 80 06 09 0940 | | | 3 | 1 | 0 038 | 0 112 | 1 450 | 0 160 | 3 590 | 3 862 | 1 338 | 5 200 | 695.00 | 103.00 |
| 80 07 06 1310 | | | 3 | 1 | 0 021 | 0 038 | 0 760 | 0 007 | 0 017 | 0 062 | 0 722 | 0 784 | | |
| 80 07 07 0050 | | | 3 | 1 | 0 021 | 0 073 | 0 800 | 0 009 | 0 016 | 0 098 | 0 727 | 0 825 | | |
| 80 07 15 1000 | | | 3 | 1 | 0 019 | 0 026 | 0 800 | 0 004 | 0 006 | 0 036 | 0 774 | 0 810 | 958 | 54 |
| 80 08 11 1005 | | | 3 | 1 | 0 033 | 0 056 | 0 830 | 0 016 | 0 189 | 0 261 | 0 774 | 1 035 | 546 | 82 |
| 80 09 08 0935 | | | 3 | 1 | 0 036 | 0 022 | 0 720 | 0 012 | 0 453 | 0 487 | 0 698 | 1 185 | 132 00 | 52 00 |
| 80 10 07 0940 | | | 3 | 1 | 0 018 | 0 042 | 0 680 | 0 006 | 0 244 | 0 292 | 0 638 | 0 930 | 309 00 | 22 00 |
| 80 11 17 0950 | | | 3 | 1 | 0 007 | 0 020 | 0 600 | 0 005 | 0 345 | 0 370 | 0 580 | 0 950 | 346 00 | 9 00 |
| 80 12 17 0900 | | | 3 | 1 | 0 021 | 0 094 | 1 580 | 0 074 | 8 680 | 8 848 | 1 486 | 10 334 | 858 00 | 51 00 |
| MAXIMUM | | | | | 0.180 | 0.640 | 3.100 | 0.160 | 8.680 | 8.848 | 2.760 | 10.334 | 958 | 481.00 |
| ARITH MEAN | | | | | 0.044 | 0.141 | 1.351 | 0.046 | 1.740 | 1.927 | 1.210 | 3.137 | 518 | 99 |
| GEOM MEAN | | | | | 0.029 | 0.080 | 1.157 | 0.022 | 0.442 | 0.700 | 1.058 | 2.128 | 461 | 58 |
| MINIMUM | | | | | 0.007 | 0.020 | 0.600 | 0.004 | 0.006 | 0.036 | 0.580 | 0.784 | 132.00 | 9.00 |
| STD DEV | | | | | 0.050 | 0.186 | 0.840 | 0.055 | 2.363 | 2.446 | 0.702 | 2.843 | 240 | 128 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | SSO4UR | ALKT | PH | FWPH | PHNOL | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE |
| 80 01 30 1010 | | | 3 | 1 | 348 00 | 485.0 | 70 00 | 31 000 | 89 000 | 106 | 7 63 | | 1 000< | 2 800 |
| 80 02 27 1030 | | | 3 | 1 | 436 00 | 560.0 | 65 00 | 45 500 | 134 000 | 80.0 | 7 23 | | 1 000 | 4.300 |
| 80 03 19 0945 | | | 3 | 1 | 189 000 | 290.0 | 210 00 | 23 500 | 50 500 | 48.0 | 7 24 | | 1 000 | 14.000 |
| 80 04 15 1000 | | | 3 | 1 | 189 000 | 290.0 | 360 00 | 13 000 | 67 500 | 57.0 | 7 41 | | 1.000< | 48.000 |
| 80 05 06 1015 | | | .3 | 1 | 396 00 | 550.0 | 56 00 | 40 000 | 107 000 | 114.0 | 8 02 | | 1.000< | 4.200 |
| 80 06 09 0940 | | | .3 | 1 | 592 00 | 750.0 | 73 00 | 4 450 | 207 000 | 115 0 | 7 57 | | 2 000 | 7 200 |
| 80 07 06 1310 | | | 3 | 1 | | 1100.0 | | | | | 7 96 | | | |
| 80 07 07 0050 | | | 3 | 1 | | 1100.0 | | | | | 7 91 | | | |
| 80 07 15 1000 | | | 3 | 1 | 904 | 1150.0 | 37 00 | 82 500 | 308 000 | | 7 71 | 7 4 | 1 < | 2 200 |
| 80 08 11 1005 | | | .3 | 1 | 464 | 600 | 55 | 37 0 | 113 | 150 | 7 73 | 7.6 | 1 < | 4 2 |
| 80 09 08 0935 | | | .3 | 1 | 80 000 | 465.0 | 3 60 | 28 500 | 68 500 | 123.0 | 7 57 | 6.5 | 2.000 | 2.500 |
| 80 10 07 0940 | | | 3 | 1 | 287 00 | 460 0 | 20.00 | 30 000 | 72 500 | 123 0 | 7.81 | 7 1 | 1 000< | 1.500 |
| 80 11 17 0950 | | | 3 | 1 | 337 00 | 520 0 | 13 00 | 31 500 | 90 000 | 126 0 | 7.94 | 7.5 | 1.000< | 0.840 |
| 80 12 17 0900 | | | 3 | 1 | 807 00 | 1100.0 | 37.00 | | 234 000 | 172.0 | 7.87 | 7.35 | 1.000< | 6.900 |
| MAXIMUM | | | | | 904 | 1150.0 | 360.00 | 82.500 | 308.000 | 172.0 | 8.02 | 7.6 | 2.000 | 48.000 |
| ARITH MEAN | | | | | 419 | 672 | 83 | 33.3 | 128 | 110 | 7.69 | 7.2 | 1 L | 8.2 |
| GEOM MEAN | | | | | 349 | 608 | 46 | 27.3 | 110 | 103 | 7.68 | 7.2 | 1 L | 4.3 |
| MINIMUM | | | | | 80.000 | 290.0 | 3.60 | 4.450 | 50.500 | 48.0 | 7.23 | 6.5 | 1.000< | 0.840 |
| STD DEV | | | | | 246 | 310 | 101 | 20.0 | 79 | 38 | 0.28 | 0.4 | 0 L | 13.0 |
| NO OF SAMPLES | | | | | 12 | 14 | 12 | 11 | 12 | 11 | 14 | 6 | 12 | 12 |

| TEST-NAME: | | | | | COLAP | COD | ASUT | HGUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | CHEM. OX DEMAND MG/L AS O | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. ~~MG/L~~ UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 01 30 1010 | | | 3 | 1 | 66 000 | 42 | 0 001< | 0 030< | 2 800 | 0 020< | 0 010 | 0 030< | 0 005 < | 0 050 |
| 80 02 27 1030 | | | .3 | 1 | 70 000 | 44 | 0 002 | 0 020< | 5 000 | 0 020< | 0 010< | 0 030< | 0 005 < | 0 020 |
| 80 03 19 0945 | | | 3 | 1 | 70 000> | 86 | 0 005 | 0 030 | 16 000 | 0 050 | 0 020 | 0 030< | 0 005 < | 0 040 |
| 80 04 15 1000 | | | 3 | 1 | 70 000> | 58 | 0 009 | 0 060 | 41 000 | 0 070 | 0 040 | 0 030< | 0 005 < | 0 120 |
| 80 05 06 1015 | | | 3 | 1 | 70 000> | 38 | 0 002 | 0 030< | 3 000 | 0 020< | 0 020 | 0 030< | 0 005 < | 0 010< |
| 80 06 09 0940 | | | 3 | 1 | 70 000> | 44 | 0 001 | 0 040 | 5 500 | 0 030 | 0 010 | 0 030< | 0 005 < | 0 030 |
| 80 07 15 1000 | | | 3 | 1 | | 42 | 0 001 | 0 030< | 2 50 | 0 02 < | 0 01 < | 0 03 < | 0 005 < | 0 01 < |
| 80 08 11 1005 | | | 3 | 1 | 70 > | 26 | 0 001< | 0 04 | 1 2 | 0 003 | 0 001 | 0 003< | 0 0003 | 0 012 |
| 80 09 08 0935 | | | 3 | 1 | 33 000 | 40 | 0 001< | 0 04 < | 1 7 | 0 004 | 0 004 | 0 003 | 0 0002 | 0 007 |
| 80 10 07 0940 | | | 3 | 1 | 70 > | 18 | 0 001 | 0 020< | 0 950 | 0 005 | 0 003 | 0 003< | 0 0002< | 0 003 |
| 80 11 17 0950 | | | .3 | 1 | 33 000 | 23 | 0 001 | 0 030 | 0 660 | 0 001 | 0 002 | 0 003< | 0 0002< | 0 006 |
| 80 12 17 0900 | | | .3 | 1 | 70 000> | 38 | 0 001< | 0 05 | 6 1 | 0 005 | 0 007 | 0 006 | 0 0004 | 0 049 |
| MAXIMUM | | | | | 70.000> | 86 | 0.009 | 0.060 | 41.000 | 0.070 | 0.040 | 0.03 | 0.006 | 0.120 |
| ARITH MEAN | | | | | 62 G | 42 | 0.002L | 0.03 L | 7.2 | 0.02 L | 0.01 L | 0.01 L | 0.003 L | 0.03 L |
| GEOM MEAN | | | | | 60 G | 38 | 0.002L | 0.03 L | 3.4 | 0.01 L | 0.00 L | 0.01 L | 0.001 L | 0.01 L |
| MINIMUM | | | | | 33.000 | 18 | 0.001< | 0.020< | 0.660 | 0.001< | 0.001< | 0.003< | 0.0002< | 0.003< |
| STD DEV | | | | | 14 G | 18 | 0.002L | 0.01 L | 11.4 | 0.02 L | 0.01 L | 0.01 L | 0.002 L | 0.03 L |
| NO OF SAMPLES | | | | | 11 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

(CONTD)

| | | | | TEST-NAME: | MNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 01 30 1010 | | | .3 | 1 | 0.130 | 0.020< | 0.02 < | 0.010< |
| 80 02 27 1030 | | | .3 | 1 | 0.400 | 0.020< | 0.020 < | 0.010< |
| 80 03 19 0945 | | | .3 | 1 | 0.280 | 0.020< | 0.020 < | 0.010< |
| 80 04 15 1000 | | | .3 | 1 | 0.530 | 0.020< | 0.020 < | 0.010< |
| 80 05 06 1015 | | | .3 | 1 | 0.320 | 0.020< | 0.020 < | 0.010< |
| 80 06 09 0940 | | | .3 | 1 | 0.410 | 0.020< | 0.020 < | 0.010< |
| 80 07 15 1000 | | | .3 | 1 | | 0.02 < | 0.02 < | 0.01 < |
| 80 08 11 1005 | | | .3 | 1 | 0.327 | 0.005 | 0.012 | 0.01 < |
| 80 09 08 0935 | | | .3 | 1 | 0.134 | 0.004 | 0.002 < | 0.01 < |
| 80 10 07 0940 | | | .3 | 1 | 0.110 | 0.006 | 0.002 < | 0.010< |
| 80 11 17 0950 | | | .3 | 1 | 0.076 | 0.003< | 0.0005< | 0.010< |
| 80 12 17 0900 | | | .3 | 1 | 0.620 | 0.005 | 0.0005< | |
| MAXIMUM | | | | | 0.620 | 0.02 | 0.02 | 0.010 |
| ARITH MEAN | | | | | 0.303 | 0.01 L | 0.01 L | 0.01 L |
| GEOM MEAN | | | | | 0.249 | 0.01 L | 0.00 L | 0.01 L |
| MINIMUM | | | | | 0.076 | 0.003< | 0.0005< | 0.010< |
| STD DEV | | | | | 0.179 | 0.00 L | 0.00 L | 0.00 L |
| NO OF SAMPLES | | | | | 11 | 12 | 12 | 11 |

B.O.W./ SITE: **WELLAND RIVER**
SAMPLE POINT: **LOT 25 CONC.7 FORMER TWP.OF BINBROOK**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **WELLAND RIVER**

STATION ID: **11-0001-009-02**
STORET CODE: **02**
**004**
**5400**

LAT:
LONG:
U T M: **17 0597750.0 4771600.0 0**
REGION: **02**
DISTANCE: **112.400**

| | | | | TEST-NAME: | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 30 0940 | | | .3 | 1 | 28337 | 4 | 500I | 700 | 20I | 40I | 1.2 | 11.1 | 1.8 | 0.104 |
| 80 02 27 1000 | | | .3 | 1 | 28372 | 4 | 11000 | 70000 | 80I | 430 | 1.2 | 10.2 | 2.8 | 0.220 |
| 80 03 19 0925 | | | .3 | 1 | 28396 | 3 | 30000 | 140000 | 19000 | 6700 | 2.8 | 12.1 | 4.2 | 0.250 |
| 80 04 15 0945 | | | .3 | 1 | 28452 | 3 | 14000 | 60000 | 2300 | 6400 | 6.2 | 11.1 | 2.4 | 0.318 |
| 80 05 06 0950 | | | .3 | 1 | 28500 | 3 | 600I | 6900 | 60 | 64 | 16.0 | 7.1 | 3.6 | 0.180 |
| 80 06 09 0930 | | | .3 | 1 | 28579 | 6 | 8200C | 150000 | 1490 | 1500> | 13.5 | 6.7 | 5.6 | 0.210 |
| 80 07 06 1300 | | | .3 | 1 | 80034 | 7 | | | | | 23.0 | 5.2 | | 0.105 |
| 80 07 07 0035 | | | .3 | 1 | 80035 | 7 | | | | | 22.5 | 7.7 | | 0.145 |
| 80 07 15 0940 | | | .3 | 1 | 28594 | 6 | 3000 | 51000 | 70C | 180 | 23.0 | 4.4 | 2.0 | 0.138 |
| 80 08 11 0940 | | | .3 | 1 | 28642 | 6 | | | | | 20.5 | 6.7 | 2.0 | 0.195 |
| 80 09 08 0920 | | | .3 | 1 | 28692 | 6 | 2800C | 29000 | 100I | 580 | 20.5 | 6.1 | 2.0 | 0.130 |
| 80 10 07 0920 | | | .3 | 1 | 28736 | 6 | 600I | 24000 | 140 | 300I | 9.0 | 8.3 | 1.8 | 0.142 |
| 80 11 17 0935 | | | .3 | 1 | 28785 | 6 | 1100 | 2900 | 24 | 600> | 5.0 | 11.8 | 1.2 | 0.051 |
| 80 12 17 0835 | | | .3 | 1 | 28824 | 4 | 500I | 2100 | 20< | 20I | 1.0 | 10.4 | 1.2 | 0.075 |
| MAXIMUM | | | | | | | 30000 | 150000 | 19000 | 6700> | 23.0 | 12.1 | 5.6 | 0.318 |
| ARITH MEAN | | | | | | | 6573 | 48782 | 2119L | 1529G | 11.8 | 8.5 | 2.5 | 0.162 |
| GEOM MEAN | | | | | | | 2564 | 18598 | 168L | 384G | 7.3 | 8.1 | 2.3 | 0.146 |
| MINIMUM | | | | | | | 500 | 700 | 20< | 20 | 1.0 | 4.4 | 1.2 | 0.051 |
| STD DEV | | | | | | | 9101 | 53388 | 5650L | 2518G | 9.0 | 2.6 | 1.3 | 0.072 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 14 | 14 | 12 | 14 |

| | | | | TEST-NAME: | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 30 0940 | | | .3 | 1 | 0.027 | 0.162 | 1.050 | 0.036 | 2.960 | 3.158 | 0.888 | 4.046 | 325.00 | 11.00 |
| 80 02 27 1000 | | | .3 | 1 | 0.057 | 0.360 | 1.850 | 0.042 | 2.860 | 3.262 | 1.490 | 4.752 | 479.00 | 50.00 |
| 80 03 19 0925 | | | .3 | 1 | 0.110 | 0.640 | 1.430 | 0.082 | 3.170 | 3.892 | 0.790 | 4.682 | 407.00 | 176.00 |
| 80 04 15 0945 | | | .3 | 1 | 0.065 | 0.190 | 1.400 | 0.064 | 3.050 | 3.304 | 1.210 | 4.514 | 330.00 | 102.00 |
| 80 05 06 0950 | | | .3 | 1 | 0.008 | 0.084 | 1.400 | 0.036 | 1.510 | 1.630 | 1.316 | 2.946 | 353.00 | 77.00 |
| 80 06 09 0930 | | | .3 | 1 | 0.031 | 1.170 | 1.450 | 0.245 | 2.850 | 4.265 | 0.280 | 4.545 | 505.00 | 71.00 |
| 80 07 06 1300 | | | .3 | 1 | 0.021 | 0.096 | 0.900 | 0.022 | 0.157 | 0.275 | 0.804 | 1.079 | | |
| 80 07 07 0035 | | | .3 | 1 | 0.021 | 0.114 | 0.880 | 0.026 | 0.154 | 0.294 | 0.766 | 1.060 | | |
| 80 07 15 0940 | | | .3 | 1 | 0.020 | 0.118 | 0.930 | 0.017 | 0.063 | 0.198 | 0.812 | 1.010 | 552 | 50 |
| 80 08 11 0940 | | | .3 | 1 | 0.033 | 0.136 | 0.93 | 0.071 | 0.414 | 0.621 | 0.794 | 1.415 | 405 | 86 |
| 80 09 08 0920 | | | .3 | 1 | 0.007 | 0.026 | 0.850 | 0.025 | 0.315 | 0.366 | 0.824 | 1.190 | 139.00 | 63.00 |
| 80 10 07 0920 | | | .3 | 1 | 0.009 | 0.036 | 0.850 | 0.019 | 0.191 | 0.246 | 0.814 | 1.060 | 293.00 | 42.00 |
| 80 11 17 0935 | | | .3 | 1 | 0.003 | 0.066 | 0.720 | 0.008 | 0.287 | 0.361 | 0.654 | 1.015 | 308.00 | 20.00 |
| 80 12 17 0835 | | | .3 | 1 | 0.020 | 0.134 | 0.980 | 0.029 | 2.870 | 3.033 | 0.846 | 3.879 | 728.00 | 24.00 |
| MAXIMUM | | | | | 0.110 | 1.170 | 1.850 | 0.245 | 3.170 | 4.265 | 1.490 | 4.752 | 728.00 | 176.00 |
| ARITH MEAN | | | | | 0.031 | 0.238 | 1.11 | 0.062 | 1.489 | 1.779 | 0.878 | 2.657 | 402 | 64 |
| GEOM MEAN | | | | | 0.021 | 0.139 | 1.07 | 0.036 | 0.725 | 0.993 | 0.826 | 2.147 | 374 | 50 |
| MINIMUM | | | | | 0.003 | 0.026 | 0.720 | 0.008 | 0.063 | 0.198 | 0.280 | 1.010 | 139.00 | 11.00 |
| STD DEV | | | | | 0.029 | 0.312 | 0.32 | 0.060 | 1.368 | 1.601 | 0.296 | 1.657 | 150 | 44 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| | | | | TEST-NAME: | RSF | COND25 | TURB | CLIDUR | SSO4UR | ALKT | PH | FWPH | PHNOL | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE |
| 80 01 30 0940 | | | .3 | 1 | 314.00 | 445.0 | 37.00 | 27.000 | 64.000 | 106 | 7.84 | | 1.000< | 2.700 |
| 80 02 27 1000 | | | .3 | 1 | 429.00 | 580.0 | 53.00 | 40.000 | 109.000 | 119.0 | 7.47 | | 1.000 | 3.300 |
| 80 03 19 0925 | | | .3 | 1 | 231.000 | 355.0 | 185.00 | 28.500 | 54.000 | 65.0 | 7.47 | | 1.000 | 13.000 |
| 80 04 15 0945 | | | .3 | 1 | 228.000 | 350.0 | 135.00 | 21.000 | 55.000 | 78.0 | 7.75 | | 1.000< | 11.000 |
| 80 05 06 0950 | | | .3 | 1 | 276.000 | 425.0 | 42.00 | 27.500 | 67.000 | 100.0 | 7.84 | | 1.000< | 3.500 |
| 80 06 09 0930 | | | .3 | 1 | 434.00 | 600.0 | 50.00 | 38.000 | 104.000 | 139.0 | 7.64 | | 2.000 | 6.000 |
| 80 07 06 1300 | | | .3 | 1 | | 650.0 | | | | | 7.74 | | | |
| 80 07 07 0035 | | | .3 | 1 | | 650.0 | | | | | 7.85 | | | |
| 80 07 15 0940 | | | .3 | 1 | 502 | 650 | 31.00 | 33.500 | 110.000 | | 7.65 | 7.3 | 1 < | 2.300 |
| 80 08 11 0940 | | | .3 | 1 | 319 | 460 | 53 | 25.5 | 56.0 | 136 | 7.63 | 7.5 | 1 < | 4.2 |
| 80 09 08 0920 | | | .3 | 1 | 76.000 | 410.0 | 2.60 | 25.500 | 50.800 | 117.0 | 7.51 | 6.1 | 2.000 | 2.500 |
| 80 10 07 0920 | | | .3 | 1 | 251.00 | 410.0 | 27.00 | 26.000 | 52.000 | 119.0 | 7.58 | 7.3 | 1.000< | 2.600 |
| 80 11 17 0935 | | | .3 | 1 | 288.00 | 445.0 | 17.00 | 27.000 | 62.000 | 122.0 | 7.95 | 7.3 | 1.000< | 1.200 |
| 80 12 17 0835 | | | .3 | 1 | 704.00 | 1000.0 | 22.00 | 56.000 | 149.000 | 221.0 | 7.71 | 7.2 | 1.000< | 1.700 |

(CONTD)

| | | | |
|---|---|---|---|
| B O W / SITE | **WELLAND RIVER** | | STATION ID **11-0001-009-02** |
| SAMPLE POINT | **LOT 25 CONC.7 FORMER TWP.OF BINBROOK** | MAJOR BASIN **GREAT LAKES** | STORET CODE **02** |
| STATION TYPE | **RIVER** | MINOR BASIN **LAKE ONTARIO** | **004** |
| | | TERM STREAM **WELLAND RIVER** | **5400** |
| LAT: | LONG: | U T M **17 0597750.0 4771600.0 0** REGION **02** | DISTANCE **112.400** |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | SSO4UR | ALKT | PH | FWPH | PHNOL | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE |
| MAXIMUM | | | | | 704.00 | 1000.0 | 186.00 | 56.000 | 149.000 | 221.0 | 7.95 | 7.5 | 2.000 | 13.000 |
| ARITH MEAN | | | | | 337 | 530 | 54 | 31.2 | 77.7 | 120 | 7.89 | 7.1 | 1 L | 4.5 |
| GEOM MEAN | | | | | 299 | 508 | 35 | 30.2 | 72.6 | 114 | 7.89 | 7.1 | 1 L | 3.5 |
| MINIMUM | | | | | 76.000 | 350.0 | 2.80 | 21.000 | 50.800 | 85.0 | 7.47 | 6.1 | 1.000< | 1.200 |
| STD DEV | | | | | 161 | 174 | 62 | 9.5 | 32.0 | 40 | 0.15 | 0.5 | 0 L | 3.7 |
| NO OF SAMPLES | | | | | 12 | 14 | 12 | 12 | 12 | 11 | 14 | 8 | 12 | 12 |

| TEST-NAME: | | | | | COLAP | COD | ASUT | HGUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | CHEM. OX DEMAND MG/L AS O | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 01 30 0940 | | | .3 | 1 | 49.000 | 30 | 0.001 | 0.030< | 2.400 | 0.020< | 0.010 | 0.030< | 0.005 < | 0.050 |
| 80 02 27 1000 | | | .3 | 1 | 42.000 | 20 | 0.006 | 0.020< | 3.200 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010 |
| 80 03 19 0925 | | | .3 | 1 | 70.000> | 54 | 0.002 | 0.020 | 14.000 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.030 |
| 80 04 15 0945 | | | .3 | 1 | 70.000> | 50 | 0.003 | 0.020< | 8.500 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.030 |
| 80 05 06 0950 | | | .3 | 1 | 70.000> | 38 | 0.002 | 0.030< | 3.800 | 0.020< | 0.030 | 0.030< | 0.005 < | 0.010< |
| 80 06 09 0930 | | | .3 | 1 | 70.000> | 22 | 0.002 | 0.050< | 3.200 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.020 |
| 80 07 15 0940 | | | .3 | 1 | | 28 | 0.002 | 0.03 < | 2.1 | 0.02 < | 0.01 < | 0.03 < | 0.005 < | 0.01 < |
| 80 08 11 0940 | | | .3 | 1 | 70 > | 30 | 0.001< | 0.04 < | 2.3 | 0.005 | 0.003 | 0.003< | 0.0004 | 0.013 |
| 80 09 08 0920 | | | .3 | 1 | 16.000 | 36 | 0.001< | 0.04 < | 1.7 | 0.007 | 0.003 | 0.003< | 0.0004 | 0.006 |
| 80 10 07 0920 | | | .3 | 1 | 70 > | 20 | 0.002 | 0.020< | 1.400 | 0.005 | 0.002 | 0.003< | 0.0002< | 0.006 |
| 80 11 17 0935 | | | .3 | 1 | 70 > | 25 | 0.001 | 0.020< | 0.870 | 0.002 | 0.002 | 0.003< | 0.0002< | 0.006 |
| 80 12 17 0835 | | | .3 | 1 | 17.000 | 30 | 0.001< | 0.04 < | 0.86 | 0.002< | 0.009 | 0.007 | 0.0003 | 0.017 |
| MAXIMUM | | | | | 70.000> | 54 | 0.006 | 0.050 | 14.000 | 0.02 | 0.030 | 0.03 | 0.005 | 0.050 |
| ARITH MEAN | | | | | 55 G | 32 | 0.002L | 0.03 L | 3.8 | 0.01 L | 0.00 L | 0.01 L | 0.003 L | 0.01 L |
| GEOM MEAN | | | | | 49 G | 30 | 0.002L | 0.02 L | 2.6 | 0.01 L | 0.00 L | 0.01 L | 0.001 L | 0.01 L |
| MINIMUM | | | | | 16.000 | 20 | 0.001< | 0.020< | 0.86 | 0.002< | 0.002< | 0.003< | 0.0002< | 0.006< |
| STD DEV | | | | | 21 G | 11 | 0.001L | 0.01 L | 3.8 | 0.00 L | 0.00 L | 0.01 L | 0.002 L | 0.01 L |
| NO OF SAMPLES | | | | | 11 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | MNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 01 30 0940 | | | .3 | 1 | 0.176 | 0.020< | 0.02 < | 0.010< |
| 80 02 27 1000 | | | .3 | 1 | 0.590 | 0.020< | 0.020 < | 0.010< |
| 80 03 19 0925 | | | .3 | 1 | 0.340 | 0.020< | 0.020 < | 0.010< |
| 80 04 15 0945 | | | .3 | 1 | 0.230 | 0.020< | 0.020 < | 0.010< |
| 80 05 06 0950 | | | .3 | 1 | 0.440 | 0.020< | 0.020 < | 0.010< |
| 80 06 09 0930 | | | .3 | 1 | 0.470 | 0.020< | 0.020 < | 0.010< |
| 80 07 15 0940 | | | .3 | 1 | | 0.02 < | 0.02 < | 0.01 < |
| 80 08 11 0940 | | | .3 | 1 | 0.680 | 0.006 | 0.018 | 0.01 < |
| 80 09 08 0920 | | | .3 | 1 | 0.260 | 0.002 | 0.003 | 0.01 < |
| 80 10 07 0920 | | | .3 | 1 | 0.270 | 0.002< | 0.002 < | 0.010< |
| 80 11 17 0935 | | | .3 | 1 | 0.204 | 0.003< | 0.0005< | 0.010< |
| 80 12 17 0835 | | | .3 | 1 | 0.230 | 0.005 | 0.0005< | |
| MAXIMUM | | | | | 0.680 | 0.02 | 0.02 | 0.010 |
| ARITH MEAN | | | | | 0.354 | 0.01 L | 0.01 L | 0.01 L |
| GEOM MEAN | | | | | 0.321 | 0.00 L | 0.00 L | 0.01 L |
| MINIMUM | | | | | 0.176 | 0.002< | 0.0005< | 0.010< |
| STD DEV | | | | | 0.168 | 0.00 L | 0.00 L | 0.00 L |
| NO OF SAMPLES | | | | | 11 | 12 | 12 | 11 |

| | | | |
|---|---|---|---|
| B O W / SITE | **LITTLE CATARAQUI CREEK** | | STATION ID **12-0002-004-02** |
| SAMPLE POINT | **HIGHWAY 2, 1 MILE SOUTHEAST OF CATARAQUI** | MAJOR BASIN **GREAT LAKES** | STORET CODE **02** |
| STATION TYPE | **RIVER** | MINOR BASIN **LAKE ONTARIO** | **004** |
| | | TERM STREAM **LITTLE CATARAQUI CREEK** | **0010** |
| LAT: | LONG: | U T M **18 0377400.0 4900800.0 4** REGION **04** | DISTANCE **4.345** |

| TEST-NAME: | | | | | SAMPLE | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 01 07 1030 | | | .3 | 1 | 18505 | 2.0 | 6.0 | 1.0 | 0.052 | 0.008 | 0.040 | 0.440 | 0.008 | 0.570 |
| 80 02 04 0850 | | | .3 | 1 | 18523 | 2.0 | 11.0 | 1.2 | 0.068 | 0.006 | 0.060 | 0.490 | 0.010 | 0.430 |
| 80 03 03 1000 | | | .3 | 1 | 18526 | 0.0 | 12.0 | | 0.100 | 0.010 | 0.100 | 0.690 | 0.008 | 0.330 |
| 80 04 01 1130 | | | .3 | 1 | 18607 | 6.0 | 10.0 | | 0.030 | 0.010 | 0.020 | 0.480 | 0.016 | 0.380 |
| 80 05 05 0840 | | | .3 | 1 | 18535 | 12.0 | 5.0 | | 0.052 | 0.006 | 0.020 | 0.470 | 0.002 | 0.020< |
| 80 06 02 0750 | | | .3 | 1 | 18544 | 15.0 | 6.0 | | 0.110 | 0.020 | 0.010 | 0.660 | 0.002 | 0.020< |
| 80 07 08 0800 | | | .3 | 1 | 18553 | 19.0 | 4.0 | | 0.056 | 0.024 | 0.060 | 0.320 | 0.006 | 0.020 |
| 80 08 05 0805 | | | .3 | 1 | 18562 | 20.0 | 2.0 | | 0.094 | 0.056 | 0.040 | 0.600 | 0.002< | 0.020< |
| 80 09 02 0815 | | | .3 | 1 | 18571 | 22.0 | 2.0 | | 0.170 | 0.072 | 0.060 | 0.300 | 0.006 | 0.020< |
| 80 10 07 0840 | | | .3 | 1 | 18580 | 10.0 | 3.0 | | 0.044 | 0.018 | 0.030 | 0.460 | 0.002 | 0.020 |
| 80 11 04 0840 | | | .3 | 1 | 18589 | 6.0 | 3.0 | | 0.042 | 0.015 | 0.030 | 0.370 | 0.006 | 0.130 |
| 80 12 02 0840 | | | .3 | 1 | 18598 | 3.0 | 5.0 | | 0.036 | 0.026 | 0.030 | 0.330 | 0.004 | 0.160 |
| MAXIMUM | | | | | | 22.0 | 12.0 | 1.2 | 0.170 | 0.072 | 0.100 | 0.690 | 0.016 | 0.570 |
| ARITH MEAN | | | | | | 9.7 | 5.7 | 1.1 | 0.071 | 0.023 | 0.042 | 0.467 | 0.006L | 0.177L |
| GEOM MEAN | | | | | | 6.6 | 4.9 | 1.1 | 0.063 | 0.016 | 0.035 | 0.451 | 0.005L | 0.077L |
| MINIMUM | | | | | | 0.0 | 2.0 | 1.0 | 0.030 | 0.006 | 0.010 | 0.300 | 0.002< | 0.020< |
| STD DEV | | | | | | 7.8 | 3.5 | 0.1 | 0.041 | 0.021 | 0.026 | 0.129 | 0.004L | 0.199L |
| NO OF SAMPLES | | | | | | 12 | 12 | 2 | 12 | 12 | 12 | 12 | 12 | 12 |

(CONTD)

| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NNTIFR ORG N TOTAL FIL.REAC MG/L | NNKUR KJELDAHL ORGANIC UNF.REAC MG/L | NNKI TOTAL N MG/L AS N | RSP RESIDUE PARTIC. MG/L | RSF RESIDUE FILTERED MG/L | COND25 CONDUCT. 25C UMHO/CM AT 25 C | TURB TURB'ITY FTU | CLIDUR CHLORIDE UNF.REAC MG/L AS CL | PH PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 07 1030 | | .3 | 1 | 0.618 | 0.400 | 1.018 | 17.0 | 390.000 | 600.0 | 16.00 | 35.000 | |
| 80 02 04 0850 | | .3 | 1 | 0.500 | 0.430 | 0.930 | 3.5 | 330.0 | 680.0 | 2.30 | 48.000 | |
| 80 03 03 1000 | | .3 | 1 | 0.438 | 0.590 | 1.028 | | | 730.0 | 22.00 | | |
| 80 04 01 1130 | | .3 | 1 | 0.416 | 0.460 | 0.876 | | | 430.0 | 5.50 | | |
| 80 05 05 0840 | | .3 | 1 | 0.042 | 0.450 | 0.492 | | | 420.0 | 6.20 | | |
| 80 06 02 0750 | | .3 | 1 | 0.032 | 0.650 | 0.682 | | | 455.0 | 13.00 | | |
| 80 07 08 0800 | | .3 | 1 | 0.086 | 0.260 | 0.346 | | | 510.0 | 9.40 | | |
| 80 08 05 0805 | | .3 | 1 | 0.062 | 0.560 | 0.622 | | | 580.0 | 2.00 | | |
| 80 09 02 0815 | | .3 | 1 | 0.086 | 0.240 | 0.326 | | | 540.0 | 1.20 | | |
| 80 10 07 0840 | | .3 | 1 | 0.052 | 0.430 | 0.482 | | | 500.0 | 1.40 | | |
| 80 11 04 0840 | | .3 | 1 | 0.166 | 0.340 | 0.506 | | | 510.0 | 4.40 | | 7.90 |
| 80 12 02 0840 | | .3 | 1 | 0.194 | 0.300 | 0.494 | | | 560.0 | 2.80 | | 7.80 |
| MAXIMUM | | | | 0.618 | 0.650 | 1.028 | 17.0 | 390.000 | 730.0 | 22.00 | 48.000 | 7.90 |
| ARITH MEAN | | | | 0.224 | 0.426 | 0.650 | 10.2 | 360.0 | 542.9 | 7.18 | 41.500 | 7.85 |
| GEOM MEAN | | | | 0.140 | 0.407 | 0.605 | 7.7 | 358.7 | 535.7 | 4.77 | 40.988 | 7.85 |
| MINIMUM | | | | 0.032 | 0.240 | 0.326 | 3.5 | 330.0 | 420.0 | 1.20 | 35.000 | 7.80 |
| STD DEV | | | | 0.209 | 0.129 | 0.253 | 9.5 | 42.4 | 94.5 | 6.65 | 9.192 | 0.07 |
| NO OF SAMPLES | | | | 12 | 12 | 12 | 2 | 2 | 12 | 12 | 2 | 2 |

B.O.W./ SITE: **LITTLE CATARAQUI CREEK**
SAMPLE POINT: **AT RESERVOIR OUTLET DAM**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **LITTLE CATARAQUI CREEK**

STATION ID: **12-0002-008-02**
STORET CODE: **02**
**004**
**0010**

LAT: LONG: U T M: **18 0378300.0 4903600.0 4** REGION: **04** DISTANCE: **0.267**

| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE SAMPLE NUMBER | FCMF FECAL COLIFORM MF CNT /100ML | FSMF FECAL STREPCUS MF CNT /100ML | FWTEMP WATER TEMP DEG.C | DO DISOLVED OXYGEN MG/L AS O | BOD5 BOD 5 DAY TOT.DEM. MG/L AS O | PPUT PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR PO4 FIL.REAC MG/L AS P | NNHTFR NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR K'DAHL N TOTAL FIL.TOT. MG/L AS N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 03 03 0830 | | .3 | 1 | 18525 | | | 1.0 | 12.0 | 1.4 | 0.138 | 0.014 | 0.100 | 1.040 |
| 80 04 01 0945 | | .3 | 1 | 18606 | 4< | | 6.0 | 13.0 | 1.1 | 0.030 | 0.010 | 0.040 | 0.480 |
| 80 05 05 0800 | | .3 | 1 | 18534 | 4< | 8 | 14.0 | 11.0 | 0.8 | 0.028 | 0.002 | 0.020 | 0.440 |
| 80 06 02 0945 | | .3 | 1 | 18543 | 4< | 4< | 13.0 | 9.0 | 3.0 | 0.080 | 0.004 | 0.020 | 0.880 |
| 80 07 08 0925 | | .3 | 1 | 18552 | 4< | 12 | 20.0 | 5.0 | 1.5 | 0.058 | 0.008 | 0.06 | 0.94 |
| 80 08 05 0930 | | .3 | 1 | 18561 | 4< | 4< | 24.0 | 6.0 | 2.8 | 0.086 | 0.024 | 0.210 | 1.300 |
| 80 09 02 0935 | | .3 | 1 | 18570 | 12 | 4< | 23.0 | 5.0 | 1.0 | 0.050 | 0.012 | 0.150 | 1.000 |
| 80 10 07 0800 | | .3 | 1 | 18579 | | | 12.0 | 4.0 | 1.4 | 0.002< | 0.002 | 0.040 | 0.290 |
| 80 11 04 0755 | | .3 | 1 | 18588 | 4< | 4< | 5.0 | 3.0 | 0.1 | 0.020 | 0.006 | 0.010 | 0.350 |
| 80 12 02 0800 | | .3 | 1 | 18597 | 4 | 16 | 3.0 | 5.0 | 0.7 | 0.038 | 0.014 | 0.020 | 0.370 |
| MAXIMUM | | | | | 12 | 16 | 24.0 | 13.0 | 3.0 | 0.138 | 0.024 | 0.210 | 1.300 |
| ARITH MEAN | | | | | 6L | 7L | 12.1 | 7.3 | 1.4 | 0.053L | 0.010 | 0.06 | 0.70 |
| GEOM MEAN | | | | | 6L | 6L | 8.6 | 6.5 | 1.0 | 0.038L | 0.007 | 0.04 | 0.62 |
| MINIMUM | | | | | 4< | 4< | 1.0 | 3.0 | 0.1 | 0.002< | 0.002 | 0.010 | 0.290 |
| STD DEV | | | | | 3L | 5L | 8.3 | 3.6 | 0.9 | 0.040L | 0.007 | 0.06 | 0.36 |
| NO OF SAMPLES | | | | | 8 | 7 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NNO2FR NO2-N FIL.REAC MG/L AS N | NNO3FR NO3-N FIL.REAC MG/L AS N | NNTIFR ORG N TOTAL FIL.REAC MG/L | NNKUR KJELDAHL ORGANIC UNF.REAC MG/L | NNKI TOTAL N MG/L AS N | COND25 CONDUCT. 25C UMHO/CM AT 25 C | TURB TURB'ITY FTU | CLIDUR CHLORIDE UNF.REAC MG/L AS CL | PH PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 03 03 0830 | | .3 | 1 | 0.008 | 0.030 | 0.138 | 0.940 | 1.078 | 640.0 | 2.50 | 21.000 | |
| 80 04 01 0945 | | .3 | 1 | 0.016 | 0.380 | 0.436 | 0.440 | 0.876 | 320.0 | 3.50 | 12.000 | |
| 80 05 05 0800 | | .3 | 1 | 0.002 | 0.020< | 0.042 | 0.420 | 0.462 | 295.0 | 3.70 | 8.000 | |
| 80 06 02 0945 | | .3 | 1 | 0.002 | 0.020< | 0.042 | 0.860 | 0.902 | 285.0 | 3.80 | 13.000 | |
| 80 07 08 0925 | | .3 | 1 | 0.002 | 0.02 < | 0.082 | 0.880 | 0.962 | 295 | 3.6 | 16.0 | |
| 80 08 05 0930 | | .3 | 1 | 0.002< | 0.020< | 0.232 | 1.090 | 1.322 | 375.0 | 2.50 | 18.500 | |
| 80 09 02 0935 | | .3 | 1 | 0.002< | 0.020< | 0.172 | 0.850 | 1.022 | 355.0 | 1.60 | 18.500 | |
| 80 10 07 0800 | | .3 | 1 | 0.002 | 0.020< | 0.062 | 0.250 | 0.312 | 355.0 | 1.20 | 21.000 | |
| 80 11 04 0755 | | .3 | 1 | 0.016 | 0.210 | 0.236 | 0.340 | 0.576 | 405.0 | 5.00 | 15.000 | 8.10 |
| 80 12 02 0800 | | .3 | 1 | 0.004 | 0.140 | 0.164 | 0.350 | 0.514 | 470.0 | 4.70 | 13.000 | 7.90 |
| MAXIMUM | | | | 0.016 | 0.380 | 0.436 | 1.090 | 1.322 | 640.0 | 5.00 | 21.000 | 8.10 |
| ARITH MEAN | | | | 0.006L | 0.08 L | 0.161 | 0.642 | 0.803 | 379 | 3.2 | 15.6 | 8.00 |
| GEOM MEAN | | | | 0.004L | 0.04 L | 0.124 | 0.570 | 0.737 | 368 | 2.9 | 15.0 | 8.00 |
| MINIMUM | | | | 0.002< | 0.020< | 0.042 | 0.250 | 0.312 | 285.0 | 1.20 | 8.000 | 7.90 |
| STD DEV | | | | 0.006L | 0.12 L | 0.121 | 0.309 | 0.321 | 107 | 1.2 | 4.2 | 0.14 |
| NO OF SAMPLES | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 2 |

B.O.W./ SITE: **CATARAQUI RIVER**
SAMPLE POINT: **HIGHWAY 2, KINGSTON (CENTRE)**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **ST. LAWRENCE RIVER**
TERM STREAM: **CATARAQUI RIVER**

STATION ID: **12-0004-001-02**
STORET CODE: **02**
**005**
**1770**

LAT: LONG: U T M: **18 0382200.0 4890750.0 4** REGION: **04** DISTANCE: **0.806**

| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE SAMPLE NUMBER | FWTEMP WATER TEMP DEG.C | DO DISOLVED OXYGEN MG/L AS O | PPUT PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR PO4 FIL.REAC MG/L AS P | NNHTFR NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR NO2-N FIL.REAC MG/L AS N | NNO3FR NO3-N FIL.REAC MG/L AS N | NNTIFR ORG N TOTAL FIL.REAC MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 02 04 1000 | | .3 | 1 | 18520 | 2.0 | 13.0 | 0.022 | 0.004 | 0.010 | 0.300 | 0.002 | 0.140 | 0.152 |
| 80 03 03 1330 | | .3 | 1 | 18533 | 2.0 | 15.0 | 0.016 | 0.002 | 0.010 | 0.330 | 0.004 | 0.240 | 0.254 |
| 80 04 01 1300 | | .3 | 1 | 18614 | 5.0 | 12.0 | 0.034 | 0.006 | 0.020 | 0.550 | 0.008 | 0.290 | 0.318 |
| 80 05 05 1145 | | .3 | 1 | 18542 | 13.0 | 7.0 | 0.036 | 0.002 | 0.070 | 0.630 | 0.004 | 0.040 | 0.114 |
| 80 06 02 1100 | | .3 | 1 | 18551 | 15.0 | 8.0 | 0.026 | 0.006 | 0.030 | 0.390 | 0.004 | 0.080 | 0.114 |
| 80 07 08 1025 | | .3 | 1 | 18560 | 18.0 | 5.0 | 0.012 | 0.008 | 0.070 | 0.100 | 0.020 | 0.120 | 0.210 |
| 80 08 05 1200 | | .3 | 1 | 18569 | 24.0 | 9.0 | 0.044 | 0.010 | 0.210 | 0.800 | 0.002< | 0.020< | 0.232 |
| 80 09 02 1055 | | .3 | 1 | 18578 | 23.0 | 7.0 | 0.058 | 0.016 | 0.200 | 0.620 | 0.010 | 0.020< | 0.230 |
| 80 10 07 0955 | | .3 | 1 | 18587 | 12.0 | 8.0 | 0.050 | 0.002 | 0.050 | 0.770 | 0.008 | 0.030 | 0.088 |

B.O.W / SITE **CATARAQUI RIVER**
SAMPLE POINT **HIGHWAY 2, KINGSTON (CENTRE)**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **ST. LAWRENCE RIVER**
TERM STREAM **CATARAQUI RIVER**

STATION ID. **12-0004-001-02**
STORET CODE. **02**
**005**
**1770**

LAT. LONG. U T M. **18 0382200.0 4890750.0 4** REGION. **04** DISTANCE: **0.805**

| TEST-NAME: | | | | | SAMPLE | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L |
| 80 11 04 0950 | | | 3 | 1 | 18596 | 7.0 | 5.0 | 0.060 | 0.004 | 0.020 | 0.460 | 0.004 | 0.100 | 0.124 |
| 80 12 02 1000 | | | 3 | 1 | 18605 | 3.0 | 3.0 | 0.032 | 0.004 | 0.050 | 0.470 | 0.004 | 0.140 | 0.194 |
| MAXIMUM | | | | | | 24.0 | 15.0 | 0.060 | 0.016 | 0.210 | 0.800 | 0.020 | 0.290 | 0.318 |
| ARITH MEAN | | | | | | 11.3 | 8.4 | 0.035 | 0.006 | 0.067 | 0.493 | 0.006L | 0.111L | 0.185 |
| GEOM MEAN | | | | | | 8.1 | 7.6 | 0.032 | 0.005 | 0.041 | 0.437 | 0.005L | 0.078L | 0.172 |
| MINIMUM | | | | | | 2.0 | 3.0 | 0.012 | 0.002 | 0.010 | 0.100 | 0.002< | 0.020< | 0.068 |
| STD DEV | | | | | | 8.1 | 3.7 | 0.016 | 0.004 | 0.071 | 0.210 | 0.005L | 0.089L | 0.072 |
| NO OF SAMPLES | | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | NNKUR | NNKI | COND25 | TURB | PH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | PH |
| 80 02 04 1000 | | | 3 | 1 | 0.290 | 0.442 | 270.0 | 1.20 | |
| 80 03 03 1330 | | | 3 | 1 | 0.320 | 0.574 | 305.0 | 0.84 | |
| 80 04 01 1300 | | | 3 | 1 | 0.530 | 0.848 | 205.0 | 8.00 | |
| 80 05 05 1145 | | | 3 | 1 | 0.560 | 0.674 | 220.0 | 3.40 | |
| 80 06 02 1100 | | | 3 | 1 | 0.360 | 0.474 | 260.0 | 2.80 | |
| 80 07 08 1025 | | | 3 | 1 | 0.030 | 0.240 | 310.0 | 3.10 | |
| 80 08 05 1200 | | | 3 | 1 | 0.590 | 0.822 | 275.0 | 2.70 | |
| 80 09 02 1055 | | | 3 | 1 | 0.420 | 0.650 | 215.0 | 3.00 | |
| 80 10 07 0955 | | | 3 | 1 | 0.720 | 0.808 | 210.0 | 1.50 | |
| 80 11 04 0950 | | | 3 | 1 | 0.440 | 0.564 | 260.0 | 11.00 | 7.90 |
| 80 12 02 1000 | | | 3 | 1 | 0.420 | 0.614 | 270.0 | 2.90 | 7.90 |
| MAXIMUM | | | | | 0.720 | 0.848 | 310.0 | 11.00 | 7.90 |
| ARITH MEAN | | | | | 0.425 | 0.610 | 254.5 | 3.68 | 7.90 |
| GEOM MEAN | | | | | 0.351 | 0.579 | 252.1 | 2.83 | 7.90 |
| MINIMUM | | | | | 0.030 | 0.240 | 205.0 | 0.84 | 7.90 |
| STD DEV | | | | | 0.183 | 0.183 | 37.1 | 3.07 | 0.00 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 2 |

B.O.W / SITE **CATARAQUI RIVER**
SAMPLE POINT **AT DAM, KINGSTON MILLS**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **ST. LAWRENCE RIVER**
TERM STREAM **CATARAQUI RIVER**

STATION ID: **12-0004-002-02**
STORET CODE: **02**
**005**
**1770**

LAT. LONG. U T M. **18 0385025.0 4905300.0 4** REGION: **04** DISTANCE: **8.207**

| TEST-NAME: | | | | | SAMPLE | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TCT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N |
| 80 01 07 1245 | | | 3 | 1 | 18508 | | | 3.0 | 11.0 | 1.0 | 0.012 | 0.002< | 0.020 | 0.470 |
| 80 02 04 1215 | | | 3 | 1 | 18519 | | | 1.0 | 14.0 | 1.2 | 0.014 | 0.004 | 0.020 | 0.420 |
| 80 03 03 1245 | | | 3 | 1 | 18529 | | | 1.0 | 13.0 | 0.1 | 0.014 | 0.002 | 0.020 | 0.410 |
| 80 04 01 1330 | | | 3 | 1 | 18610 | 4< | | 5.0 | 4.0 | 1.2 | 0.046 | 0.008 | 0.030 | 0.480 |
| 80 05 05 1455 | | | 3 | 1 | 18538 | 4< | 4< | 14.0 | 9.0 | 0.9 | 0.030 | 0.002 | 0.040 | 0.570 |
| 80 06 02 1355 | | | 3 | 1 | 18547 | 4 | 32 | 18.0 | 8.0 | 0.9 | 0.046 | 0.006 | 0.040 | 0.610 |
| 80 07 08 1335 | | | 3 | 1 | 18556 | 4< | 36 | 21.0 | 7.0 | 0.4 | 0.036 | 0.012 | 0.07 | 0.53 |
| 80 08 05 1345 | | | 3 | 1 | 18565 | 4< | 4< | 22.0 | 8.0 | 3.0 | 0.058 | 0.008 | 0.200 | 1.100 |
| 80 09 02 1415 | | | 3 | 1 | 18574 | 4 | 60 | 23.0 | 6.0 | 2.5 | 0.094 | 0.036 | 0.310 | 1.350 |
| 80 10 07 1310 | | | 3 | 1 | 18583 | | | 13.0 | 5.0 | 1.4 | 0.046 | 0.002 | 0.040 | 1.120 |
| 80 11 04 1230 | | | 3 | 1 | 18592 | 12 | 8 | 6.0 | 4.0 | 0.1< | 0.020 | 0.008 | 0.030 | 0.430 |
| 80 12 02 1250 | | | 3 | 1 | 18601 | 16 | 4 | 3.0 | 5.0 | 0.5 | 0.024 | 0.002 | 0.040 | 0.440 |
| MAXIMUM | | | | | | 16 | 60 | 23.0 | 14.0 | 3.0 | 0.094 | 0.036 | 0.310 | 1.350 |
| ARITH MEAN | | | | | | 6L | 21L | 10.8 | 7.8 | 1.1L | 0.037 | 0.008L | 0.07 | 0.66 |
| GEOM MEAN | | | | | | 5L | 12L | 6.8 | 7.2 | 0.7L | 0.030 | 0.005L | 0.04 | 0.60 |
| MINIMUM | | | | | | 4< | 4< | 1.0 | 4.0 | 0.1< | 0.012 | 0.002< | 0.020 | 0.410 |
| STD DEV | | | | | | 5L | 22L | 8.6 | 3.4 | 0.9L | 0.024 | 0.010L | 0.09 | 0.33 |
| NO OF SAMPLES | | | | | | 8 | 7 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 01 07 1245 | | | 3 | 1 | 0.006 | 0.130 | 0.156 | 0.450 | 0.606 | 3.0 | 150.000 | 230.0 | 2.30 | 7.000 |
| 80 02 04 1215 | | | 3 | 1 | 0.002 | 0.040 | 0.062 | 0.400 | 0.462 | 2.4 | 143.000 | 220.0 | 1.40 | 6.500 |
| 80 03 03 1245 | | | 3 | 1 | 0.004 | 0.040 | 0.064 | 0.390 | 0.454 | | | 225.0 | 1.20 | 6.300 |
| 80 04 01 1330 | | | 3 | 1 | 0.010 | 0.290 | 0.330 | 0.450 | 0.780 | | | 180.0 | 9.00 | 7.500 |
| 80 05 05 1455 | | | 3 | 1 | 0.002 | 0.020< | 0.062 | 0.530 | 0.592 | | | 190.0 | 2.90 | 5.300 |
| 80 06 02 1355 | | | 3 | 1 | 0.002 | 0.020< | 0.062 | 0.570 | 0.632 | | | 195.0 | 5.00 | 5.000 |
| 80 07 08 1335 | | | 3 | 1 | 0.002 | 0.04 | 0.112 | 0.460 | 0.572 | | | 180 | 2.3 | 5.5 |
| 80 08 05 1345 | | | 3 | 1 | 0.002< | 0.020< | 0.222 | 0.900 | 1.122 | | | 155.0 | 3.20 | 6.000 |
| 80 09 02 1415 | | | 3 | 1 | 0.002< | 0.020< | 0.332 | 1.040 | 1.372 | | | 150.0 | 3.30 | 5.800 |
| 80 10 07 1310 | | | 3 | 1 | 0.002 | 0.020 | 0.062 | 1.080 | 1.142 | | | 180.0 | 2.50 | 3.500 |
| 80 11 04 1230 | | | 3 | 1 | 0.006 | 0.030 | 0.066 | 0.400 | 0.466 | | | 200.0 | 4.20 | 7.800 |
| 80 12 02 1250 | | | 3 | 1 | 0.004 | 0.080 | 0.124 | 0.400 | 0.524 | | | 225.0 | 1.20 | 6.800 |
| MAXIMUM | | | | | 0.010 | 0.290 | 0.332 | 1.080 | 1.372 | 3.0 | 150.000 | 230.0 | 9.00 | 7.800 |
| ARITH MEAN | | | | | 0.004L | 0.08 L | 0.138 | 0.589 | 0.727 | 2.7 | 146.500 | 194 | 3.2 | 6.0 |
| GEOM MEAN | | | | | 0.003L | 0.04 L | 0.110 | 0.547 | 0.676 | 2.7 | 146.468 | 192 | 2.7 | 5.9 |
| MINIMUM | | | | | 0.002< | 0.020< | 0.062 | 0.390 | 0.454 | 2.4 | 143.000 | 150.0 | 1.20 | 3.500 |
| STD DEV | | | | | 0.003L | 0.07 L | 0.103 | 0.261 | 0.311 | 0.4 | 4.950 | 27 | 2.1 | 1.1 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 2 | 2 | 12 | 12 | 12 |

(CONTD)

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TEST-NAME: PH<br>PH |
|---|---|---|---|---|---|
| 80 11 04 1230 | | | .3 | 1 | 8.10 |
| 80 12 02 1250 | | | .3 | 1 | 7.90 |
| | | | MAXIMUM | | 8.10 |
| | | | ARITH MEAN | | 8.00 |
| | | | GEOM MEAN | | 8.00 |
| | | | MINIMUM | | 7.90 |
| | | | STD DEV | | 0.14 |
| | | | NO OF SAMPLES | | 2 |

|  |  |  |
|---|---|---|
| BOW / SITE **GANANOQUE RIVER**<br>SAMPLE POINT **AT RR TRESTLE CANADIAN STEEL GANANOQUE**<br>STATION TYPE: **RIVER** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **ST. LAWRENCE RIVER**<br>TERM STREAM: **GANANOQUE RIVER** | STATION ID **12-0017-001-02**<br>STORET CODE: **02**<br>**005**<br>**1200** |
| LAT: LONG: | U T M: **18 0406850.0 4908850.0 4** | REGION: **04** DISTANCE: **[illegible]** |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE<br>SAMPLE NUMBER | FCMF<br>FECAL COLIFORM MF CNT /100ML | FSMF<br>FECAL STREPCUS MF CNT /100ML | FWTEMP<br>WATER TEMP DEG.C | DO<br>DISOLVED OXYGEN MG/L AS O | BOD5<br>BOD 5 DAY TOT.DEM. MG/L AS O | PPUT<br>PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR<br>PO4 FIL.REAC MG/L AS P | NNHTFR<br>NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR<br>K'DAHL N TOTAL FIL.TOT. MG/L AS N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 08 0820 | | | .3 | 1 | 18512 | | | 0.0 | 6.0 | 0.9 | 0.022 | 0.012 | 0.040 | 0.350 |
| 80 02 04 1315 | | | .3 | 1 | 18521 | | | 0.0 | 15.0 | 2.2 | 0.022 | 0.008 | 0.030 | 0.290 |
| 80 03 04 1000 | | | .3 | 1 | 18531 | | | 3.0 | 14.0 | 0.1 | 0.022 | 0.014 | 0.050 | 0.430 |
| 80 04 02 1030 | | | .3 | 1 | 18612 | 56 | | 4.0 | 12.0 | 0.8 | 0.036 | 0.008 | 0.010< | 0.500 |
| 80 05 05 1215 | | | .3 | 1 | 18540 | 112 | 16 | 13.0 | 5.0 | 0.7 | 0.034 | 0.006 | 0.030 | 0.410 |
| 80 06 02 1135 | | | .3 | 1 | 18549 | 32 | 16 | 19.0 | 7.0 | 1.0 | 0.102 | 0.070 | 0.110 | 0.640 |
| 80 07 08 1105 | | | .3 | 1 | 18558 | 20 | 12 | 22.0 | 6.0 | 0.8 | 0.052 | 0.058 | 0.11 | 0.36 |
| 80 08 05 1115 | | | .3 | 1 | 18567 | 20 | 12 | 24.0 | 5.0 | 1.6 | 0.090 | 0.036 | 0.090 | 0.610 |
| 80 09 02 1130 | | | .3 | 1 | 18576 | 1720 | 480 | 23.0 | 5.0 | 1.2 | 0.176 | 0.146 | 0.150 | 0.630 |
| 80 10 07 1030 | | | .3 | 1 | 18585 | | | 13.0 | 7.0 | 0.6 | 0.054 | 0.014 | 0.020 | 0.580 |
| 80 11 04 1020 | | | .3 | 1 | 18594 | 24 | 60 | 5.0 | 5.0 | 0.1< | 0.056 | 0.032 | 0.040 | 0.590 |
| 80 12 02 1030 | | | .3 | 1 | 18603 | 800 | 248 | 3.0 | 5.0 | 0.5 | 0.040 | 0.016 | 0.020 | 0.410 |
| | | | MAXIMUM | | | 1720 | 480 | 24.0 | 15.0 | 2.2 | 0.176 | 0.146 | 0.150 | 0.640 |
| | | | ARITH MEAN | | | 348 | 121 | 10.7 | 7.7 | 0.9L | 0.069 | 0.035 | 0.05 L | 0.48 |
| | | | GEOM MEAN | | | 85 | 43 | 6.8 | 7.0 | 0.6L | 0.048 | 0.022 | 0.04 L | 0.46 |
| | | | MINIMUM | | | 20 | 12 | 0.0 | 5.0 | 0.1< | 0.022 | 0.006 | 0.010< | 0.290 |
| | | | STD DEV | | | 615 | 180 | 9.3 | 3.7 | 0.6L | 0.046 | 0.041 | 0.04 L | 0.12 |
| | | | NO OF SAMPLES | | | 8 | 7 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NNO2FR<br>NO2-N FIL.REAC MG/L AS N | NNO3FR<br>NO3-N FIL.REAC MG/L AS N | NNTIFR<br>ORG N TOTAL FIL.REAC MG/L | NNKUR<br>KJELDAHL ORGANIC UNF.REAC MG/L | NNKI<br>TOTAL N MG/L AS N | RSP<br>RESIDUE PARTIC. MG/L | RSF<br>RESIDUE FILTERED MG/L | COND25<br>CONDUCT. 25C UMHO/CM AT 25 C | TURB<br>TURB'ITY FTU | CLIDUR<br>CHLORIDE UNF.REAC MG/L AS CL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 08 0820 | | | .3 | 1 | 0.008 | 0.050 | 0.098 | 0.310 | 0.408 | 3.0 | 169.000 | 260.0 | 2.00 | 7.800 |
| 80 02 04 1315 | | | .3 | 1 | 0.004 | 0.060 | 0.094 | 0.260 | 0.354 | 1.0 | 172.000 | 265.0 | 1.30 | 7.500 |
| 80 03 04 1000 | | | .3 | 1 | 0.004 | 0.060 | 0.114 | 0.380 | 0.494 | | | 250.0 | 1.30 | 7.000 |
| 80 04 02 1030 | | | .3 | 1 | 0.004 | 0.140 | 0.154 | 0.490 | 0.644 | | | 235.0 | 4.30 | 6.500 |
| 80 05 05 1215 | | | .3 | 1 | 0.002 | 0.020< | 0.052 | 0.380 | 0.432 | | | 225.0 | 1.60 | 5.800 |
| 80 06 02 1135 | | | .3 | 1 | 0.014 | 0.030 | 0.154 | 0.530 | 0.684 | | | 255.0 | 1.50 | 8.500 |
| 80 07 08 1105 | | | .3 | 1 | 0.002 | 0.02 | 0.132 | 0.250 | 0.382 | | | 230 | 1.1 | 1.3 |
| 80 08 05 1115 | | | .3 | 1 | 0.010 | 0.030 | 0.130 | 0.520 | 0.650 | | | 225.0 | 1.00 | 6.300 |
| 80 09 02 1130 | | | .3 | 1 | 0.042 | 0.080 | 0.272 | 0.480 | 0.752 | | | 245.0 | 1.70 | 9.300 |
| 80 10 07 1030 | | | .3 | 1 | 0.010 | 0.070 | 0.100 | 0.560 | 0.660 | | | 250.0 | 1.30 | 7.300 |
| 80 11 04 1020 | | | .3 | 1 | 0.012 | 0.070 | 0.122 | 0.550 | 0.672 | | | 230.0 | 5.20 | 8.000 |
| 80 12 02 1030 | | | .3 | 1 | 0.006 | 0.090 | 0.116 | 0.390 | 0.506 | | | 260.0 | 3.40 | 7.500 |
| | | | MAXIMUM | | 0.042 | 0.140 | 0.272 | 0.580 | 0.752 | 3.0 | 172.000 | 265.0 | 5.20 | 9.300 |
| | | | ARITH MEAN | | 0.010 | 0.06 L | 0.128 | 0.425 | 0.553 | 2.0 | 170.500 | 244 | 2.1 | 6.9 |
| | | | GEOM MEAN | | 0.007 | 0.06 L | 0.120 | 0.410 | 0.537 | 1.7 | 170.493 | 243 | 1.8 | 6.3 |
| | | | MINIMUM | | 0.002 | 0.020< | 0.052 | 0.250 | 0.354 | 1.0 | 169.000 | 225.0 | 1.00 | 1.3 |
| | | | STD DEV | | 0.011 | 0.03 L | 0.053 | 0.112 | 0.138 | 1.4 | 2.121 | 14 | 1.3 | 2.0 |
| | | | NO OF SAMPLES | | 12 | 12 | 12 | 12 | 12 | 2 | 2 | 12 | 12 | 12 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TEST-NAME: PH<br>PH |
|---|---|---|---|---|---|
| 80 11 04 1020 | | | .3 | 1 | 7.80 |
| 80 12 02 1030 | | | .3 | 1 | 7.90 |
| | | | MAXIMUM | | 7.90 |
| | | | ARITH MEAN | | 7.85 |
| | | | GEOM MEAN | | 7.85 |
| | | | MINIMUM | | 7.80 |
| | | | STD DEV | | 0.07 |
| | | | NO OF SAMPLES | | 2 |

B.O.W./SITE: **GANANOQUE RIVER**
SAMPLE POINT: **HIGHWAY 32, 2 MILES NORTH OF HIGHWAY 401**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **ST. LAWRENCE RIVER**
TERM STREAM: **GANANOQUE RIVER**

STATION ID: **12-0017-004-02**
STORET CODE: **02**
**005**
**1280**

LAT
LONG
U.T.M. **18 0405150.0 4912400.0 4**
REGION: **04**
DISTANCE: **6.115**

| TEST-NAME: | | | | | SAMPLE | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 01 08 0845 | | | .3 | 1 | 18513 | 0.0 | 6.0 | 1.0 | 0.020 | 0.018 | 0.040 | 0.390 | 0.004 | 0.060 |
| 80 02 04 1245 | | | .3 | 1 | 18522 | 0.0 | 13.0 | 2.3 | 0.026 | 0.002< | 0.030 | 1.250 | 0.002 | 0.040 |
| 80 03 04 1030 | | | .3 | 1 | 18530 | 0.0 | 14.0 | | 0.006 | 0.002< | 0.070 | 0.610 | 0.004 | 0.060 |
| 80 04 02 1700 | | | .3 | 1 | 18611 | 6.0 | 10.0 | | 0.034 | 0.004 | 0.010< | 0.500 | 0.004 | 0.120 |
| 80 05 05 1415 | | | .3 | 1 | 18539 | 14.0 | 7.0 | | 0.026 | 0.002 | 0.020 | 0.420 | 0.002 | 0.020< |
| 80 06 02 1330 | | | .3 | 1 | 18548 | 18.0 | 6.0 | | 0.070 | 0.016 | 0.030 | 1.020 | 0.002 | 0.020< |
| 80 07 08 1300 | | | .3 | 1 | 18557 | 22.0 | 5.0 | | 0.046 | 0.018 | 0.060 | 0.430 | 0.004 | 0.020< |
| 80 08 05 1315 | | | .3 | 1 | 18566 | 25.0 | 6.0 | | 0.036 | 0.022 | 0.070 | 0.520 | 0.002 | 0.020< |
| 80 09 02 1345 | | | .3 | 1 | 18575 | 23.0 | 6.0 | | 0.042 | 0.022 | 0.060 | 0.530 | 0.006 | 0.020< |
| 80 10 07 1240 | | | .3 | 1 | 18584 | 13.0 | 5.0 | | 0.026 | 0.002 | 0.040 | 0.520 | 0.004 | 0.040 |
| 80 11 04 1205 | | | .3 | 1 | 18593 | 6.0 | 6.0 | | 0.060 | 0.026 | 0.030 | 0.560 | 0.008 | 0.090 |
| 80 12 02 1230 | | | .3 | 1 | 18602 | 4.0 | 6.0 | | 0.038 | 0.012 | 0.030 | 0.380 | 0.004 | 0.080 |
| MAXIMUM | | | | | | 25.0 | 14.0 | 2.3 | 0.070 | 0.026 | 0.070 | 1.250 | 0.008 | 0.120 |
| ARITH MEAN | | | | | | 10.9 | 7.5 | 1.6 | 0.036 | 0.012L | 0.041L | 0.594 | 0.004 | 0.049L |
| GEOM MEAN | | | | | | 6.5 | 7.0 | 1.5 | 0.031 | 0.008L | 0.036L | 0.554 | 0.003 | 0.040L |
| MINIMUM | | | | | | 0.0 | 5.0 | 1.0 | 0.006 | 0.002< | 0.010< | 0.380 | 0.002 | 0.020< |
| STD DEV | | | | | | 9.5 | 3.1 | 0.9 | 0.017 | 0.009L | 0.020L | 0.267 | 0.002 | 0.033L |
| NO OF SAMPLES | | | | | | 12 | 12 | 2 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 08 0845 | | | .3 | 1 | 0.104 | 0.350 | 0.454 | 2.0 | 163.000 | 250.0 | 1.70 | 7.200 | |
| 80 02 04 1245 | | | .3 | 1 | 0.072 | 1.220 | 1.292 | 3.0 | 169.000 | 260.0 | 1.50 | 8.000 | |
| 80 03 04 1030 | | | .3 | 1 | 0.134 | 0.540 | 0.674 | | | 260.0 | 1.60 | | |
| 80 04 02 1700 | | | .3 | 1 | 0.134 | 0.490 | 0.624 | | | 230.0 | 3.10 | | |
| 80 05 05 1415 | | | .3 | 1 | 0.042 | 0.400 | 0.442 | | | 220.0 | 1.20 | | |
| 80 06 02 1330 | | | .3 | 1 | 0.052 | 0.990 | 1.042 | | | 235.0 | 1.90 | | |
| 80 07 08 1300 | | | .3 | 1 | 0.084 | 0.370 | 0.454 | | | 220.0 | 1.10 | | |
| 80 08 05 1315 | | | .3 | 1 | 0.092 | 0.450 | 0.542 | | | 220.0 | 0.61 | | |
| 80 09 02 1345 | | | .3 | 1 | 0.086 | 0.470 | 0.556 | | | 220.0 | 0.80 | | |
| 80 10 07 1240 | | | .3 | 1 | 0.084 | 0.480 | 0.564 | | | 220.0 | 0.60 | | |
| 80 11 04 1205 | | | .3 | 1 | 0.128 | 0.530 | 0.658 | | | 195.0 | 16.00 | | 7.70 |
| 80 12 02 1230 | | | .3 | 1 | 0.114 | 0.350 | 0.464 | | | 245.0 | 4.30 | | 7.80 |
| MAXIMUM | | | | | 0.134 | 1.220 | 1.292 | 3.0 | 169.000 | 260.0 | 16.00 | 8.000 | 7.80 |
| ARITH MEAN | | | | | 0.094 | 0.553 | 0.647 | 2.5 | 166.000 | 231.2 | 2.87 | 7.600 | 7.75 |
| GEOM MEAN | | | | | 0.089 | 0.510 | 0.610 | 2.4 | 165.973 | 230.5 | 1.71 | 7.589 | 7.75 |
| MINIMUM | | | | | 0.042 | 0.350 | 0.442 | 2.0 | 163.000 | 195.0 | 0.60 | 7.200 | 7.70 |
| STD DEV | | | | | 0.030 | 0.270 | 0.261 | 0.7 | 4.243 | 19.4 | 4.27 | 0.566 | 0.07 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 2 | 2 | 12 | 12 | 2 | 2 |

B.O.W./SITE: **BUTLERS CREEK**
SAMPLE POINT: **HIGHWAY 2, BROCKVILLE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **ST. LAWRENCE RIVER**
TERM STREAM: **BUTLERS CREEK**

STATION ID: **12-0034-001-02**
STORET CODE: **02**
**005**
**0840**

LAT
LONG
U.T.M. **18 0445100.0 4936980.0 4**
REGION: **04**
DISTANCE: **0.483**

| TEST-NAME: | | | | | SAMPLE | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L |
| 80 02 04 1410 | | | .3 | 1 | 18524 | 4.0 | 14.0 | 0.130 | 0.058 | 0.240 | 1.400 | 0.020 | 0.380 | 0.640 |
| 80 03 04 1130 | | | .3 | 1 | 18532 | 2.0 | 11.0 | 0.300 | 0.184 | 0.340 | 1.250 | 0.014 | 0.310 | 0.664 |
| 80 04 02 1200 | | | .3 | 1 | 18613 | 6.0 | 11.0 | 0.078 | 0.044 | 0.070 | 0.790 | 0.014 | 0.570 | 0.654 |
| 80 05 05 1315 | | | .3 | 1 | 18541 | 15.0 | 5.0 | 0.112 | 0.076 | 0.070 | 0.740 | 0.014 | 0.220 | 0.304 |
| 80 06 02 1240 | | | .3 | 1 | 18550 | 18.0 | 7.0 | 0.142 | 0.072 | 0.200 | 1.040 | 0.042 | 0.440 | 0.682 |
| 80 07 08 1210 | | | .3 | 1 | 18559 | 18.0 | 6.0 | 0.640 | 0.098 | 0.250 | 2.000 | 0.106 | 0.730 | 1.086 |
| 80 08 05 1215 | | | .3 | 1 | 18568 | 22.0 | 4.0 | 8.200 | 2.200 | 0.220 | 2.750 | 0.320 | 0.640 | 1.180 |
| 80 09 02 1255 | | | .3 | 1 | 18577 | 21.0 | 5.0 | 0.144 | 0.092 | 0.240 | 0.450 | 0.060 | 0.260 | 0.560 |
| 80 10 07 1130 | | | .3 | 1 | 18586 | 16.0 | 4.0 | 0.156 | 0.084 | 0.210 | 0.810 | 0.016 | 0.420 | 0.646 |
| 80 11 04 1110 | | | .3 | 1 | 18595 | 9.0 | 4.0 | 0.094 | 0.048 | 0.080 | 0.880 | 0.010 | 0.310 | 0.400 |
| 80 12 02 1135 | | | .3 | 1 | 18604 | 5.0 | 5.0 | 0.082 | 0.034 | 0.060 | 0.620 | 0.014 | 0.870 | 0.944 |
| MAXIMUM | | | | | | 22.0 | 14.0 | 8.200 | 2.200 | 0.340 | 2.750 | 0.320 | 0.870 | 1.180 |
| ARITH MEAN | | | | | | 12.4 | 6.9 | 0.916 | 0.272 | 0.180 | 1.157 | 0.067 | 0.468 | 0.705 |
| GEOM MEAN | | | | | | 9.8 | 6.3 | 0.214 | 0.097 | 0.153 | 1.014 | 0.029 | 0.429 | 0.658 |
| MINIMUM | | | | | | 2.0 | 4.0 | 0.078 | 0.034 | 0.060 | 0.450 | 0.010 | 0.220 | 0.304 |
| STD DEV | | | | | | 7.3 | 3.5 | 2.421 | 0.641 | 0.094 | 0.680 | 0.092 | 0.209 | 0.267 |
| NO OF SAMPLES | | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | *NNKUR* KJELDAHL ORGANIC UNF.REAC MG/L | *NNKI* TOTAL N MG/L AS N | *COND25* CONDUCT. 25C UMHO/CM AT 25 C | *TURB* TURB'ITY FTU | *PH* PH |
|---|---|---|---|---|---|---|---|---|---|
| 80 02 04 1410 | | | .3 | 1 | 1.160 | 1.800 | 500.0 | 4.20 | |
| 80 03 04 1130 | | | .3 | 1 | 0.910 | 1.574 | 580.0 | 3.10 | |
| 80 04 02 1200 | | | .3 | 1 | 0.720 | 1.374 | 560.0 | 2.70 | |
| 80 05 05 1315 | | | .3 | 1 | 0.670 | 0.974 | 430.0 | 2.20 | |
| 80 06 02 1240 | | | .3 | 1 | 0.840 | 1.522 | 540.0 | 3.40 | |
| 80 07 08 1210 | | | .3 | 1 | 1.750 | 2.836 | 275.0 | 1.40 | |
| 80 08 05 1215 | | | .3 | 1 | 2.530 | 3.710 | 620.0 | 3.20 | |
| 80 09 02 1255 | | | .3 | 1 | 0.210 | 0.770 | 490.0 | 1.90 | |
| 80 10 07 1130 | | | .3 | 1 | 0.600 | 1.246 | 620.0 | 2.00 | |
| 80 11 04 1110 | | | .3 | 1 | 0.800 | 1.200 | 490.0 | 3.50 | 7.90 |
| 80 12 02 1135 | | | .3 | 1 | 0.560 | 1.504 | 610.0 | 8.00 | 7.80 |
| MAXIMUM | | | | | **2.530** | **3.710** | **620.0** | **8.00** | **7.90** |
| ARITH MEAN | | | | | **0.977** | **1.683** | **519.5** | **3.24** | **7.85** |
| GEOM MEAN | | | | | **0.816** | **1.527** | **508.2** | **2.91** | **7.85** |
| MINIMUM | | | | | **0.210** | **0.770** | **275.0** | **1.40** | **7.80** |
| STD DEV | | | | | **0.646** | **0.859** | **102.0** | **1.78** | **0.07** |
| NO OF SAMPLES | | | | | **11** | **11** | **11** | **11** | **2** |

B.O.W./ SITE: **RAISIN RIVER**
SAMPLE POINT: **1ST.BEND DOWNSTREAM FROM WILLIAMSTOWN**
STATION TYPE: **RIVER FLOW GAUGE FED 02MC001**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **ST LAWRENCE RIVER**
TERM STREAM: **RAISIN RIVER**

STATION ID: **12-0073-003-02**
STORET CODE: **02**
**005**
**0250**

LAT: LONG: U T M: **18 0533300.0 4998750.0 4** REGION: **04** DISTANCE: **9.486**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | *SAMPLE* SAMPLE NUMBER | *FWSTRC* STREAM COND. | *FWFLOW* STREAM FLOW M3 /S | *FWTEMP* WATER TEMP DEG.C | *DO* DISOLVED OXYGEN MG/L AS O | *PPUT* PHOSPHOR UNF.TOT. MG/L AS P | *PPO4FR* PO4 FIL.REAC MG/L AS P | *NNHTFR* NH3-N TOTAL FIL.REAC MG/L AS N | *NNTKUR* K'DAHL N TOTAL FIL.TOT. MG/L AS N | *NNO2FR* NO2-N FIL.REAC MG/L AS N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 02 11 1030 | | | .3 | 1 | 19317 | | 0.210 | 1.0 | 12.0 | 0.038 | 0.018 | 0.080 | 0.820 | 0.048 |
| 80 03 10 1310 | | | .3 | 1 | 19334 | | 0.145 | 1.0 | 5.0 | 0.106 | 0.102 | 0.170 | 1.000 | 0.086 |
| 80 04 14 1100 | | | .3 | 1 | 19343 | | 28.900 | 5.0 | 8.0 | 0.052 | 0.016 | 0.060 | 1.000 | 0.014 |
| 80 05 13 1130 | | | .3 | 1 | 19353 | | 2.370 | 13.0 | 9.0 | 0.034 | 0.008 | 0.030 | 0.750 | 0.006 |
| 80 06 17 1130 | | | .3 | 1 | 19362 | 7 | 0.323 | 18.0 | 12.0 | 0.054 | 0.004 | 0.230 | 1.550 | 0.006 |
| 80 07 28 1050 | | | .3 | 1 | 19371 | 7 | 0.016 | 23.0 | 12.0 | 0.182 | 0.016 | 0.12 | 1.9 | 0.006 |
| 80 08 18 1030 | | | .3 | 1 | 19380 | 7 | 0.007 | 8.0 | 20.0 | 0.116 | 0.014 | 0.040 | 1.400 | 0.002 |
| 80 09 02 1010 | | | .3 | 1 | 19389 | | 1.420 | 20.0 | 11.0 | 0.070 | 0.030 | 0.070 | 0.690 | 0.048 |
| 80 10 28 1100 | | | .3 | 1 | 19398 | | 6.690 | 4.0 | 11.0 | 0.042 | 0.012 | 0.030 | 0.790 | 0.010 |
| 80 11 17 1115 | | | .3 | 1 | 19407 | | 3.740 | 1.0 | 13.0 | 0.020 | 0.004 | 0.010 | 0.640 | 0.008 |
| 80 12 09 1055 | | | .3 | 1 | 19416 | | 17.600 | 1.0 | 10.0 | 0.056 | 0.036 | 0.030 | 1.040 | 0.012 |
| MAXIMUM | | | | | | | **28.900** | **23.0** | **20.0** | **0.182** | **0.102** | **0.230** | **1.9** | **0.086** |
| ARITH MEAN | | | | | | | **5.584** | **8.6** | **11.2** | **0.070** | **0.024** | **0.07** | **1.0** | **0.022** |
| GEOM MEAN | | | | | | | **0.758** | **4.5** | **10.6** | **0.058** | **0.015** | **0.05** | **0.9** | **0.012** |
| MINIMUM | | | | | | | **0.007** | **1.0** | **5.0** | **0.020** | **0.004** | **0.010** | **0.640** | **0.002** |
| STD DEV | | | | | | | **9.320** | **8.4** | **3.7** | **0.047** | **0.028** | **0.06** | **0.4** | **0.027** |
| NO OF SAMPLES | | | | | | | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | *NNO3FR* NO3-N FIL.REAC MG/L AS N | *NNTIFR* ORG N TOTAL FIL.REAC MG/L | *NNKUR* KJELDAHL ORGANIC UNF.REAC MG/L | *NNKI* TOTAL N MG/L AS N | *COND25* CONDUCT. 25C UMHO/CM AT 25 C | *TURB* TURB'ITY FTU | *PH* PH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 02 11 1030 | | | .3 | 1 | 0.670 | 0.798 | 0.740 | 1.538 | 600.0 | 11.00 | |
| 80 03 10 1310 | | | .3 | 1 | 0.810 | 1.066 | 0.830 | 1.896 | 630.0 | 5.20 | |
| 80 04 14 1100 | | | .3 | 1 | 0.650 | 0.724 | 0.940 | 1.664 | 300.0 | 14.00 | |
| 80 05 13 1130 | | | .3 | 1 | 0.090 | 0.126 | 0.720 | 0.846 | 410.0 | 3.70 | |
| 80 06 17 1130 | | | .3 | 1 | 0.020< | 0.256 | 1.320 | 1.576 | 450.0 | 2.40 | |
| 80 07 28 1050 | | | .3 | 1 | 0.03 | 0.156 | 1.780 | 1.936 | 455 | 2.9 | |
| 80 08 18 1030 | | | .3 | 1 | 0.020< | 0.062 | 1.360 | 1.422 | 435.0 | 4.90 | |
| 80 09 02 1010 | | | .3 | 1 | 1.250 | 1.368 | 0.620 | 1.988 | 360.0 | 15.00 | |
| 80 10 28 1100 | | | .3 | 1 | 0.900 | 0.940 | 0.760 | 1.700 | 500.0 | 8.40 | |
| 80 11 17 1115 | | | .3 | 1 | 0.730 | 0.748 | 0.630 | 1.378 | 500.0 | 13.00 | 7.90 |
| 80 12 09 1055 | | | .3 | 1 | 1.170 | 1.212 | 1.010 | 2.222 | 430.0 | 15.00 | 7.70 |
| MAXIMUM | | | | | **1.250** | **1.368** | **1.780** | **2.222** | **630.0** | **15.00** | **7.90** |
| ARITH MEAN | | | | | **0.57 L** | **0.678** | **0.974** | **1.651** | **460** | **8.6** | **7.80** |
| GEOM MEAN | | | | | **0.26 L** | **0.466** | **0.920** | **1.607** | **451** | **7.1** | **7.80** |
| MINIMUM | | | | | **0.020<** | **0.062** | **0.620** | **0.846** | **300.0** | **2.40** | **7.70** |
| STD DEV | | | | | **0.46 L** | **0.462** | **0.367** | **0.371** | **96** | **5.0** | **0.14** |
| NO OF SAMPLES | | | | | **11** | **11** | **11** | **11** | **11** | **11** | **2** |

| | | |
|---|---|---|
| B O W / SITE **RAISIN RIVER**<br>SAMPLE POINT **1ST.BRIDGE DOWNSTREAM FROM ST.ANDREWS**<br>STATION TYPE **RIVER** | MAJOR BASIN **GREAT LAKES**<br>MINOR BASIN **ST LAWRENCE RIVER**<br>TERM STREAM **RAISIN RIVER** | STATION ID: **12-0073-008-02**<br>STORET CODE: **02**<br>**005**<br>**0250** |
| LAT LONG | U T M: **18 0517850.0 4994950.0 4** | REGION: **04** DISTANCE: **32.669** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | PPUT | PPO4FR | RSP | RSF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L |
| 80 02 12 0915 | | | .3 | 1 | 19324 | 4 | | | 1.0 | 10.0 | 0.124 | 0.018 | 65.0 | 450.0 |
| 80 03 10 1130 | | | .3 | 1 | 19331 | 4 | | | 1.0 | 8.0 | 0.054 | 0.024 | 8.00 | 230.00 |
| 80 04 14 0910 | | | .3 | 1 | 19340 | | | | 4.0 | 11.0 | 0.038 | 0.016 | 7.00 | 185.00 |
| 80 05 05 0950 | | | .3 | 1 | 19350 | | 20 | 20 | 11.0 | 12.0 | 0.024 | 0.010 | 4.00 | 234.000 |
| 80 05 13 0955 | | | .3 | 1 | 19350 | | 20 | 20 | 13.0 | 11.0 | 0.020 | 0.002 | 3.0 | 240 |
| 80 06 17 1025 | | | .3 | 1 | 19359 | | | | 17.0 | 11.0 | 0.026 | 0.008 | 14.00 | 370.00 |
| 80 07 28 0942 | | | .3 | 1 | 19368 | 5 | | | 23.0 | 12.0 | 0.004 | 0.002 | 2 | 280 |
| 80 08 18 0945 | | | .3 | 1 | 19377 | 5 | 32 | | 17.0 | 28.0 | 0.064 | 0.002 | 23 | 254 |
| 80 09 02 0921 | | | .3 | 1 | 19386 | 8 | 48 | 56 | 21.0 | 14.0 | 0.020 | 0.002 | | 273 |
| 80 10 28 0950 | | | .3 | 1 | 19395 | | 720 | 1280C | 4.0 | 13.0 | 0.092 | 0.016 | 40.00 | 345.00 |
| 80 11 17 0955 | | | .3 | 1 | 19404 | | | | 1.0 | 13.0 | 0.028 | 0.002 | 15.00 | 325.000 |
| 80 12 09 0945 | | | .3 | 1 | 19413 | | | | 1.0 | 12.0 | 0.270 | 0.036 | 164.00 | 244.000 |
| **MAXIMUM** | | | | | | | **720** | **1280** | **23.0** | **28.0** | **0.270** | **0.036** | **164.00** | **450.0** |
| **ARITH MEAN** | | | | | | | **168** | **344** | **9.5** | **12.9** | **0.064** | **0.011** | **31** | **285** |
| **GEOM MEAN** | | | | | | | **54** | **73** | **5.1** | **12.3** | **0.039** | **0.007** | **13** | **277** |
| **MINIMUM** | | | | | | | **20** | **20** | **1.0** | **8.0** | **0.004** | **0.002** | **2** | **185.00** |
| **STD DEV** | | | | | | | **309** | **624** | **8.5** | **5.0** | **0.073** | **0.011** | **47** | **73** |
| **NO OF SAMPLES** | | | | | | | **5** | **4** | **12** | **12** | **12** | **12** | **11** | **12** |

| TEST-NAME: | | | | | COND25 | ALKT | PH | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | ALK TOTAL MG/L AS CACO3 | PH | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. ~~MG/L~~ UG/L ~~AS HG~~ | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 02 12 0915 | | | .3 | 1 | 600.0 | | | | | | | | | |
| 80 03 10 1130 | | | .3 | 1 | | 240.0 | 7.40 | 0.001< | 0.060 | 0.020 | 0.010< | 0.030< | 0.010 | 0.060 |
| 80 04 14 0910 | | | .3 | 1 | | 123.0 | 7.50 | 0.001< | 0.070 | | 0.020 | 0.030< | 0.005 < | 0.010< |
| 80 05 05 0950 | | | .3 | 1 | 360.0 | 158.0 | 7.90 | 0.002 | 0.100 | 0.020< | 0.030 | 0.030< | 0.006 | 0.010< |
| 80 05 13 0955 | | | .3 | 1 | 370 | 164 | 7.90 | 0.002 | 0.100 | 0.020< | 0.030 | 0.030< | 0.006 | 0.010< |
| 80 06 17 1025 | | | .3 | 1 | | 205.0 | 8.10 | 0.001< | 0.040 | | 0.010< | 0.030< | 0.005 < | 0.010< |
| 80 07 28 0942 | | | .3 | 1 | 430 | 202 | 7.9 | 0.001 | 0.080 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< |
| 80 08 18 0945 | | | .3 | 1 | 390 | 166 | 8.0 | 0.006 | 0.07 | 0.008 | 0.018 | 0.006 | 0.0003 | 0.018 |
| 80 09 02 0921 | | | .3 | 1 | 420 | 166 | 8.0 | 0.001< | | 0.005 | 0.002 | 0.003< | 0.0003 | 0.001< |
| 80 10 28 0950 | | | .3 | 1 | 495.0 | 171.0 | 7.80 | 0.001< | 0.09 | 0.004 | 0.004 | 0.003< | 0.0002< | 0.007 |
| 80 11 17 0955 | | | .3 | 1 | 500 | 168.0 | 7.80 | 0.001< | | | 0.001< | 0.003< | 0.0002 | 0.005 |
| 80 12 09 0945 | | | .3 | 1 | 375 | 134.0 | 7.40 | | | | | | | |
| **MAXIMUM** | | | | | **600.0** | **240.0** | **8.10** | **0.006** | **0.100** | **0.020** | **0.030** | **0.030** | **0.010** | **0.060** |
| **ARITH MEAN** | | | | | **437** | **172** | **7.7** | **0.002L** | **0.07** | **0.014L** | **0.013L** | **0.019L** | **0.003 L** | **0.014L** |
| **GEOM MEAN** | | | | | **431** | **169** | **7.7** | **0.001L** | **0.07** | **0.011L** | **0.009L** | **0.013L** | **0.001 L** | **0.009L** |
| **MINIMUM** | | | | | **360.0** | **123.0** | **7.40** | **0.001<** | **0.040** | **0.004<** | **0.001<** | **0.003<** | **0.0002<** | **0.001<** |
| **STD DEV** | | | | | **79** | **32** | **0.2** | **0.002L** | **0.02** | **0.008L** | **0.011L** | **0.014L** | **0.003 L** | **0.017L** |
| **NO OF SAMPLES** | | | | | **9** | **11** | **11** | **10** | **8** | **7** | **10** | **10** | **10** | **10** |

| TEST-NAME: | | | | | P1PCBT |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PCB TOTAL UG/L |
| 80 03 10 1130 | | | .3 | 1 | 0.020R |
| 80 04 14 0910 | | | .3 | 1 | 0.020R |
| 80 05 05 0950 | | | .3 | 1 | 0.020R |
| 80 06 17 1025 | | | .3 | 1 | 0.020R |
| 80 07 28 0942 | | | .3 | 1 | 0.020R |
| 80 08 18 0945 | | | .3 | 1 | 0.020R |
| 80 09 02 0921 | | | .3 | 1 | 0.020R |
| 80 10 28 0950 | | | .3 | 1 | 0.020R |
| 80 11 17 0955 | | | .3 | 1 | 0.020R |
| 80 12 09 0945 | | | .3 | 1 | 0.020R |
| **MAXIMUM** | | | | | |
| **ARITH MEAN** | | | | | |
| **GEOM MEAN** | | | | | |
| **MINIMUM** | | | | | |
| **STD DEV** | | | | | |
| **NO OF SAMPLES** | | | | | |

| | | |
|---|---|---|
| B O W / SITE **RAISIN RIVER**<br>SAMPLE POINT **AT COUNTY ROAD NO 18 EAST OF LUNENBURG**<br>STATION TYPE **RIVER** | MAJOR BASIN **GREAT LAKES**<br>MINOR BASIN **ST LAWRENCE RIVER**<br>TERM STREAM **RAISIN RIVER** | STATION ID: **12-0073-010-02**<br>STORET CODE: **02**<br>**005**<br>**0250** |
| LAT LONG | U T M: **18 0504675.0 4989350.0 4** | REGION: **04** DISTANCE: **56.004** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 12 1125 | | | .3 | 1 | 19327 | 4 | 1.0 | 10.0 | 0.088 | 0.042 | 0.890 | 1.180 | 0.120 | 0.840 |
| 80 03 10 1030 | | | .3 | 1 | 19330 | 4 | 1.0 | 10.0 | 0.124 | 0.058 | 0.300 | 2.250 | 0.430 | 1.350 |
| 80 04 14 0825 | | | .3 | 1 | 19339 | | 4.0 | 10.0 | 0.052 | 0.012 | 0.130 | 1.150 | 0.012 | 0.530 |
| 80 05 13 0925 | | | .3 | 1 | 19349 | | 12.0 | 9.0 | 0.026 | 0.004 | 0.010 | 1.300 | 0.010 | 0.150 |
| 80 06 17 0950 | | | .3 | 1 | 19358 | 8 | 11.0 | 8.0 | 0.032 | 0.012 | 0.050 | 1.350 | 0.022 | 0.060 |
| 80 07 28 0907 | | | .3 | 1 | 19367 | 8 | 24.0 | 8.0 | 0.092 | 0.016 | 0.09 | 1.2 | 0.016 | 0.04 |
| 80 08 18 0930 | | | .3 | 1 | 19376 | 7 | 17.0 | 10.0 | 0.134 | 0.018 | 0.030 | 0.700 | 0.006 | 0.020< |
| 80 09 02 0900 | | | .3 | 1 | 19385 | 8 | 21.0 | 10.0 | 0.122 | 0.026 | 0.010 | 1.650 | 0.098 | 0.680 |
| 80 10 28 0850 | | | .3 | 1 | 19394 | | 4.0 | 13.0 | 0.040 | 0.008 | 0.040 | 1.250 | 0.016 | 0.420 |

(CONTD)

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 11 17 0930 | | | .3 | 1 | 19403 | | 1.0 | 13.0 | 0.012 | 0.002< | 0.040 | 1.300 | 0.012 | 0.590 |
| 80 12 09 0920 | | | .3 | 1 | 19412 | | 1.0 | 11.0 | 0.056 | 0.038 | 0.070 | 1.300 | 0.016 | 0.890 |
| **MAXIMUM** | | | | | | | **24.0** | **13.0** | **0.134** | **0.058** | **0.890** | **2.260** | **0.430** | **1.350** |
| **ARITH MEAN** | | | | | | | **8.8** | **10.2** | **0.071** | **0.021L** | **0.15** | **1.3** | **0.069** | **0.60 L** |
| **GEOM MEAN** | | | | | | | **4.6** | **10.1** | **0.057** | **0.016L** | **0.06** | **1.2** | **0.028** | **0.27 L** |
| **MINIMUM** | | | | | | | **1.0** | **8.0** | **0.012** | **0.002<** | **0.010** | **0.700** | **0.006** | **0.020<** |
| **STD DEV** | | | | | | | **8.7** | **1.7** | **0.043** | **0.018L** | **0.25** | **0.3** | **0.128** | **0.42 L** |
| **NO OF SAMPLES** | | | | | | | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | COND25 | TURB | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | PH |
| 80 02 12 1125 | | | .3 | 1 | 1.850 | 0.290 | 2.140 | 465.0 | 16.00 | |
| 80 03 10 1030 | | | .3 | 1 | 2.080 | 1.950 | 4.030 | 430.0 | 17.00 | |
| 80 04 14 0825 | | | .3 | 1 | 0.672 | 1.020 | 1.692 | 265.0 | 13.00 | |
| 80 05 13 0925 | | | .3 | 1 | 0.170 | 1.290 | 1.460 | 300.0 | 2.30 | |
| 80 06 17 0950 | | | .3 | 1 | 0.132 | 1.300 | 1.432 | 355.0 | 3.50 | |
| 80 07 28 0907 | | | .3 | 1 | 0.146 | 1.110 | 1.256 | 475 | 2.6 | |
| 80 08 18 0930 | | | .3 | 1 | 0.056 | 0.670 | 0.726 | 520.0 | 38.00 | |
| 80 09 02 0900 | | | .3 | 1 | 0.788 | 1.640 | 2.428 | 430.0 | 33.00 | |
| 80 10 28 0850 | | | .3 | 1 | 0.476 | 1.210 | 1.686 | 460.0 | 2.20 | |
| 80 11 17 0930 | | | .3 | 1 | 0.642 | 1.260 | 1.902 | 440.0 | 7.80 | 7.60 |
| 80 12 09 0920 | | | .3 | 1 | 0.976 | 1.230 | 2.206 | 310.0 | 4.30 | 7.50 |
| **MAXIMUM** | | | | | **2.080** | **1.950** | **4.030** | **520.0** | **38.00** | **7.60** |
| **ARITH MEAN** | | | | | **0.726** | **1.179** | **1.905** | **404** | **12.8** | **7.55** |
| **GEOM MEAN** | | | | | **0.437** | **1.075** | **1.752** | **396** | **7.9** | **7.55** |
| **MINIMUM** | | | | | **0.056** | **0.290** | **0.726** | **265.0** | **2.20** | **7.50** |
| **STD DEV** | | | | | **0.684** | **0.439** | **0.852** | **83** | **12.6** | **0.07** |
| **NO OF SAMPLES** | | | | | **11** | **11** | **11** | **11** | **11** | **2** |

B.O.W./ SITE: **NORTH RAISIN RIVER**
SAMPLE POINT: **AT FIRST UPSTREAM OF MARTINTOWN**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **ST LAWRENCE RIVER**
TERM STREAM: **RAISIN RIVER**

STATION ID: **12-0073-011-02**
STORET CODE: **02**
**005**
**0250**

LAT: LONG: U T M: **18 0520800.0 4999425.0 4** REGION: **04** DISTANCE: **25.266**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 12 0845 | | | .3 | 1 | 19323 | 4 | 1.0 | 11.0 | 0.038 | 0.016 | 0.100 | 0.610 | 0.080 | 0.640 |
| 80 03 10 1210 | | | .3 | 1 | 19332 | 4 | 1.0 | 9.0 | 0.042 | 0.024 | 0.080 | 0.940 | 0.112 | 0.790 |
| 80 04 14 0955 | | | .3 | 1 | 19341 | | 4.0 | 11.0 | 0.042 | 0.012 | 0.070 | 1.000 | 0.014 | 0.590 |
| 80 05 13 1035 | | | .3 | 1 | 19351 | | 13.0 | 10.0 | 0.020 | 0.002 | 0.010 | 0.730 | 0.006 | 0.050 |
| 80 06 17 1100 | | | .3 | 1 | 19360 | 8 | 17.0 | 10.0 | 0.022 | 0.002 | 0.040 | 1.000 | 0.004 | 0.020< |
| 80 07 28 1011 | | | .3 | 1 | 19369 | 8 | 23.0 | 2.0 | 0.038 | 0.002 | 0.02 | 0.92 | 0.002 | 0.02 < |
| 80 08 18 1002 | | | .3 | 1 | 19378 | 8 | 19.0 | 10.0 | 0.026 | 0.006 | 0.040 | 0.820 | 0.002< | 0.020< |
| 80 09 02 0950 | | | .3 | 1 | 19387 | 8 | 20.0 | 9.0 | 0.030 | 0.008 | 0.050 | 0.650 | 0.016 | 0.120 |
| 80 10 28 1015 | | | .3 | 1 | 19396 | | 4.0 | 10.0 | 0.022 | 0.004 | 0.030 | 0.870 | 0.008 | 0.830 |
| 80 11 17 1040 | | | .3 | 1 | 19405 | | 1.0 | 11.0 | 0.006 | 0.002< | 0.010 | 0.650 | 0.004 | 0.580 |
| 80 12 09 1015 | | | .3 | 1 | 19414 | | 1.0 | 12.0 | 0.052 | 0.020 | 0.040 | 0.810 | 0.010 | 0.750 |
| **MAXIMUM** | | | | | | | **23.0** | **12.0** | **0.052** | **0.024** | **0.100** | **1.000** | **0.112** | **0.830** |
| **ARITH MEAN** | | | | | | | **9.5** | **9.5** | **0.031** | **0.009L** | **0.04** | **0.81** | **0.023L** | **0.40 L** |
| **GEOM MEAN** | | | | | | | **4.8** | **8.8** | **0.027** | **0.006L** | **0.03** | **0.80** | **0.010L** | **0.17 L** |
| **MINIMUM** | | | | | | | **1.0** | **2.0** | **0.006** | **0.002<** | **0.010** | **0.610** | **0.002<** | **0.020<** |
| **STD DEV** | | | | | | | **8.9** | **2.7** | **0.013** | **0.008L** | **0.02** | **0.14** | **0.037L** | **0.34 L** |
| **NO OF SAMPLES** | | | | | | | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | COND25 | TURB | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | PH |
| 80 02 12 0845 | | | .3 | 1 | 0.820 | 0.510 | 1.330 | 640.0 | 16.00 | |
| 80 03 10 1210 | | | .3 | 1 | 0.982 | 0.860 | 1.842 | 620.0 | 9.10 | |
| 80 04 14 0955 | | | .3 | 1 | 0.674 | 0.930 | 1.604 | 340.0 | 6.50 | |
| 80 05 13 1035 | | | .3 | 1 | 0.066 | 0.720 | 0.786 | 425.0 | 3.40 | |
| 80 06 17 1100 | | | .3 | 1 | 0.064 | 0.960 | 1.024 | 490.0 | 3.90 | |
| 80 07 28 1011 | | | .3 | 1 | 0.042 | 0.900 | 0.942 | 400 | 2.1 | |
| 80 08 18 1002 | | | .3 | 1 | 0.062 | 0.780 | 0.842 | 375.0 | 1.20 | |
| 80 09 02 0950 | | | .3 | 1 | 0.186 | 0.600 | 0.786 | 345.0 | 1.40 | |
| 80 10 28 1015 | | | .3 | 1 | 0.868 | 0.840 | 1.708 | 500.0 | 2.20 | |
| 80 11 17 1040 | | | .3 | 1 | 0.594 | 0.640 | 1.234 | 520.0 | 8.50 | 7.90 |
| 80 12 09 1015 | | | .3 | 1 | 0.800 | 0.770 | 1.570 | 380.0 | 10.00 | 7.80 |
| **MAXIMUM** | | | | | **0.982** | **0.960** | **1.842** | **640.0** | **16.00** | **7.90** |
| **ARITH MEAN** | | | | | **0.469** | **0.774** | **1.243** | **457** | **5.8** | **7.85** |
| **GEOM MEAN** | | | | | **0.266** | **0.760** | **1.186** | **447** | **4.2** | **7.85** |
| **MINIMUM** | | | | | **0.042** | **0.510** | **0.786** | **340.0** | **1.20** | **7.80** |
| **STD DEV** | | | | | **0.383** | **0.144** | **0.392** | **104** | **4.6** | **0.07** |
| **NO OF SAMPLES** | | | | | **11** | **11** | **11** | **11** | **11** | **2** |

B O W / SITE **SOUTH RAISIN RIVER**
SAMPLE POINT **AT CO.RD.NO.20 SOUTH OF CASHIONGLEN**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **ST LAWRENCE RIVER**
TERM STREAM **RAISIN RIVER**

STATION ID **12-0073-015-02**
STORET CODE **02**
**005**
**0250**

LAT LONG U T M **18 0525400.0 4993900.0 4** REGION **04** DISTANCE **17.863**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 11 1245 | | | 3 | 1 | 19320 | 4 | 1.0 | 11.0 | 0.290 | 0.030 | 0.010 | 1.200 | 0.078 | 1.100 |
| 80 03 10 1235 | | | 3 | 1 | 19333 | 4 | 1.0 | 6.0 | 0.124 | 0.048 | 0.290 | 1.000 | 0.220 | 0.940 |
| 80 04 14 1045 | | | 3 | 1 | 19342 | | 5.0 | 8.0 | 0.062 | 0.020 | 0.060 | 0.760 | 0.012 | 0.750 |
| 80 05 13 1100 | | | 3 | 1 | 19352 | | 13.0 | 10.0 | 0.054 | 0.008 | 0.030 | 0.590 | 0.006 | 0.070 |
| 80 06 17 1120 | | | 3 | 1 | 19361 | 8 | 18.0 | 12.0 | 0.044 | 0.010 | 0.080 | 0.610 | 0.006 | 0.020< |
| 80 07 28 1111 | | | 3 | 1 | 19370 | 8 | 23.0 | 12.0 | | 0.032 | 0.03 | | 0.016 | 0.08 |
| 80 08 18 1044 | | | 3 | 1 | 19379 | 8 | 18.0 | 9.0 | 0.056 | 0.022 | 0.040 | 0.350 | 0.002 | 0.020 |
| 80 09 02 1025 | | | 3 | 1 | 19388 | | 22.0 | 13.0 | 0.090 | 0.044 | 0.050 | 0.570 | 0.052 | 0.390 |
| 80 10 28 1040 | | | 3 | 1 | 19397 | | 4.0 | 11.0 | 0.036 | 0.008 | 0.030 | 0.570 | 0.010 | 1.100 |
| 80 11 17 1055 | | | 3 | 1 | 19406 | | 1.0 | 12.0 | 0.008 | 0.002< | 0.010 | 0.410 | 0.004 | 0.620 |
| 80 12 09 1030 | | | 3 | 1 | 19415 | | 1.0 | 13.0 | 0.104 | 0.018 | 0.050 | 0.610 | 0.014 | 0.810 |
| MAXIMUM | | | | | | | 23.0 | 13.0 | 0.290 | 0.048 | 0.290 | 1.200 | 0.220 | 1.100 |
| ARITH MEAN | | | | | | | 9.7 | 10.6 | 0.087 | 0.022L | 0.06 | 0.667 | 0.038 | 0.53 L |
| GEOM MEAN | | | | | | | 4.9 | 10.4 | 0.062 | 0.016L | 0.04 | 0.627 | 0.015 | 0.26 L |
| MINIMUM | | | | | | | 1.0 | 6.0 | 0.008 | 0.002< | 0.010 | 0.350 | 0.002 | 0.020< |
| STD DEV | | | | | | | 9.1 | 2.2 | 0.079 | 0.015L | 0.07 | 0.259 | 0.065 | 0.43 L |
| NO OF SAMPLES | | | | | | | 11 | 11 | 10 | 11 | 11 | 10 | 11 | 11 |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | COND25 | TURB | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | PH |
| 80 02 11 1245 | | | 3 | 1 | 1.188 | 1.190 | 2.378 | 1080.0 | 96.00 | |
| 80 03 10 1235 | | | 3 | 1 | 1.450 | 0.710 | 2.160 | 960.0 | 31.00 | |
| 80 04 14 1045 | | | 3 | 1 | 0.822 | 0.700 | 1.522 | 470.0 | 25.00 | |
| 80 05 13 1100 | | | 3 | 1 | 0.106 | 0.560 | 0.666 | 600.0 | 34.00 | |
| 80 06 17 1120 | | | 3 | 1 | 0.106 | 0.530 | 0.636 | 670.0 | 1.30 | |
| 80 07 28 1111 | | | 3 | 1 | 0.126 | | | | 99 | |
| 80 08 18 1044 | | | 3 | 1 | 0.062 | 0.310 | 0.372 | 360.0 | 9.30 | |
| 80 09 02 1025 | | | 3 | 1 | 0.492 | 0.520 | 1.012 | 620.0 | 19.00 | |
| 80 10 28 1040 | | | 3 | 1 | 1.140 | 0.540 | 1.680 | 680.0 | 2.90 | |
| 80 11 17 1055 | | | 3 | 1 | 0.634 | 0.400 | 1.034 | 680.0 | 8.00 | 8.00 |
| 80 12 09 1030 | | | 3 | 1 | 0.874 | 0.560 | 1.434 | 500.0 | 19.00 | 7.70 |
| MAXIMUM | | | | | 1.450 | 1.190 | 2.378 | 1080.0 | 99 | 8.00 |
| ARITH MEAN | | | | | 0.636 | 0.602 | 1.289 | 662.0 | 31 | 7.85 |
| GEOM MEAN | | | | | 0.397 | 0.567 | 1.120 | 631.6 | 16 | 7.85 |
| MINIMUM | | | | | 0.062 | 0.310 | 0.372 | 360.0 | 1.30 | 7.70 |
| STD DEV | | | | | 0.498 | 0.239 | 0.664 | 217.1 | 34 | 0.21 |
| NO OF SAMPLES | | | | | 11 | 10 | 10 | 10 | 11 | 2 |

B O W / SITE **DELISLE RIVER**
SAMPLE POINT **AT CNR TRESTLE DNSTR.OF ALEXANDRIA**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **ST.LAWRENCE RIVER**
TERM STREAM **DELISLE RIVER**

STATION ID **12-0086-001-02**
STORET CODE **02**
**005**
**0040**

LAT LONG U T M **18 0531150.0 5018650.0 4** REGION **04** DISTANCE **44.578**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 03 10 1535 | | | 3 | 1 | 19338 | | | | 1.0 | 8.0 | 9.0 | 4.800 | 5.300 | 4.200 |
| 80 04 14 1310 | | | 3 | 1 | 19347 | | 104 | 116 | 5.0 | 10.0 | 0.5 | 0.144 | 0.108 | 0.140 |
| 80 05 13 1340 | | | 3 | 1 | 19357 | | 244 | 96 | 14.0 | 10.0 | 2.8 | 0.420 | 0.340 | 0.100 |
| 80 06 17 1310 | | | 3 | 1 | 19366 | 7 | 24 | 28 | 19.0 | 9.0 | 5.0 | 1.500 | 1.260 | 0.300 |
| 80 07 28 1241 | | | 3 | 1 | 19375 | 8 | | | 23.0 | 7.0 | 2.3 | 0.390 | 0.370 | 0.140 |
| 80 08 18 1144 | | | 3 | 1 | 19384 | 8 | 112 | 136 | 19.0 | 7.0 | 0.6 | 0.132 | 0.056 | 0.07 |
| 80 09 02 1140 | | | 3 | 1 | 19393 | | 1440 | 1160 | 22.0 | 8.0 | 1.8 | 0.380 | 0.250 | 0.06 |
| 80 10 28 1245 | | | 3 | 1 | 19402 | | 1850C | 600> | 5.0 | 9.0 | 1.7 | 0.134 | 0.086 | 0.020 |
| 80 11 17 1300 | | | 3 | 1 | 19411 | | | | 1.0 | 10.0 | 0.8 | 0.270 | 0.200 | 0.040 |
| 80 12 09 1330 | | | 3 | 1 | 19420 | | | | 1.0 | 12.0 | 1.0 | 0.160 | 0.124 | 0.100 |
| MAXIMUM | | | | | | | 1850 | 1160> | 23.0 | 12.0 | 9.0 | 4.800 | 5.300 | 4.200 |
| ARITH MEAN | | | | | | | 629 | 356G | 11.0 | 9.0 | 2.5 | 0.833 | 0.809 | 0.51 |
| GEOM MEAN | | | | | | | 238 | 176G | 6.0 | 8.9 | 1.7 | 0.371 | 0.278 | 0.12 |
| MINIMUM | | | | | | | 24 | 28 | 1.0 | 7.0 | 0.5 | 0.132 | 0.056 | 0.020 |
| STD DEV | | | | | | | 801 | 444G | 9.3 | 1.6 | 2.6 | 1.452 | 1.617 | 1.29 |
| NO OF SAMPLES | | | | | | | 6 | 6 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 03 10 1535 | | | 3 | 1 | 7.600 | 0.018 | 0.040 | 4.258 | 3.400 | 7.658 | 920.0 | 7.50 | 128.000 | |
| 80 04 14 1310 | | | 3 | 1 | 0.900 | 0.014 | 0.730 | 0.884 | 0.760 | 1.644 | 315.0 | 7.60 | 9.200 | |
| 80 05 13 1340 | | | 3 | 1 | 0.730 | 0.014 | 0.090 | 0.204 | 0.630 | 0.834 | 400.0 | 2.40 | 16.000 | |
| 80 06 17 1310 | | | 3 | 1 | 1.900 | 0.220 | 0.300 | 0.820 | 1.600 | 2.420 | 540 | 12.00 | 54.0 | |
| 80 07 28 1241 | | | 3 | 1 | 0.500 | 0.048 | 0.110 | 0.298 | 0.360 | 0.658 | 365.0 | 7.30 | 10.800 | |
| 80 08 18 1144 | | | 3 | 1 | 0.86 | 0.010 | 0.02 < | 0.100 | 0.790 | 0.890 | 310 | 18 | 10.8 | |
| 80 09 02 1140 | | | 3 | 1 | 1.20 | 0.166 | 0.77 | 0.996 | 1.140 | 2.136 | 430 | 17 | 19 | |
| 80 10 28 1245 | | | 3 | 1 | 0.700 | 0.076 | 1.500 | 1.596 | 0.680 | 2.276 | 445.0 | 4.50 | 14.000 | |
| 80 11 17 1300 | | | 3 | 1 | 0.650 | 0.012 | 0.690 | 0.742 | 0.610 | 1.352 | 480.0 | 9.00 | 14.000 | 8.10 |
| 80 12 09 1330 | | | 3 | 1 | 0.830 | 0.010 | 0.890 | 1.000 | 0.730 | 1.730 | 400.0 | 7.10 | 13.000 | 8.00 |
| MAXIMUM | | | | | 7.600 | 0.220 | 1.500 | 4.258 | 3.400 | 7.658 | 920.0 | 18 | 128.000 | 8.10 |
| ARITH MEAN | | | | | 1.58 | 0.059 | 0.51 L | 1.090 | 1.070 | 2.160 | 460 | 9 | 28 | 8.05 |
| GEOM MEAN | | | | | 1.06 | 0.030 | 0.25 L | 0.683 | 0.873 | 1.670 | 438 | 7 | 18 | 8.05 |
| MINIMUM | | | | | 0.500 | 0.010 | 0.02 < | 0.100 | 0.360 | 0.658 | 310 | 2.40 | 9.200 | 8.00 |
| STD DEV | | | | | 2.14 | 0.075 | 0.48 L | 1.199 | 0.886 | 2.029 | 176 | 5 | 37 | 0.07 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 2 |

B.O.W./ SITE: **DELISLE RIVER**
SAMPLE POINT: **AT FIRST BRIDGE UPSTR.OF ALEXANDRIA**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **ST.LAWRENCE RIVER**
TERM STREAM: **DELISLE RIVER**

STATION ID: **12-0086-002-02**
STORET CODE: **02**
**005**
**0040**

LAT. LONG. U T M: **18 0529900.0 5019300.0 4** REGION: **04** DISTANCE: **46.508**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 03 10 1455 | | | .3 | 1 | 19337 | 4 | | | 1.0 | 10.0 | 1.3 | 0.048 | 0.002 | 0.080 |
| 80 04 14 1240 | | | .3 | 1 | 19346 | | 32 | 32 | 5.0 | 11.0 | 0.2 | 0.036 | 0.010 | 0.050 |
| 80 05 13 1310 | | | .3 | 1 | 19356 | | 100 | 44 | 14.0 | 11.0 | 1.3 | 0.020 | 0.002< | 0.010 |
| 80 06 17 1245 | | | .3 | 1 | 19365 | | 156 | 16 | 19.0 | 12.0 | 0.6 | 0.010 | 0.004 | 0.060 |
| 80 07 28 1217 | | | .3 | 1 | 19374 | | | | 23.0 | 3.0 | 1.0 | 0.032 | 0.002< | 0.010 |
| 80 08 18 1133 | | | .3 | 1 | 19383 | | 400 | 82 | 19.0 | 1.0 | 2.0 | 0.440 | 0.004 | 0.03 |
| 80 09 02 1120 | | | .3 | 1 | 19392 | | 1480 | 440 | 20.0 | 14.0 | 1.0 | 0.068 | 0.018 | 0.03 |
| 80 10 28 1230 | | | .3 | 1 | 19401 | | 520 | 1240C | 5.0 | 13.0 | 1.0 | 0.020 | 0.007 | 0.030 |
| 80 11 17 1240 | | | .3 | 1 | 19410 | | | | 1.0 | 12.0 | 1.0 | 0.006 | 0.002< | 0.010 |
| 80 12 09 1310 | | | .3 | 1 | 19419 | | | | 1.0 | 12.0 | 0.6 | 0.028 | 0.010 | 0.030 |
| MAXIMUM | | | | | | | 1480 | 1240 | 23.0 | 14.0 | 2.0 | 0.440 | 0.018 | 0.080 |
| ARITH MEAN | | | | | | | 448 | 309 | 10.8 | 9.9 | 1.0 | 0.071 | 0.006L | 0.03 |
| GEOM MEAN | | | | | | | 231 | 100 | 6.0 | 8.0 | 0.9 | 0.032 | 0.004L | 0.02 |
| MINIMUM | | | | | | | 32 | 16 | 1.0 | 1.0 | 0.2 | 0.006 | 0.002< | 0.010 |
| STD DEV | | | | | | | 539 | 483 | 9.0 | 4.3 | 0.5 | 0.131 | 0.005L | 0.02 |
| NO OF SAMPLES | | | | | | | 6 | 6 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 03 10 1455 | | | .3 | 1 | 0.900 | 0.082 | 0.540 | 0.702 | 0.820 | 1.522 | 660.0 | 12.00 | 66.000 | |
| 80 04 14 1240 | | | .3 | 1 | 0.680 | 0.012 | 0.630 | 0.692 | 0.630 | 1.322 | 295.0 | 6.20 | 6.800 | |
| 80 05 13 1310 | | | .3 | 1 | 0.590 | 0.006 | 0.070 | 0.086 | 0.580 | 0.666 | 370.0 | 2.10 | 7.500 | |
| 80 06 17 1245 | | | .3 | 1 | 0.860 | 0.002 | 0.020< | 0.082 | 0.800 | 0.882 | 380 | 2.70 | 18.0 | |
| 80 07 28 1217 | | | .3 | 1 | 0.740 | 0.002 | 0.020< | 0.032 | 0.730 | 0.762 | 325.0 | 5.40 | 10.000 | |
| 80 08 18 1133 | | | .3 | 1 | 2.30 | 0.002 | 0.02 | 0.052 | 2.270 | 2.322 | 325 | 52 | 10.5 | |
| 80 09 02 1120 | | | .3 | 1 | 1.02 | 0.046 | 0.71 | 0.786 | 0.990 | 1.776 | 395 | 16 | 14 | |
| 80 10 28 1230 | | | .3 | 1 | 1.050 | 0.010 | 1.300 | 1.340 | 1.020 | 2.360 | 430.0 | 2.70 | 13.000 | |
| 80 11 17 1240 | | | .3 | 1 | 0.500 | 0.006 | 0.550 | 0.566 | 0.490 | 1.056 | 440.0 | 7.80 | 10.000 | 8.20 |
| 80 12 09 1310 | | | .3 | 1 | 0.570 | 0.008 | 0.810 | 0.848 | 0.540 | 1.388 | 400.0 | 5.10 | 10.000 | 7.90 |
| MAXIMUM | | | | | 2.30 | 0.082 | 1.300 | 1.340 | 2.270 | 2.360 | 660.0 | 52 | 66.000 | 8.20 |
| ARITH MEAN | | | | | 0.92 | 0.018 | 0.46 L | 0.519 | 0.887 | 1.406 | 402 | 11 | 16 | 8.05 |
| GEOM MEAN | | | | | 0.83 | 0.008 | 0.19 L | 0.279 | 0.799 | 1.291 | 392 | 6 | 12 | 8.06 |
| MINIMUM | | | | | 0.500 | 0.002 | 0.020< | 0.032 | 0.490 | 0.666 | 295.0 | 2.10 | 6.800 | 7.90 |
| STD DEV | | | | | 0.52 | 0.026 | 0.43 L | 0.441 | 0.518 | 0.602 | 102 | 14 | 17 | 0.21 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 2 |

B.O.W./ SITE: **GARRY RIVER**
SAMPLE POINT: **AT CNR TRESTLE ALEXANDRIA**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **ST.LAWRENCE RIVER**
TERM STREAM: **DELISLE RIVER**

STATION ID: **12-0086-003-02**
STORET CODE: **02**
**005**
**0040**

LAT. LONG. U T M: **18 0529200.0 5017950.0 4** REGION: **04** DISTANCE: **48.279**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 03 10 1440 | | | .3 | 1 | 19336 | | | | 3.0 | 5.0 | 1.1 | 0.030 | 0.002 | 0.080 |
| 80 04 14 1210 | | | .3 | 1 | 19345 | | 44 | 4 | 5.0 | 8.0 | 0.9 | 0.028 | 0.004 | 0.020 |
| 80 05 13 1245 | | | .3 | 1 | 19355 | | 72 | 20 | 14.0 | 10.0 | 1.7 | 0.076 | 0.002< | 0.020 |
| 80 06 17 1230 | | | .3 | 1 | 19364 | | 216 | 192 | 19.0 | 12.0 | 1.4 | 0.010 | 0.004 | 0.060 |
| 80 07 28 1205 | | | .3 | 1 | 19373 | | | | 23.0 | 12.0 | 1.8 | 0.088 | 0.002< | 0.070 |
| 80 08 18 1127 | | | .3 | 1 | 19382 | 7 | 1400 | 560 | 19.0 | 11.0 | 1.1 | 0.092 | 0.002 | 0.06 |
| 80 09 02 1109 | | | .3 | 1 | 19391 | | 24 | 300 | 22.0 | 9.0 | 1.5 | 0.076 | 0.002 | 0.04 |
| 80 10 28 1210 | | | .3 | 1 | 19400 | | 320 | 444 | 4.0 | 10.0 | 1.4 | 0.036 | 0.013 | 0.070 |
| 80 11 17 1225 | | | .3 | 1 | 19409 | | | | 1.0 | 12.0 | 1.0 | 0.044 | 0.002< | 0.060 |
| 80 12 09 1250 | | | .3 | 1 | 19418 | | | | 2.0 | 13.0 | 0.6 | 0.032 | 0.004 | 0.090 |
| MAXIMUM | | | | | | | 1400 | 560 | 23.0 | 13.0 | 1.8 | 0.092 | 0.013 | 0.090 |
| ARITH MEAN | | | | | | | 346 | 253 | 11.2 | 10.2 | 1.2 | 0.051 | 0.004L | 0.05 |
| GEOM MEAN | | | | | | | 139 | 102 | 7.1 | 9.9 | 1.2 | 0.043 | 0.003L | 0.05 |
| MINIMUM | | | | | | | 24 | 4 | 1.0 | 5.0 | 0.6 | 0.010 | 0.002< | 0.020 |
| STD DEV | | | | | | | 529 | 225 | 9.0 | 2.4 | 0.4 | 0.029 | 0.003L | 0.02 |
| NO OF SAMPLES | | | | | | | 6 | 6 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 03 10 1440 | | | .3 | 1 | 0.940 | 0.024 | 0.060 | 0.164 | 0.860 | 1.024 | 470.0 | 4.60 | 34.000 | |
| 80 04 14 1210 | | | .3 | 1 | 0.540 | 0.008 | 0.130 | 0.158 | 0.520 | 0.678 | 220.0 | 2.40 | 7.800 | |
| 80 05 13 1245 | | | .3 | 1 | 0.640 | 0.004 | 0.020< | 0.044 | 0.620 | 0.664 | 230.0 | 1.90 | 8.300 | |
| 80 06 17 1230 | | | .3 | 1 | 0.860 | 0.070 | 0.020 | 0.150 | 0.800 | 0.950 | 205 | 2.80 | 7.0 | |
| 80 07 28 1205 | | | .3 | 1 | 0.860 | 0.006 | 0.020 | 0.096 | 0.790 | 0.886 | 220.0 | 2.50 | 7.300 | |
| 80 08 18 1127 | | | .3 | 1 | 1.15 | 0.006 | 0.02 < | 0.106 | 1.070 | 1.176 | 240 | 3.0 | 15.8 | |
| 80 09 02 1109 | | | .3 | 1 | 1.08 | 0.066 | 0.15 | 0.256 | 1.040 | 1.296 | 265 | 3.5 | 12 | |
| 80 10 28 1210 | | | .3 | 1 | 0.700 | 0.022 | 0.040 | 0.132 | 0.630 | 0.762 | 300.0 | 1.60 | 14.000 | |
| 80 11 17 1225 | | | .3 | 1 | 0.530 | 0.008 | 0.070 | 0.138 | 0.470 | 0.608 | 330.0 | 7.20 | 13.000 | 8.00 |
| 80 12 09 1250 | | | .3 | 1 | 0.700 | 0.008 | 0.150 | 0.248 | 0.610 | 0.858 | 350.0 | 2.10 | 16.000 | 7.80 |
| MAXIMUM | | | | | 1.15 | 0.070 | 0.150 | 0.256 | 1.070 | 1.296 | 470.0 | 7.20 | 34.000 | 8.00 |
| ARITH MEAN | | | | | 0.80 | 0.022 | 0.06 L | 0.149 | 0.741 | 0.890 | 283 | 3.1 | 13 | 7.90 |
| GEOM MEAN | | | | | 0.77 | 0.013 | 0.04 L | 0.135 | 0.716 | 0.865 | 273 | 2.8 | 12 | 7.90 |
| MINIMUM | | | | | 0.530 | 0.004 | 0.020< | 0.044 | 0.470 | 0.608 | 205 | 1.60 | 7.0 | 7.80 |
| STD DEV | | | | | 0.21 | 0.025 | 0.05 L | 0.065 | 0.207 | 0.226 | 82 | 1.6 | 7 | 0.14 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 2 |

B O W / SITE **GARRY RIVER**
SAMPLE POINT **AT FIRST BRIDGE UPSTR.OF ALEXANDRIA**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **ST.LAWRENCE RIVER**
TERM STREAM **DELISLE RIVER**

STATION ID **12-0086-004-02**
STORET CODE **02**
**005**
**0040**

LAT LONG U T M **18 0528400.0 5016400.0 4** REGION **04** DISTANCE **50.040**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 03 10 1405 | | | 3 | 1 | 19335 | 4 | | | 1 0 | 8 0 | 1 6 | 0 136 | 0 002 | 0 050 |
| 80 04 14 1140 | | | 3 | 1 | 19344 | | 4 | 4 | 5 0 | 9 0 | 0 5 | 0 016 | 0 004 | 0 030 |
| 80 05 13 1220 | | | 3 | 1 | 19354 | | 16 | 4< | 14 0 | 8 0 | 1 2 | 0 026 | 0 002 | 0 040 |
| 80 06 19 1215 | | | 3 | 1 | 19363 | 7 | 24 | 40 | 19.0 | 10 0 | 1 6 | 0 022 | 0 006 | 0 040 |
| 80 07 28 1155 | | | 3 | 1 | 19372 | 9 | | | 23 0 | 8 0 | 0 8 | 0 040 | 0 004 | 0 020 |
| 80 08 18 1111 | | | 3 | 1 | 19381 | 9 | 28 | 28 | 19 0 | 10 0 | 3 1 | 0 098 | 0 002 | 0 02 |
| 80 09 02 1058 | | | 3 | 1 | 19390 | | 60 | 12 | 22 0 | 10 0 | 1 1 | 0 032 | 0 002< | 0 06 |
| 80 10 28 1135 | | | 3 | 1 | 19399 | | 16 | 188 | 4 0 | 10 0 | 0 7 | 0 012 | 0 002 | 0 040 |
| 80 11 17 1140 | | | 3 | 1 | 19408 | | | | 1 0 | 11 0 | 0 4 | 0 004 | 0 002 | 0 010 |
| 80 12 09 1135 | | | 3 | 1 | 19417 | 4 | | | 1 0 | 9 0 | 1 2 | 0 054 | 0 004 | 0 040 |
| **MAXIMUM** | | | | | | | **60** | **188** | **23.0** | **11.0** | **3.1** | **0.136** | **0.006** | **0.06** |
| **ARITH MEAN** | | | | | | | **25** | **46L** | **10.9** | **9.3** | **1.2** | **0.044** | **0.003L** | **0.03** |
| **GEOM MEAN** | | | | | | | **19** | **19L** | **5.9** | **9.2** | **1.0** | **0.029** | **0.003L** | **0.03** |
| **MINIMUM** | | | | | | | **4** | **4<** | **1.0** | **8.0** | **0.4** | **0.004** | **0.002<** | **0.010** |
| **STD DEV** | | | | | | | **19** | **71L** | **9.4** | **1.1** | **0.8** | **0.042** | **0.001L** | **0.01** |
| **NO OF SAMPLES** | | | | | | | **6** | **6** | **10** | **10** | **10** | **10** | **10** | **10** |

| TEST-NAME: | | | | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 03 10 1405 | | | 3 | 1 | 1 950 | 0 030 | 0 090 | 0 170 | 1 900 | 2 070 | 385 0 | 4 80 | 7 800 | |
| 80 04 14 1140 | | | 3 | 1 | 0 420 | 0 006 | 0 050 | 0 086 | 0 390 | 0 476 | 190 0 | 0 83 | 4 500 | |
| 80 05 13 1220 | | | 3 | 1 | 0 610 | 0 004 | 0 020 | 0 064 | 0 570 | 0 634 | 180 0 | 1 40 | 2 800 | |
| 80 06 19 1215 | | | 3 | 1 | 0 770 | 0 002 | 0 002< | 0 044 | 0 730 | 0 774 | 160 | 1 20 | 3 4 | |
| 80 07 28 1155 | | | 3 | 1 | 0 920 | 0 002 | 0 020< | 0 042 | 0 900 | 0 942 | 170 0 | 1 10 | 2 800 | |
| 80 08 18 1111 | | | 3 | 1 | 1 90 | 0 002< | 0 02 < | 0 042 | 1 880 | 1 922 | 175 | 2 6 | 2 5 | |
| 80 09 02 1058 | | | 3 | 1 | 1 04 | 0 004 | 0 02 < | 0 084 | 0 980 | 1 064 | 230 | 1 0 | 8 8 | |
| 80 10 28 1135 | | | 3 | 1 | 0 480 | 0 002 | 0 020 | 0 062 | 0 440 | 0 502 | 300 0 | 0 80 | 8 800 | |
| 80 11 17 1140 | | | 3 | 1 | 0 420 | 0 004 | 0 040 | 0 054 | 0 410 | 0 464 | 280 0 | 2 90 | 6 000 | 7 60 |
| 80 12 09 1135 | | | 3 | 1 | 1 200 | 0 004 | 0 080 | 0 124 | 1 160 | 1 284 | 280 0 | 5 00 | 9 300 | 7 50 |
| **MAXIMUM** | | | | | **1.950** | **0.030** | **0.090** | **0.170** | **1.900** | **2.070** | **385.0** | **5.00** | **9.300** | **7.60** |
| **ARITH MEAN** | | | | | **0.97** | **0.008L** | **0.03 L** | **0.077** | **0.938** | **1.013** | **235** | **2.1** | **5.6** | **7.55** |
| **GEOM MEAN** | | | | | **0.83** | **0.004L** | **0.02 L** | **0.069** | **0.800** | **0.880** | **225** | **1.7** | **5.0** | **7.55** |
| **MINIMUM** | | | | | **0.420** | **0.002<** | **0.002<** | **0.042** | **0.390** | **0.464** | **160** | **0.80** | **2.5** | **7.50** |
| **STD DEV** | | | | | **0.56** | **0.009L** | **0.02 L** | **0.041** | **0.585** | **0.585** | **74** | **1.6** | **2.7** | **0.07** |
| **NO OF SAMPLES** | | | | | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **2** |

B O W / SITE **ST. MARYS RIVER**
SAMPLE POINT **AT HURON STREET DAM (CENTRE)**
STATION TYPE **RIVER FLOW GAUGE FED 02CA001**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**

STATION ID **13-0000-003-02**
STORET CODE **02**
**002**

LAT LONG U T M **16 0703360.0 5154450.0 4** REGION **05**

| TEST-NAME: | | | | | SAMPLE | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 01 06 1105 | | | 3 | 1 | 14003 | 2110 000 | 0.0 | 12.0 | 0.006 | 0.001 | 0.028 | 0.210 | 0.001 | 0.299 |
| 80 02 16 1510 | | | 3 | 1 | 14016 | 2140 000 | 0.0 | 13.0 | 0.003 | 0.001 | 0.018 | 0.120 | 0.002 | 0.303 |
| 80 03 30 1325 | | | 3 | 1 | 14034 | 2110 000 | 0.0 | 12.0 | 0.004 | 0.001< | 0.042 | 0.280 | 0.002 | 0.308 |
| 80 06 22 1404 | | | 3 | 1 | 14072 | 2270 000 | 13.0 | 9.0 | 0.019 | 0.001 | 0 116 | 0.690 | 0.002 | 0.278 |
| 80 08 07 1220 | | | 3 | 1 | 14086 | 2110 000 | 19.0 | 11.0 | 0.007 | 0.003 | 0.074 | 0.300 | 0.003 | 0.252 |
| 80 09 06 1235 | | | 3 | 1 | 14098 | 2040 000 | 17.0 | 11 0 | 0.072 | 0.026 | 0 100 | 0.510 | 0 004 | 0.261 |
| 80 10 25 1110 | | | 3 | 1 | 14112 | 2330 000 | 8.0 | 10 0 | 0 012 | 0.002 | 0 010 | 0 130 | 0 002 | 0.563 |
| **MAXIMUM** | | | | | | **2330.000** | **19.0** | **13.0** | **0.072** | **0.026** | **0.116** | **0.690** | **0.004** | **0.563** |
| **ARITH MEAN** | | | | | | **2158.571** | **8.1** | **11.1** | **0.018** | **0.005L** | **0.055** | **0.320** | **0.002** | **0.323** |
| **GEOM MEAN** | | | | | | **2156.519** | **4.4** | **11.1** | **0.010** | **0.002L** | **0.041** | **0.287** | **0.002** | **0.312** |
| **MINIMUM** | | | | | | **2040.000** | **0.0** | **9.0** | **0.003** | **0.001<** | **0.010** | **0.120** | **0.001** | **0.252** |
| **STD DEV** | | | | | | **102.702** | **8.4** | **1.3** | **0.025** | **0.009L** | **0.042** | **0.209** | **0.001** | **0.108** |
| **NO OF SAMPLES** | | | | | | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 |
| 80 01 06 1105 | | | 3 | 1 | 0 328 | 0 182 | 0 510 | 66 00 | 0 30 | 66.000 | 101 0 | 0 74 | 1 500 | 3 500 |
| 80 02 16 1510 | | | 3 | 1 | 0.323 | 0 102 | 0.425 | 64.00 | 0 10< | 64.000 | 99 0 | 0.70 | 1.550 | 4 000 |
| 80 03 30 1325 | | | 3 | 1 | 0 352 | 0 238 | 0.590 | 70 00 | 3 00 | 67.000 | 103 0 | 1.60 | 1.800 | 3 500 |
| 80 06 22 1404 | | | 3 | 1 | 0 395 | 0 574 | 0.970 | 71 00 | | 68 000 | 105.0 | 1.70 | 2 200 | 4 000 |
| 80 08 07 1220 | | | 3 | 1 | 0 329 | 0 226 | 0.555 | 67 00 | | 65.000 | 100 0 | 0.80 | 1 650 | 3.500 |
| 80 09 06 1235 | | | 3 | 1 | 0 365 | 0 410 | 0 775 | 70 00 | | 68 000 | 105 0 | 0.60 | 1 900 | 4.500 |
| 80 10 25 1110 | | | 3 | 1 | 0 575 | 0 120 | 0 695 | 68 00 | | 65 000 | 100 0 | 1.10 | 1.300 | 4 000 |
| **MAXIMUM** | | | | | **0.575** | **0.574** | **0.970** | **71.00** | **3.00** | **68.000** | **105.0** | **1.70** | **2.200** | **4.500** |
| **ARITH MEAN** | | | | | **0.381** | **0.265** | **0.646** | **68.00** | **1.13L** | **66.143** | **101.9** | **1.03** | **1.700** | **3.857** |
| **GEOM MEAN** | | | | | **0.374** | **0.224** | **0.625** | **67.96** | **0.45L** | **66.127** | **101.8** | **0.96** | **1.678** | **3.842** |
| **MINIMUM** | | | | | **0.323** | **0.102** | **0.425** | **64.00** | **0.10<** | **64.000** | **99.0** | **0.60** | **1.300** | **3.500** |
| **STD DEV** | | | | | **0.089** | **0.170** | **0.164** | **2.52** | **1.62L** | **1.574** | **2.5** | **0.45** | **0.296** | **0.378** |
| **NO OF SAMPLES** | | | | | **7** | **7** | **7** | **7** | **3** | **7** | **7** | **7** | **7** | **7** |

(CONTD)

| TEST-NAME: | | | | | ALKT | PH | PHNOL | FEUT | CAUR | MGUR | COLAP | KKUR | NAUR | COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ALK TOTAL MG/L AS CACO3 | PH | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O |
| 80 01 06 1105 | | | .3 | 1 | 44 | | 1 000< | 0 150 | 13 600 | 2 450 | 10.000 | 0.60 | 1 400 | 14 |
| 80 02 16 1510 | | | .3 | 1 | 46 | | 2 000 | 0 080 | 13.400 | 2 400 | 5 000 | 0.65 | 1.500 | 10 |
| 80 03 30 1325 | | | .3 | 1 | 44.0 | | 1 000< | 0 150 | 13.400 | 2 350 | 6.000 | 0 75 | 1 800 | 34 |
| 80 06 22 1404 | | | .3 | 1 | 46.0 | 7 45 | 1 000< | | 14 000 | 2 200 | 27.000 | 1.05 | 1 600 | 12 |
| 80 08 07 1220 | | | .3 | 1 | 44.0 | 8 00 | 1 000 | 0 060 | 13 400 | 2 900 | 2 000 | 0 80 | 2 006 | 14 |
| 80 09 06 1235 | | | .3 | 1 | 46.0 | 7 61 | 1 000< | 0 080 | 13.200 | 2 900 | 4 000 | 1 00 | 2 300 | 36 |
| 80 10 25 1110 | | | .3 | 1 | 43 0 | 7 88 | 1 000< | 0 090 | 12 400 | 2 750 | 2.000 | 0 55 | 1 500 | 10< |
| MAXIMUM | | | | | 46 | 8.00 | 2.000 | 0.150 | 14.000 | 2.900 | 27.000 | 1.05 | 2.300 | 36 |
| ARITH MEAN | | | | | 44 | 7.73 | 1.143L | 0.102 | 13.343 | 2.564 | 8.000 | 0.77 | 1.729 | 19L |
| GEOM MEAN | | | | | 44 | 7.73 | 1.104L | 0.096 | 13.335 | 2.551 | 5.376 | 0.75 | 1.704 | 16L |
| MINIMUM | | | | | 43.0 | 7.45 | 1.000< | 0.060 | 12.400 | 2.200 | 2.000 | 0.55 | 1.400 | 10< |
| STD DEV | | | | | 1 | 0.25 | 0.378L | 0.039 | 0.486 | 0.282 | 8.813 | 0.19 | 0.325 | 11L |
| NO OF SAMPLES | | | | | 7 | 4 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |

| TEST-NAME: | | | | | ASUT | HGUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS | MERCURY ~~UNF.TOT.~~ UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI |
| 80 01 06 1105 | | | .3 | 1 | 0 003 | 0 020< | 0 020< | 0 020< | 0 010< | 0.030< | 0 010 | 0 020 | 0 013 | 0 020< |
| 80 02 16 1510 | | | .3 | 1 | 0 002 | 0 050 | 0 020< | 0 020< | 0.010< | 0 030< | 0 005 < | 0 020 | 0 010 | 0 020 |
| 80 03 30 1325 | | | .3 | 1 | 0 002 | 0 060 | 0 070 | 0.020< | 0.020 | 0 030< | 0.005 < | 0 010< | 0 013 | 0 020< |
| 80 06 22 1404 | | | .3 | 1 | 0 001< | 0 030< | 0 020 | 0 020< | 0.010< | 0.030< | 0 005 < | 0 010< | 0 110 | 0 050 |
| 80 08 07 1220 | | | .3 | 1 | 0 001< | 0 080 | 0 042 | 0 002< | 0.002 | 0 001< | 0 0001< | 0 005 | 0 006 | 0 002< |
| 80 09 06 1235 | | | .3 | 1 | 0 001< | 0 04 < | 0 024 | 0 002< | 0 004 | 0 003< | 0 0004 | 0 003 | 0 009 | 0 002< |
| 80 10 25 1110 | | | .3 | 1 | 0 001< | 0 04 | 0 043 | 0 002< | 0 002 | 0 003< | 0 0002< | 0 009 | 0 011 | 0 002< |
| MAXIMUM | | | | | 0.003 | 0.080 | 0.070 | 0.020 | 0.020 | 0.030 | 0.010 | 0.020 | 0.110 | 0.050 |
| ARITH MEAN | | | | | 0.002L | 0.04 L | 0.034L | 0.012L | 0.008L | 0.018L | 0.003 L | 0.011L | 0.025 | 0.017L |
| GEOM MEAN | | | | | 0.001L | 0.04 L | 0.030L | 0.007L | 0.006L | 0.010L | 0.001 L | 0.009L | 0.014 | 0.008L |
| MINIMUM | | | | | 0.001< | 0.020< | 0.020< | 0.002< | 0.002< | 0.001< | 0.0001< | 0.003< | 0.006 | 0.002< |
| STD DEV | | | | | 0.001L | 0.02 L | 0.019L | 0.010L | 0.006L | 0.015L | 0.003 L | 0.007L | 0.038 | 0.017L |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| TEST-NAME: | | | | | COUT | CCNAUR |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 01 06 1105 | | | .3 | 1 | 0 020< | 0 010< |
| 80 02 16 1510 | | | .3 | 1 | 0 020< | 0 020 |
| 80 03 30 1325 | | | .3 | 1 | 0 020< | 0 010< |
| 80 06 22 1404 | | | .3 | 1 | 0 020< | 0 010 |
| 80 08 07 1220 | | | .3 | 1 | 0 002< | |
| 80 09 06 1235 | | | .3 | 1 | 0 003 | 0 01 < |
| 80 10 25 1110 | | | .3 | 1 | 0 002< | 0 01 < |
| MAXIMUM | | | | | 0.020 | 0.020 |
| ARITH MEAN | | | | | 0.012L | 0.01 L |
| GEOM MEAN | | | | | 0.008L | 0.01 L |
| MINIMUM | | | | | 0.002< | 0.010< |
| STD DEV | | | | | 0.009L | 0.00 L |
| NO OF SAMPLES | | | | | 7 | 6 |

B O W / SITE **ST.MARYS RIVER**
SAMPLE POINT **AT BELL'S POINT DOCK**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**

STATION ID **13-0000-005-02**

STORET CODE **02**
**002**

LAT LONG U T M **16 0713550.0 5157325.0 4** REGION **05**

| TEST-NAME: | | | | | SAMPLE | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L |
| 80 01 06 1005 | | | .3 | 1 | 14000 | 0 0 | 12 0 | 0 036 | 0.020 | 0 298 | 0.470 | 0 003 | 0.312 | 0 613 |
| 80 02 16 1210 | | | .3 | 1 | 14012 | 0.0 | 12.0 | 0 011 | 0.001< | 0 102 | 0 210 | 0 003 | 0 307 | 0.412 |
| 80 03 30 1207 | | | .3 | 1 | 14031 | 1 0 | 11.0 | 0 018 | 0 001 | 0.086 | 0 610 | 0.004 | 0 316 | 0 406 |
| 80 06 21 1210 | | | .3 | 1 | 14068 | 15 0 | 10.0 | 0 014 | 0.001 | 0 152 | 0 560 | 0.003 | 0 257 | 0 412 |
| 80 08 07 1115 | | | .3 | 1 | 14083 | 21 0 | 9 0 | 0 161 | 0 155 | 0 158 | 0 340 | 0.004 | 0 236 | 0 398 |
| 80 09 06 1150 | | | .3 | 1 | 14094 | 20 0 | 10 0 | 0 019 | 0.003 | 0 160 | 0.390 | 0 006 | 0 239 | 0 405 |
| 80 10 25 1015 | | | .3 | 1 | 14109 | 8 0 | 11 0 | 0 023 | 0 008 | 0 250 | 0 500 | 0 006 | 0 294 | 0 550 |
| MAXIMUM | | | | | | 21.0 | 12.0 | 0.161 | 0.155 | 0.298 | 0.610 | 0.006 | 0.316 | 0.613 |
| ARITH MEAN | | | | | | 9.3 | 10.7 | 0.040 | 0.027L | 0.172 | 0.440 | 0.004 | 0.280 | 0.457 |
| GEOM MEAN | | | | | | 4.7 | 10.7 | 0.026 | 0.005L | 0.158 | 0.418 | 0.004 | 0.278 | 0.450 |
| MINIMUM | | | | | | 0.0 | 9.0 | 0.011 | 0.001< | 0.086 | 0.210 | 0.003 | 0.236 | 0.398 |
| STD DEV | | | | | | 9.4 | 1.1 | 0.054 | 0.057L | 0.076 | 0.137 | 0.001 | 0.036 | 0.087 |
| NO OF SAMPLES | | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| TEST-NAME: | | | | | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | ALKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 |
| 80 01 06 1005 | | | .3 | 1 | 0 172 | 0 785 | 72.00 | 1 00 | 71.000 | 109 0 | 0 81 | 1 900 | 5 500 | 45 |
| 80 02 16 1210 | | | .3 | 1 | 0 108 | 0 520 | 73 00 | 3 00 | 70.000 | 108.0 | 2 10 | 3 000 | 4.000 | 46 |
| 80 03 30 1207 | | | .3 | 1 | 0.524 | 0 930 | 67 00 | 2 00 | 65 000 | 100.0 | 1 70 | 3 050 | 4 000 | 42.0 |
| 80 06 21 1210 | | | .3 | 1 | 0 408 | 0 820 | 70 00 | | 68.000 | 105.0 | 1 50 | 2.050 | 4 500 | 47.0 |
| 80 08 07 1115 | | | .3 | 1 | 0 182 | 0 580 | 67 00 | | 65.000 | 100.0 | 0.90 | 1 600 | 4.500 | 44.0 |
| 80 09 06 1150 | | | .3 | 1 | 0 230 | 0 635 | 75 00 | | 68 000 | 104.0 | 1.50 | 1 600 | 4 500 | 45.0 |
| 80 10 25 1015 | | | .3 | 1 | 0 250 | 0.800 | 73.00 | | 68 000 | 104 0 | 1.50 | 1.750 | 4 000 | 44.0 |
| MAXIMUM | | | | | 0.524 | 0.930 | 75.00 | 3.00 | 71.000 | 109.0 | 2.10 | 3.050 | 5.500 | 47.0 |
| ARITH MEAN | | | | | 0.268 | 0.724 | 71.00 | 2.00 | 67.857 | 104.3 | 1.43 | 2.136 | 4.429 | 44 |
| GEOM MEAN | | | | | 0.237 | 0.711 | 70.94 | 1.82 | 67.825 | 104.2 | 1.36 | 2.064 | 4.403 | 44 |
| MINIMUM | | | | | 0.108 | 0.520 | 67.00 | 1.00 | 65.000 | 100.0 | 0.81 | 1.600 | 4.000 | 42.0 |
| STD DEV | | | | | 0.147 | 0.148 | 3.11 | 1.00 | 2.268 | 3.5 | 0.45 | 0.628 | 0.535 | 1 |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 7 | 7 | 7 |

(CONTD)

B.O.W / SITE **ST.MARYS RIVER**
SAMPLE POINT **AT BELL'S POINT DOCK**
STATION TYPE **RIVER**
MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
STATION ID **13-0000-005-02**
STORET CODE **02**
**002**
LAT LONG U T M **16 0713550.0 5157325.0 4** REGION **05**

| TEST-NAME: | | | | PH | PHNOL | FEUT | CAUR | MGUR | COLAP | KKUR | NAUR | COD | ASUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PH | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O | ARSENIC UNF.TOT. MG/L AS AS |
| 80 01 06 1005 | | 3 | 1 | | 3.000 | 0.190 | 13.800 | 2.600 | 10.000 | 0.65 | 1.600 | 12 | 0.001 |
| 80 02 16 1210 | | 3 | 1 | | 2.000 | 0.140 | 14.400 | 2.500 | 6.000 | 0.55 | 3.000 | 36 | 0.002 |
| 80 03 30 1207 | | 3 | 1 | | 2.000 | 0.120 | 13.800 | 2.300 | 11.000 | 1.10 | 2.300 | 36 | 0.002 |
| 80 06 21 1210 | | 3 | 1 | 7.79 | 1.000< | | 13.600 | 2.250 | 2.000 | 0.80 | 1.700 | 10< | 0.001< |
| 80 08 07 1115 | | 3 | 1 | 7.98 | 1.000 | 0.110 | | | 3.000 | | | 24 | 0.001< |
| 80 09 06 1150 | | 3 | 1 | 7.53 | 1.000< | 0.360 | 13.200 | 2.850 | 20.000 | 0.65 | 1.600 | 34 | 0.001< |
| 80 10 25 1015 | | 3 | 1 | 7.49 | 1.000 | 0.200 | 12.400 | 2.650 | 1.000 | 0.75 | 1.900 | 10< | 0.001< |
| MAXIMUM | | | | 7.98 | 3.000 | 0.360 | 14.400 | 2.850 | 20.000 | 1.10 | 3.000 | 36 | 0.002 |
| ARITH MEAN | | | | 7.70 | 1.571L | 0.187 | 13.533 | 2.525 | 7.571 | 0.75 | 2.017 | 23L | 0.001L |
| GEOM MEAN | | | | 7.69 | 1.426L | 0.171 | 13.519 | 2.517 | 5.010 | 0.73 | 1.962 | 20L | 0.001L |
| MINIMUM | | | | 7.49 | 1.000< | 0.110 | 12.400 | 2.250 | 1.000 | 0.55 | 1.600 | 10< | 0.001< |
| STD DEV | | | | 0.23 | 0.787L | 0.092 | 0.677 | 0.225 | 6.705 | 0.19 | 0.549 | 12L | 0.000L |
| NO OF SAMPLES | | | | 4 | 7 | 6 | 6 | 6 | 7 | 6 | 6 | 7 | 7 |

| TEST-NAME: | | | | HGUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 01 06 1005 | | 3 | 1 | 0.020 | 0.020 | 0.020 | 0.040 | 0.030< | 0.010 | 0.010< | 0.009 | 0.020< | 0.020< |
| 80 02 16 1210 | | 3 | 1 | 0.020 | 0.020< | 0.030 | 0.010< | 0.030< | 0.005 < | 0.010< | 0.013 | 0.020< | 0.020< |
| 80 03 30 1207 | | 3 | 1 | 0.020< | 0.030 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.010 | 0.020< | 0.020< |
| 80 06 21 1210 | | 3 | 1 | 0.030< | 0.030 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.120 | 0.020< | 0.020< |
| 80 08 07 1115 | | 3 | 1 | 0.040< | 0.045 | 0.002< | 0.001< | 0.001< | 0.0001< | 0.004 | 0.007 | 0.002< | 0.002< |
| 80 09 06 1150 | | 3 | 1 | | 0.099 | 0.002< | 0.005 | 0.007 | 0.0002< | 0.003 | 0.018 | 0.002< | 0.002< |
| 80 10 25 1015 | | 3 | 1 | 0.03 | 0.059 | 0.002< | 0.005 | 0.003< | 0.0003 | 0.012 | 0.008 | 0.002< | 0.002< |
| MAXIMUM | | | | 0.040 | 0.099 | 0.030 | 0.040 | 0.030 | 0.010 | 0.012 | 0.120 | 0.020 | 0.020 |
| ARITH MEAN | | | | 0.02 L | 0.043L | 0.014L | 0.012L | 0.019L | 0.003 L | 0.008L | 0.026 | 0.012L | 0.012L |
| GEOM MEAN | | | | 0.02 L | 0.037L | 0.008L | 0.007L | 0.011L | 0.001 L | 0.008L | 0.015 | 0.007L | 0.007L |
| MINIMUM | | | | 0.020< | 0.020< | 0.002< | 0.001< | 0.001< | 0.0001< | 0.003< | 0.007 | 0.002< | 0.002< |
| STD DEV | | | | 0.00 L | 0.028L | 0.012L | 0.013L | 0.014L | 0.003 L | 0.003L | 0.041 | 0.010L | 0.010L |
| NO OF SAMPLES | | | | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| TEST-NAME: | | | | CCNAUR |
|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 01 06 1005 | | 3 | 1 | 0.020 |
| 80 02 16 1210 | | 3 | 1 | 0.010< |
| 80 03 30 1207 | | 3 | 1 | 0.010< |
| 80 06 21 1210 | | 3 | 1 | 0.010< |
| 80 09 06 1150 | | 3 | 1 | 0.01 < |
| 80 10 25 1015 | | 3 | 1 | 0.01 < |
| MAXIMUM | | | | 0.020 |
| ARITH MEAN | | | | 0.01 L |
| GEOM MEAN | | | | 0.01 L |
| MINIMUM | | | | 0.010< |
| STD DEV | | | | 0.00 L |
| NO OF SAMPLES | | | | 6 |

B.O.W / SITE **ST.MARYS RIVER**
SAMPLE POINT **AT PRIVATE DOCK E.OF S.S.MARIE GOLF CLUB**
STATION TYPE **RIVER**
MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
STATION ID **13-0000-006-02**
STORET CODE **02**
**002**
LAT LONG: U T M **16 0709475.0 5152650.0 4** REGION **05**

| TEST-NAME: | | | | SAMPLE | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L |
| 80 01 06 1025 | | 3 | 1 | 14001 | 0.0 | 11.0 | 0.011 | 0.001 | 0.370 | 0.530 | 0.002 | 0.308 | 0.680 |
| 80 02 16 1300 | | 3 | 1 | 14013 | 0.0 | 11.0 | 0.053 | 0.028 | 0.276 | 0.470 | 0.004 | 0.316 | 0.596 |
| 80 03 30 1230 | | 3 | 1 | 14032 | 1.0 | 10.0 | 0.012 | 0.001 | 0.126 | 0.340 | 0.003 | 0.317 | 0.446 |
| 80 06 21 1245 | | 3 | 1 | 14069 | 12.0 | 11.0 | 0.008 | 0.001 | 0.090 | 0.280 | 0.003 | 0.272 | 0.365 |
| 80 08 07 1145 | | 3 | 1 | 14084 | 21.0 | 10.0 | 0.143 | 0.140 | 0.210 | 0.330 | 0.008 | 0.252 | 0.470 |
| 80 09 06 1205 | | 3 | 1 | 14095 | 18.0 | 9.0 | 0.008 | 0.001< | 0.200 | 0.620 | 0.006 | 0.264 | 0.470 |
| 80 10 25 1040 | | 3 | 1 | 14110 | 8.0 | 10.0 | 0.028 | 0.002 | 0.208 | 0.480 | 0.006 | 0.329 | 0.543 |
| MAXIMUM | | | | | 21.0 | 11.0 | 0.143 | 0.140 | 0.370 | 0.620 | 0.008 | 0.329 | 0.680 |
| ARITH MEAN | | | | | 8.6 | 10.3 | 0.038 | 0.025L | 0.211 | 0.436 | 0.005 | 0.294 | 0.510 |
| GEOM MEAN | | | | | 4.5 | 10.3 | 0.021 | 0.004L | 0.193 | 0.421 | 0.004 | 0.293 | 0.501 |
| MINIMUM | | | | | 0.0 | 9.0 | 0.008 | 0.001< | 0.090 | 0.280 | 0.002 | 0.252 | 0.365 |
| STD DEV | | | | | 8.8 | 0.8 | 0.049 | 0.052L | 0.093 | 0.123 | 0.002 | 0.031 | 0.105 |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| TEST-NAME: | | | | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | ALKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 |
| 80 01 06 1025 | | 3 | 1 | 0.160 | 0.840 | 76.00 | 7.00 | 69.000 | 106.0 | 2.90 | 2.050 | 5.500 | 45 |
| 80 02 16 1300 | | 3 | 1 | 0.194 | 0.790 | 73.00 | 0.50 | 72.000 | 110.0 | 0.90 | 2.700 | 4.000 | 46 |
| 80 03 30 1230 | | 3 | 1 | 0.214 | 0.660 | 80.00 | 4.00 | 76.000 | 117.0 | 2.80 | 4.850 | 4.500 | 44.0 |
| 80 06 21 1245 | | 3 | 1 | 0.190 | 0.555 | 67.00 | | 65.000 | 100.0 | 1.50 | 1.850 | 4.000 | 45.0 |
| 80 08 07 1145 | | 3 | 1 | 0.120 | 0.590 | 68.00 | | 65.000 | 100.0 | 1.40 | 1.550 | 4.500 | 43.0 |
| 80 09 06 1205 | | 3 | 1 | 0.420 | 0.890 | 73.00 | | 69.000 | 106.0 | 1.30 | 1.950 | 5.000 | 46.0 |
| 80 10 25 1040 | | 3 | 1 | 0.272 | 0.815 | 8.40 | | 73.000 | 112.0 | 4.30 | 2.350 | 5.000 | 46.0 |

| | | | | TEST-NAME: | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | ALKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 |
| MAXIMUM | | | | | 0.420 | 0.890 | 80.00 | 7.00 | 76.000 | 117.0 | 4.30 | 4.850 | 5.500 | 48 |
| ARITH MEAN | | | | | 0.224 | 0.734 | 63.63 | 3.83 | 69.857 | 107.3 | 2.16 | 2.471 | 4.643 | 45 |
| GEOM MEAN | | | | | 0.209 | 0.724 | 53.41 | 2.41 | 69.754 | 107.1 | 1.89 | 2.312 | 4.614 | 45 |
| MINIMUM | | | | | 0.120 | 0.566 | 8.40 | 0.80 | 65.000 | 100.0 | 0.90 | 1.660 | 4.000 | 43.0 |
| STD DEV | | | | | 0.098 | 0.131 | 24.78 | 3.26 | 4.100 | 6.2 | 1.22 | 1.111 | 0.558 | 1 |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 7 | 7 | 7 |

| | | | | TEST-NAME: | PH | PHNOL | FEUT | CAUR | MGUR | COLAP | KKUR | NAUR | COD | ASUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O | ARSENIC UNF.TOT. MG/L AS AS |
| 80 01 06 1025 | | | 3 | 1 | | 6 000 | 0 240 | 13 800 | 2 600 | 11 000 | 0 60 | 1.600 | 12 | 0 002 |
| 80 02 16 1300 | | | .3 | 1 | | 2.000 | 0 080 | 15 000 | 2.550 | 7 000 | 0 65 | 2.700 | 10< | 0 002 |
| 80 03 30 1230 | | | .3 | 1 | | 2.000 | 0 250 | 13.600 | 2 250 | 7.000 | 0.85 | 3 600 | 74 | 0 002 |
| 80 06 21 1245 | | | 3 | 1 | 7.99 | 1 000 | | 14 000 | 2.300 | 3 000 | 0.50 | 1.500 | 24 | 0 001< |
| 80 08 07 1145 | | | 3 | 1 | 7 91 | 22 000 | 0 150 | | | 5 000 | | | 14 | 0.001< |
| 80 09 06 1205 | | | 3 | 1 | 7 88 | 1.000 | 0 310 | 12 800 | 2 750 | 6 000 | 0 80 | 1.900 | 36 | 0 001< |
| 80 10 25 1040 | | | .3 | 1 | 7 56 | 3.000 | 0 580 | 13.200 | 3 050 | 11.000 | 0.85 | 2 200 | 10< | 0 001< |
| MAXIMUM | | | | | 7.99 | 22.000 | 0.580 | 15.000 | 3.050 | 11.000 | 0.85 | 3.600 | 74 | 0.002 |
| ARITH MEAN | | | | | 7.83 | 5.286 | 0.268 | 13.733 | 2.583 | 7.143 | 0.71 | 2.250 | 26L | 0.001L |
| GEOM MEAN | | | | | 7.83 | 2.866 | 0.225 | 13.716 | 2.569 | 6.579 | 0.70 | 2.146 | 20L | 0.001L |
| MINIMUM | | | | | 7.56 | 1.000 | 0.080 | 12.600 | 2.250 | 3.000 | 0.50 | 1.500 | 10< | 0.001< |
| STD DEV | | | | | 0.19 | 7.566 | 0.173 | 0.755 | 0.296 | 2.968 | 0.15 | 0.792 | 23L | 0.001L |
| NO OF SAMPLES | | | | | 4 | 7 | 6 | 6 | 6 | 7 | 6 | 6 | 7 | 7 |

| | | | | TEST-NAME | HGUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 01 06 1025 | | | .3 | 1 | 0 040 | 0 030 | 0 020< | 0 010< | 0.030< | 0 010 | 0 020 | 0.014 | 0 020< | 0 020< |
| 80 02 16 1300 | | | .3 | 1 | 0 040 | 0 050 | 0 020< | 0 010< | 0.030< | 0 005 < | 0.010< | 0.008 | 0 020< | 0.020< |
| 80 03 30 1230 | | | .3 | 1 | 0 250 | 0 080 | 0 020< | 0 010< | 0.030< | 0.005 < | 0.010< | 0.027 | 0 020< | 0.020< |
| 80 06 21 1245 | | | 3 | 1 | 0 030< | 0.130 | 0 020< | 0 010 | 0 040 | 0 005 < | 0.020 | 0.150 | 0 050 | 0.020< |
| 80 08 07 1145 | | | .3 | 1 | 0 040< | 0 045 | 0 002< | 0.001< | 0 001< | 0 0001< | 0.002 | 0.009 | 0 002< | 0 002< |
| 80 09 06 1205 | | | 3 | 1 | 0 040< | 0 084 | 0 003 | 0.002 | 0.003< | 0 0002< | 0.004 | 0.022 | 0 002< | 0.002< |
| 80 10 25 1040 | | | 3 | 1 | 0 08 | 0 22 | 0 002< | 0.003 | 0 003< | 0 0003 | 0 008 | 0.028 | 0.002< | 0 002< |
| MAXIMUM | | | | | 0.250 | 0.22 | 0.020 | 0.010 | 0.040 | 0.010 | 0.020 | 0.150 | 0.050 | 0.020 |
| ARITH MEAN | | | | | 0.07 L | 0.09 | 0.012L | 0.007L | 0.020L | 0.003 L | 0.011L | 0.037 | 0.017L | 0.012L |
| GEOM MEAN | | | | | 0.05 L | 0.07 | 0.008L | 0.005L | 0.010L | 0.001 L | 0.008L | 0.022 | 0.008L | 0.007L |
| MINIMUM | | | | | 0.030< | 0.030 | 0.002< | 0.001< | 0.001< | 0.0001< | 0.002< | 0.008 | 0.002< | 0.002< |
| STD DEV | | | | | 0.07 L | 0.06 | 0.009L | 0.004L | 0.017L | 0.003 L | 0.007L | 0.051 | 0.017L | 0.010L |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| | | | | TEST-NAME: | CCNAUR |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 01 06 1025 | | | .3 | 1 | 0 040 |
| 80 02 16 1300 | | | .3 | 1 | 0 010< |
| 80 03 30 1230 | | | .3 | 1 | 0 010< |
| 80 06 21 1245 | | | 3 | 1 | 0 010< |
| 80 09 06 1205 | | | 3 | 1 | 0 020 |
| 80 10 25 1040 | | | .3 | 1 | 0 01 < |
| MAXIMUM | | | | | 0.040 |
| ARITH MEAN | | | | | 0.01 L |
| GEOM MEAN | | | | | 0.01 L |
| MINIMUM | | | | | 0.010< |
| STD DEV | | | | | 0.01 L |
| NO OF SAMPLES | | | | | 6 |

B.O.W / SITE: **ST.MARYS RIVER**
SAMPLE POINT: **AT SAULT STE MARIE CIVIC CENTRE**
STATION TYPE: **RIVER**
MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
STATION ID: **13-0000-007-02**
STORET CODE: **02**
**002**
LAT
LONG:
U.T.M.: **16 0704525.0 5153675.0 4**
REGION: **05**

| | | | | TEST-NAME: | SAMPLE | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L |
| 80 01 06 1050 | | | .3 | 1 | 14002 | 0.0 | 11 0 | 0 006 | 0.001< | 0 540 | 0 720 | 0 002 | 0.298 | 0 840 |
| 80 02 16 1400 | | | .3 | 1 | 14014 | 0 0 | 11 0 | 0 011 | 0.007< | 0 144 | 0.250 | 0 003 | 0 307 | 0.454 |
| 80 03 30 1245 | | | 3 | 1 | 14033 | 1 0 | 11 0 | 0 008 | 0.001< | 0 194 | 0 690 | 0 002 | 0 308 | 0.504 |
| 80 06 21 1315 | | | .3 | 1 | 14070 | 10 0 | 10 0 | 0 008 | 0 001 | 0.170 | 0.670 | 0 003 | 0 287 | 0 460 |
| 80 08 07 1200 | | | .3 | 1 | 14085 | 20 0 | 9 0 | 0 010 | 0.004 | 0 430 | 0 790 | 0 004 | 0 256 | 0 690 |
| 80 09 06 1220 | | | 3 | 1 | 14096 | 18 0 | 9 0 | 0 010 | 0 002 | 0.288 | 0 750 | 0 004 | 0 266 | 0.558 |
| 80 10 25 1050 | | | 3 | 1 | 14111 | 8 0 | 10.0 | 0 059 | 0 003 | 0 202 | 0 400 | 0.005 | 0 670 | 0 877 |
| MAXIMUM | | | | | | 20.0 | 11.0 | 0.059 | 0.007 | 0.540 | 0.790 | 0.005 | 0.670 | 0.877 |
| ARITH MEAN | | | | | | 8.1 | 10.1 | 0.016 | 0.003L | 0.281 | 0.610 | 0.003 | 0.342 | 0.626 |
| GEOM MEAN | | | | | | 4.3 | 10.1 | 0.011 | 0.002L | 0.252 | 0.571 | 0.003 | 0.323 | 0.606 |
| MINIMUM | | | | | | 0.0 | 9.0 | 0.006 | 0.001< | 0.144 | 0.250 | 0.002 | 0.256 | 0.454 |
| STD DEV | | | | | | 8.4 | 0.9 | 0.019 | 0.002L | 0.160 | 0.203 | 0.001 | 0.148 | 0.178 |
| NO OF SAMPLES | | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

(CONTD)

B O W / SITE **ST.MARYS RIVER**
SAMPLE POINT **AT SAULT STE MARIE CIVIC CENTRE**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**

STATION ID: **13-0000-007-02**
STORET CODE **02**
**002**

LAT
LONG
U T M **16 0704525.0 5153675.0 4**
REGION **05**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST-NAME: | | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | ALKT |
| 80 01 06 1050 | | | 3 | 1 | 0.180 | 1.020 | 70.00 | 1.00 | 69.000 | 106.0 | 1.60 | 2.000 | 4.500 | 44 |
| 80 02 16 1400 | | | 3 | 1 | 0.106 | 0.560 | 67.00 | 0.90 | 66.000 | 102.0 | 0.50 | 1.950 | 4.000 | 45 |
| 80 03 30 1245 | | | 3 | 1 | 0.496 | 1.000 | 73.00 | 3.00 | 70.000 | 107.0 | 1.50 | 2.350 | 4.000 | 44.0 |
| 80 06 21 1315 | | | 3 | 1 | 0.500 | 0.960 | 71.00 | | 68.000 | 105.0 | 1.30 | 2.450 | 4.000 | 45.0 |
| 80 08 07 1200 | | | 3 | 1 | 0.360 | 1.050 | 71.00 | | 68.000 | 105.0 | 0.90 | 2.050 | 4.000 | 44.0 |
| 80 09 06 1220 | | | 3 | 1 | 0.462 | 1.020 | 71.00 | | 68.000 | 105.0 | 0.50 | 1.800 | 4.500 | 45.0 |
| 80 10 25 1050 | | | 3 | 1 | 0.198 | 1.075 | 70.00 | | 68.000 | 104.0 | 1.50 | 1.950 | 4.000 | 44.0 |
| MAXIMUM | | | | | 0.500 | 1.075 | 73.00 | 3.00 | 70.000 | 107.0 | 1.60 | 2.460 | 4.500 | 45 |
| ARITH MEAN | | | | | 0.329 | 0.955 | 70.43 | 1.63 | 68.143 | 104.9 | 1.13 | 2.079 | 4.143 | 44 |
| GEOM MEAN | | | | | 0.286 | 0.938 | 70.41 | 1.39 | 68.134 | 104.8 | 1.03 | 2.068 | 4.137 | 44 |
| MINIMUM | | | | | 0.106 | 0.560 | 67.00 | 0.90 | 66.000 | 102.0 | 0.50 | 1.800 | 4.000 | 44 |
| STD DEV | | | | | 0.168 | 0.178 | 1.81 | 1.18 | 1.215 | 1.6 | 0.46 | 0.234 | 0.244 | 0 |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 7 | 7 | 7 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O | ARSENIC UNF.TOT. MG/L AS AS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST-NAME: | | PH | PHNOL | FEUT | CAUR | MGUR | COLAP | KKUR | NAUR | COD | ASUT |
| 80 01 06 1050 | | | 3 | 1 | | 15.000 | 0.200 | 13.600 | 2.500 | 9.000 | 0.60 | 1.500 | 16 | 0.002 |
| 80 02 16 1400 | | | 3 | 1 | | 4.000 | 0.160 | 13.600 | 2.400 | 4.000 | 0.55 | 1.600 | 18 | 0.003 |
| 80 03 30 1245 | | | 3 | 1 | | 3.000 | 0.250 | 13.600 | 2.150 | 8.000 | 0.85 | 2.200 | 68 | 0.001 |
| 80 06 21 1315 | | | 3 | 1 | 7.72 | 3.000 | | 13.800 | 2.250 | 2.000 | 1.05 | 1.700 | 10< | 0.001< |
| 80 08 07 1200 | | | 3 | 1 | 7.65 | 11.000 | 0.270 | 13.200 | 2.750 | 14.000 | | | 12 | 0.001< |
| 80 09 06 1220 | | | 3 | 1 | 7.75 | 5.000 | 0.160 | 12.800 | 2.800 | 1.000 | 0.80 | 1.900 | 22 | 0.001< |
| 80 10 25 1050 | | | 3 | 1 | 7.65 | 5.000 | 0.210 | 12.600 | 2.800 | 3.000 | 0.70 | 1.900 | 10< | 0.001< |
| MAXIMUM | | | | | 7.75 | 15.000 | 0.270 | 13.800 | 2.800 | 14.000 | 1.05 | 2.200 | 68 | 0.003 |
| ARITH MEAN | | | | | 7.69 | 6.571 | 0.208 | 13.314 | 2.521 | 5.857 | 0.76 | 1.800 | 22L | 0.001L |
| GEOM MEAN | | | | | 7.69 | 5.480 | 0.204 | 13.307 | 2.509 | 4.229 | 0.74 | 1.786 | 18L | 0.001L |
| MINIMUM | | | | | 7.65 | 3.000 | 0.160 | 12.600 | 2.150 | 1.000 | 0.55 | 1.500 | 10< | 0.001< |
| STD DEV | | | | | 0.05 | 4.614 | 0.046 | 0.480 | 0.269 | 4.670 | 0.18 | 0.263 | 21L | 0.001L |
| NO OF SAMPLES | | | | | 4 | 7 | 6 | 7 | 7 | 7 | 6 | 6 | 7 | 7 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST-NAME: | | HGUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT | COUT |
| 80 01 06 1050 | | | 3 | 1 | 0.04 | 0.03 | 0.02 < | 0.01 < | 0.03 < | 0.01 | 0.02 | 0.009 | 0.02 < | 0.02 < |
| 80 02 16 1400 | | | 3 | 1 | 0.020 | 0.020< | 0.030 | 0.010< | 0.030< | 0.005 < | 0.010< | 0.009 | 0.020 | 0.020< |
| 80 03 30 1245 | | | 3 | 1 | 0.080 | 0.020 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.013 | 0.020< | 0.020< |
| 80 06 21 1315 | | | 3 | 1 | 0.030< | 0.030 | 0.020 | 0.030 | 0.030< | 0.005 < | 0.210 | 0.230 | 0.050 | 0.020< |
| 80 08 07 1200 | | | 3 | 1 | 0.040< | 0.035 | 0.002< | 0.010 | 0.001< | 0.0001< | 0.008 | 0.009 | 0.003 | 0.002< |
| 80 09 06 1220 | | | 3 | 1 | 0.04 < | 0.023 | 0.002< | 0.003 | 0.003< | 0.0004 | 0.003 | 0.008 | 0.002< | 0.003 |
| 80 10 25 1050 | | | 3 | 1 | 0.05 | 0.030 | 0.002< | 0.002 | 0.003< | 0.0002< | 0.006 | 0.018 | 0.002< | 0.002< |
| MAXIMUM | | | | | 0.080 | 0.035 | 0.030 | 0.030 | 0.030 | 0.01 | 0.210 | 0.230 | 0.050 | 0.020 |
| ARITH MEAN | | | | | 0.04 L | 0.02 L | 0.01 L | 0.01 L | 0.01 L | 0.00 L | 0.03 L | 0.042 | 0.01 L | 0.01 L |
| GEOM MEAN | | | | | 0.04 L | 0.02 L | 0.00 L | 0.00 L | 0.01 L | 0.00 L | 0.01 L | 0.016 | 0.00 L | 0.00 L |
| MINIMUM | | | | | 0.020< | 0.020< | 0.002< | 0.002< | 0.001< | 0.0001< | 0.003< | 0.008 | 0.002< | 0.002< |
| STD DEV | | | | | 0.01 L | 0.00 L | 0.01 L | 0.00 L | 0.01 L | 0.00 L | 0.07 L | 0.083 | 0.01 L | 0.00 L |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
|---|---|---|---|---|---|
| | | | TEST-NAME: | | CCNAUR |
| 80 01 06 1050 | | | 3 | 1 | 0.04 |
| 80 02 16 1400 | | | 3 | 1 | 0.013 |
| 80 03 30 1245 | | | 3 | 1 | 0.010< |
| 80 06 21 1315 | | | 3 | 1 | 0.010< |
| 80 08 07 1200 | | | 3 | 1 | 0.030 |
| 80 09 06 1220 | | | 3 | 1 | 0.04 |
| 80 10 25 1050 | | | 3 | 1 | 0.01 < |
| MAXIMUM | | | | | 0.04 |
| ARITH MEAN | | | | | 0.02 L |
| GEOM MEAN | | | | | 0.01 L |
| MINIMUM | | | | | 0.010< |
| STD DEV | | | | | 0.01 L |
| NO OF SAMPLES | | | | | 7 |

B.O.W./ SITE: **ST MARYS RIVER**
SAMPLE POINT: **AT HWY.NO.2 SAULT STE.MARIE MICHIGAN USA**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**

STATION ID **13-0000-008-02**
STORET CODE: **02**
**002**

LAT LONG: U T M: **16 0700350.0 5152250.0 4** REGION: **05**

| TEST-NAME: | | | | | SAMPLE | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L |
| 80 01 06 1120 | | | 3 | 1 | 14004 | 0 0 | 11 0 | 0 005 | 0 002 | 0 012 | 0 290 | 0 001< | 0 300 | 0 313 |
| 80 02 16 1540 | | | 3 | 1 | 14017 | 0 0 | 12 0 | 0 020 | 0 007< | 0 008 | 0 120 | 0 002 | 0 303 | 0 313 |
| 80 03 30 1345 | | | 3 | 1 | 14035 | 1.0 | 12 0 | 0 005 | 0 001 | 0 048 | 0 450 | 0 001 | 0 309 | 0 358 |
| 80 06 22 1424 | | | 3 | 1 | 14073 | 11 0 | 10 0 | 0 230 | 0 195 | 0.002 | 0 140 | 0 002 | 0 268 | 0 272 |
| 80 08 07 1255 | | | 3 | 1 | 14087 | 18 0 | 10.0 | | | | | | | |
| 80 09 06 1250 | | | 3 | 1 | 14099 | 17.0 | 11.0 | 0 003 | 0.001 | 0 020 | 0 180 | 0 003 | 0 262 | 0 285 |
| 80 10 25 1125 | | | 3 | 1 | 14113 | 8.0 | 11.0 | 0 029 | 0 007 | 0 080 | 0 280 | 0 002 | 0.313 | 0 395 |
| MAXIMUM | | | | | | **18.0** | **12.0** | **0.230** | **0.195** | **0.080** | **0.460** | **0.003** | **0.313** | **0.395** |
| ARITH MEAN | | | | | | **7.9** | **11.0** | **0.049** | **0.036L** | **0.028** | **0.243** | **0.002L** | **0.292** | **0.323** |
| GEOM MEAN | | | | | | **4.3** | **11.0** | **0.015** | **0.005L** | **0.016** | **0.219** | **0.002L** | **0.292** | **0.320** |
| MINIMUM | | | | | | **0.0** | **10.0** | **0.003** | **0.001<** | **0.002** | **0.120** | **0.001<** | **0.262** | **0.272** |
| STD DEV | | | | | | **7.8** | **0.8** | **0.089** | **0.078L** | **0.030** | **0.123** | **0.001L** | **0.022** | **0.046** |
| NO OF SAMPLES | | | | | | **7** | **7** | **6** | **6** | **6** | **6** | **6** | **6** | **6** |

| TEST-NAME: | | | | | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | ALKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 |
| 80 01 06 1120 | | | .3 | 1 | 0 278 | 0 591 | 64 00 | 0 40 | 64 000 | 98 0 | 0 88 | 1 250 | 3 000 | 43 |
| 80 02 16 1540 | | | .3 | 1 | 0 112 | 0 425 | 65.00 | 0 80 | 64 000 | 99 0 | 0 60 | 1 400 | 3 500 | 43 |
| 80 03 30 1345 | | | .3 | 1 | 0 402 | 0 760 | 69 00 | 3.00 | 66 000 | 102 0 | 1 00 | 1 450 | 3.000 | 43 0 |
| 80 06 22 1424 | | | .3 | 1 | 0 138 | 0 410 | 66 00 | | 65 000 | 100 0 | 1 00 | 1 450 | 3 500 | 44 0 |
| 80 09 06 1250 | | | .3 | 1 | 0 160 | 0 445 | 66 00 | | 65 000 | 100 0 | 0 55 | 1 450 | 3 500 | 44 0 |
| 80 10 25 1125 | | | .3 | 1 | 0 200 | 0 595 | 67 00 | | 65 000 | 100 0 | 0 85 | 1 350 | 3 500 | 44 0 |
| MAXIMUM | | | | | **0.402** | **0.760** | **69.00** | **3.00** | **66.000** | **102.0** | **1.00** | **1.450** | **3.500** | **44.0** |
| ARITH MEAN | | | | | **0.215** | **0.538** | **66.17** | **1.40** | **64.833** | **99.8** | **0.81** | **1.392** | **3.333** | **43** |
| GEOM MEAN | | | | | **0.196** | **0.524** | **66.15** | **0.99** | **64.830** | **99.8** | **0.79** | **1.390** | **3.325** | **43** |
| MINIMUM | | | | | **0.112** | **0.410** | **64.00** | **0.40** | **64.000** | **98.0** | **0.55** | **1.250** | **3.000** | **43** |
| STD DEV | | | | | **0.108** | **0.136** | **1.72** | **1.40** | **0.753** | **1.3** | **0.20** | **0.080** | **0.258** | **0** |
| NO OF SAMPLES | | | | | **6** | **6** | **6** | **3** | **6** | **6** | **6** | **6** | **6** | **6** |

| TEST-NAME: | | | | | PH | PHNOL | FEUT | CAUR | MGUR | COLAP | KKUR | NAUR | COD | ASUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O | ARSENIC UNF.TOT. MG/L AS AS |
| 80 01 06 1120 | | | .3 | 1 | | 1 000< | 0 070 | 13 200 | 2 450 | 9 000 | 0 55 | 1 300 | 12 | 0 007 |
| 80 02 16 1540 | | | .3 | 1 | | 1 000< | 0 030 | 12 800 | 2 400 | 4 000 | 0.45 | 1 400 | 10< | 0 001 |
| 80 03 30 1345 | | | .3 | 1 | | 1 000< | 0 040 | 13 200 | 2.250 | 3.000 | 0.70 | 1 800 | 10< | 0 002 |
| 80 06 22 1424 | | | .3 | 1 | 8 10 | 1 000< | | 13 000 | 2 300 | 16.000 | 0 50 | 1 100 | 10< | |
| 80 08 07 1255 | | | .3 | 1 | | | | | | | | | | 0 001< |
| 80 09 06 1250 | | | .3 | 1 | 8 00 | 1 000< | 0 030 | 12 800 | 2 800 | 1 000< | 0 75 | 1 800 | 30 | 0 001< |
| 80 10 25 1125 | | | .3 | 1 | 7 66 | 1 000< | 0 130 | 12 400 | 2 750 | 1.000 | 0 60 | 1 700 | 10< | 0 001< |
| MAXIMUM | | | | | **8.10** | **1.000** | **0.130** | **13.200** | **2.800** | **16.000** | **0.75** | **1.800** | **30** | **0.007** |
| ARITH MEAN | | | | | **7.92** | **1.000L** | **0.060** | **12.900** | **2.492** | **5.667L** | **0.59** | **1.517** | **14L** | **0.002L** |
| GEOM MEAN | | | | | **7.92** | **1.000L** | **0.050** | **12.897** | **2.483** | **3.464L** | **0.58** | **1.492** | **12L** | **0.002L** |
| MINIMUM | | | | | **7.66** | **1.000<** | **0.030** | **12.400** | **2.250** | **1.000<** | **0.45** | **1.100** | **10<** | **0.001<** |
| STD DEV | | | | | **0.23** | **0.000L** | **0.042** | **0.303** | **0.231** | **5.854L** | **0.12** | **0.293** | **8L** | **0.002L** |
| NO OF SAMPLES | | | | | **3** | **6** | **5** | **6** | **6** | **6** | **6** | **6** | **6** | **6** |

| TEST-NAME: | | | | | HGUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 01 06 1120 | | | .3 | 1 | 0.040 | 0.060 | 0 020< | 0 010< | 0.030< | 0.010 | 0.010 | 0 003 | 0.020< | 0.020< |
| 80 02 16 1540 | | | .3 | 1 | 0.070 | 0.020< | 0 020< | 0 010< | 0.030< | 0.005 < | 0.010< | 0.004 | 0.020< | 0.020< |
| 80 03 30 1345 | | | .3 | 1 | 0 060 | 0.020< | 0 020< | 0 010< | 0.030< | 0.005 < | 0 010< | 0.003 | 0 020< | 0.020< |
| 80 06 22 1424 | | | .3 | 1 | | | | | | | | 0.050 | | |
| 80 08 07 1255 | | | .3 | 1 | 0.040< | 0.028 | 0 002< | 0.003 | 0 001< | 0.0001< | 0.002 | | 0.002< | 0.002< |
| 80 09 06 1250 | | | .3 | 1 | 0 040< | 0.020 | 0.002< | 0.003 | 0.003< | 0.0003 | 0.001< | 0 003 | 0.002< | 0.003 |
| 80 10 25 1125 | | | .3 | 1 | 0 08 | 0.02 | 0 002< | 0.002 | 0.003< | 0.0002< | 0.002 | 0.006 | 0.002< | 0.002< |
| MAXIMUM | | | | | **0.08** | **0.060** | **0.020** | **0.010** | **0.030** | **0.010** | **0.010** | **0.050** | **0.020** | **0.020** |
| ARITH MEAN | | | | | **0.05 L** | **0.02 L** | **0.011L** | **0.006L** | **0.016L** | **0.003 L** | **0.006L** | **0.011** | **0.011L** | **0.011L** |
| GEOM MEAN | | | | | **0.05 L** | **0.02 L** | **0.006L** | **0.005L** | **0.008L** | **0.001 L** | **0.004L** | **0.006** | **0.006L** | **0.007L** |
| MINIMUM | | | | | **0.040<** | **0.020<** | **0.002<** | **0.002<** | **0.001<** | **0.0001<** | **0.001<** | **0.003** | **0.002<** | **0.002<** |
| STD DEV | | | | | **0.01 L** | **0.01 L** | **0.010L** | **0.004L** | **0.015L** | **0.004 L** | **0.005L** | **0.019** | **0.010L** | **0.010L** |
| NO OF SAMPLES | | | | | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** |

| TEST-NAME: | | | | | CCNAUR |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 01 06 1120 | | | .3 | 1 | 0.010< |
| 80 02 16 1540 | | | .3 | 1 | 0.010< |
| 80 03 30 1345 | | | .3 | 1 | 0 010< |
| 80 08 07 1255 | | | .3 | 1 | 0.010< |
| 80 09 06 1250 | | | .3 | 1 | 0.010< |
| 80 10 25 1125 | | | .3 | 1 | 0.01 < |
| MAXIMUM | | | | | **0.01** |
| ARITH MEAN | | | | | **0.01 L** |
| GEOM MEAN | | | | | **0.01 L** |
| MINIMUM | | | | | **0.010<** |
| STD DEV | | | | | **0.00 L** |
| NO OF SAMPLES | | | | | **6** |

B O W / SITE **BIG CARP RIVER**
SAMPLE POINT **AT HERKIMER STREET SAULT STE MARIE**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **BIG CARP RIVER**

STATION ID: **13-0003-001-02**
STORET CODE: **02**
**002**
**8640**

LAT LONG U T M **16 0695650.0 5153350.0 4** REGION **05** DISTANCE: **1.127**

| TEST-NAME: | | | | | SAMPLE | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L |
| 80 02 16 1445 | | | 3 | 1 | 14019 | 0.0 | 11.0 | 0.013 | 0.002 | 0.100 | 0.310 | 0.005 | 0.245 | 0.350 |
| 80 06 22 1530 | | | 3 | 1 | 14075 | 18.0 | 8.0 | 0.020 | 0.004 | 0.076 | 0.530 | 0.004 | 0.056 | 0.136 |
| 80 09 06 1340 | | | 3 | 1 | 14101 | 17.0 | 9.0 | 0.023 | 0.006 | 0.044 | 0.400 | 0.006 | 0.084 | 0.134 |
| MAXIMUM | | | | | | **18.0** | **11.0** | **0.023** | **0.006** | **0.100** | **0.530** | **0.006** | **0.245** | **0.350** |
| ARITH MEAN | | | | | | **11.7** | **9.3** | **0.019** | **0.004** | **0.073** | **0.413** | **0.005** | **0.128** | **0.207** |
| GEOM MEAN | | | | | | **6.7** | **9.3** | **0.018** | **0.004** | **0.069** | **0.404** | **0.005** | **0.105** | **0.186** |
| MINIMUM | | | | | | **0.0** | **8.0** | **0.013** | **0.002** | **0.044** | **0.310** | **0.004** | **0.056** | **0.134** |
| STD DEV | | | | | | **10.1** | **1.5** | **0.005** | **0.002** | **0.028** | **0.111** | **0.001** | **0.102** | **0.124** |
| NO OF SAMPLES | | | | | | **3** | **3** | **3** | **3** | **3** | **3** | **3** | **3** | **3** |

| TEST-NAME: | | | | | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH |
| 80 02 16 1445 | | | .3 | 1 | 0.210 | 0.560 | 60.00 | 3.00 | 57.000 | 88.0 | 3.80 | 2.300 | 24 | |
| 80 06 22 1530 | | | .3 | 1 | 0.454 | 0.590 | 53.00 | 4.00 | 49.000 | 75.0 | 4.10 | 2.900 | 23.0 | 6.96 |
| 80 09 06 1340 | | | .3 | 1 | 0.356 | 0.490 | 64.00 | 4.00 | 60.000 | 92.0 | 0.43 | 3.150 | 35.0 | 7.28 |
| MAXIMUM | | | | | **0.454** | **0.590** | **64.00** | **4.00** | **60.000** | **92.0** | **4.10** | **3.150** | **35.0** | **7.28** |
| ARITH MEAN | | | | | **0.340** | **0.547** | **59.00** | **3.67** | **55.333** | **85.0** | **2.78** | **2.783** | **27** | **7.12** |
| GEOM MEAN | | | | | **0.324** | **0.545** | **58.82** | **3.63** | **55.132** | **84.7** | **1.89** | **2.759** | **26** | **7.12** |
| MINIMUM | | | | | **0.210** | **0.490** | **53.00** | **3.00** | **49.000** | **75.0** | **0.43** | **2.300** | **23.0** | **6.96** |
| STD DEV | | | | | **0.123** | **0.051** | **5.57** | **0.58** | **5.686** | **8.9** | **2.04** | **0.437** | **6** | **0.23** |
| NO OF SAMPLES | | | | | **3** | **3** | **3** | **3** | **3** | **3** | **3** | **3** | **3** | **2** |

| TEST-NAME: | | | | | FEUT | CAUR | MGUR | COLAP | KKUR | NAUR | COD | ALUT | CUUT | PBUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | IRON UNF.TOT. MG/L AS FE | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB |
| 80 02 16 1445 | | | 3 | 1 | 0.970 | 9.200 | 1.650 | 50.000 | | | 26 | 0.240 | 0.010< | 0.030< |
| 80 06 22 1530 | | | .3 | 1 | | 8.400 | 1.550 | 58.000 | 0.55 | 2.300 | 18 | 0.300 | 0.010< | 0.030< |
| 80 09 06 1340 | | | .3 | 1 | 1.400 | 11.200 | 2.400 | 70.000> | 0.90 | 3.200 | 50 | 0.250 | 0.001 | 0.003< |
| MAXIMUM | | | | | **1.400** | **11.200** | **2.400** | **70.000>** | **0.90** | **3.200** | **50** | **0.300** | **0.010** | **0.030** |
| ARITH MEAN | | | | | **1.185** | **9.600** | **1.867** | **59.333G** | **0.72** | **2.750** | **31** | **0.263** | **0.007L** | **0.021L** |
| GEOM MEAN | | | | | **1.165** | **9.530** | **1.831** | **58.771G** | **0.70** | **2.713** | **29** | **0.262** | **0.005L** | **0.014L** |
| MINIMUM | | | | | **0.970** | **8.400** | **1.550** | **50.000** | **0.55** | **2.300** | **18** | **0.240** | **0.001<** | **0.003<** |
| STD DEV | | | | | **0.304** | **1.442** | **0.466** | **10.066G** | **0.25** | **0.636** | **17** | **0.032** | **0.005L** | **0.016L** |
| NO OF SAMPLES | | | | | **2** | **3** | **3** | **3** | **2** | **2** | **3** | **3** | **3** | **3** |

| TEST-NAME: | | | | | ZNUT | MNUT | NIUT |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI |
| 80 02 16 1445 | | | .3 | 1 | 0.010< | 0.058 | 0.020< |
| 80 06 22 1530 | | | 3 | 1 | 0.010< | 0.900 | 0.020< |
| 80 09 06 1340 | | | 3 | 1 | 0.003 | 0.070 | 0.002< |
| MAXIMUM | | | | | **0.010** | **0.900** | **0.020** |
| ARITH MEAN | | | | | **0.008L** | **0.343** | **0.014L** |
| GEOM MEAN | | | | | **0.007L** | **0.154** | **0.009L** |
| MINIMUM | | | | | **0.003<** | **0.058** | **0.002<** |
| STD DEV | | | | | **0.004L** | **0.483** | **0.010L** |
| NO OF SAMPLES | | | | | **3** | **3** | **3** |

B O W / SITE **EAST DAVIGNON CREEK**
SAMPLE POINT **NEAR MOUTH, WEST OF ALGOMA SAULT**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **EAST DAVIGNON CREEK**

STATION ID: **13-0008-001-02**
STORET CODE: **02**
**002**
**8600**

LAT LONG U T M **16 0700925.0 5155300.0 4** REGION **05** DISTANCE: **0.483**

| TEST-NAME: | | | | | SAMPLE | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L |
| 80 02 16 1600 | | | 3 | 1 | 14018 | 9.0 | 9.0 | 0.011 | 0.001< | 0.086 | 0.110 | 0.007 | 0.333 | 0.426 |
| 80 03 30 1405 | | | 3 | 1 | 14036 | 10.0 | 9.0 | 0.103 | 0.008 | 0.232 | 0.980 | 0.018 | 0.477 | 0.727 |
| 80 06 22 1515 | | | 3 | 1 | 14074 | 21.0 | 8.0 | 0.150 | 0.125 | 0.048 | 0.260 | 0.009 | 0.306 | 0.363 |
| 80 09 06 1315 | | | 3 | 1 | 14100 | 22.0 | 7.0 | 0.038 | 0.001 | 0.174 | 0.600 | 0.022 | 0.398 | 0.594 |
| 80 10 25 1155 | | | 3 | 1 | 14114 | 11.0 | 8.0 | 0.084 | 0.005 | 0.106 | 0.780 | 0.035 | 0.525 | 0.666 |
| MAXIMUM | | | | | | **22.0** | **9.0** | **0.150** | **0.125** | **0.232** | **0.980** | **0.035** | **0.525** | **0.727** |
| ARITH MEAN | | | | | | **14.6** | **8.2** | **0.077** | **0.028L** | **0.129** | **0.546** | **0.018** | **0.408** | **0.555** |
| GEOM MEAN | | | | | | **13.6** | **8.2** | **0.056** | **0.005L** | **0.112** | **0.420** | **0.015** | **0.399** | **0.537** |
| MINIMUM | | | | | | **9.0** | **7.0** | **0.011** | **0.001<** | **0.048** | **0.110** | **0.007** | **0.306** | **0.363** |
| STD DEV | | | | | | **6.3** | **0.8** | **0.055** | **0.054L** | **0.073** | **0.360** | **0.011** | **0.093** | **0.156** |
| NO OF SAMPLES | | | | | | **5** | **5** | **5** | **5** | **5** | **5** | **5** | **5** | **5** |

(CONTD)

| | | | TEST-NAME: | | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH |
| 80 02 16 1600 | | | .3 | 1 | 0.024 | 0.450 | 93.00 | 10.00 | 83.000 | 128.0 | 9.30 | 11.000 | 39 | |
| 80 03 30 1405 | | | .3 | 1 | 0.748 | 1.475 | 198.00 | 61.00 | 137.000 | 210.0 | 18.00 | 17.000 | 62.0 | |
| 80 06 22 1515 | | | .3 | 1 | 0.212 | 0.575 | 86.00 | 5.00 | 81.000 | 125.0 | 5.40 | 6.100 | 47.0 | 7.68 |
| 80 09 06 1315 | | | 3 | 1 | 0.426 | 1.020 | 97.00 | 10.00 | 87.000 | 134.0 | 6.50 | 12.500 | 39.0 | 7.02 |
| 80 10 25 1155 | | | 3 | 1 | 0.674 | 1.340 | 152.00 | 22.00 | 130.000 | 200.0 | 16.00 | 13.000 | 60.0 | 7.38 |
| MAXIMUM | | | | | 0.748 | 1.475 | 198.00 | 61.00 | 137.000 | 210.0 | 18.00 | 17.000 | 62.0 | 7.68 |
| ARITH MEAN | | | | | 0.417 | 0.972 | 125.20 | 21.60 | 103.600 | 159.4 | 11.04 | 11.920 | 49 | 7.38 |
| GEOM MEAN | | | | | 0.256 | 0.878 | 118.48 | 14.63 | 100.820 | 155.2 | 9.88 | 11.314 | 48 | 7.36 |
| MINIMUM | | | | | 0.024 | 0.450 | 86.00 | 5.00 | 81.000 | 125.0 | 5.40 | 6.100 | 39 | 7.02 |
| STD DEV | | | | | 0.305 | 0.453 | 48.44 | 22.90 | 27.492 | 41.9 | 5.67 | 3.938 | 11 | 0.33 |
| NO OF SAMPLES | | | | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 3 |

| | | | TEST-NAME: | | PHNOL | FEUT | CAUR | MGUR | COLAP | KKUR | NAUR | COD | ASUT | HGUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG |
| 80 02 16 1600 | | | .3 | 1 | 22.000 | 1.100 | 15.400 | 2.550 | 61.000 | | | 30 | 0.004 | 0.020 |
| 80 03 30 1405 | | | .3 | 1 | 1.000< | 2.900 | 21.000 | 3.650 | 36.000 | 2.30 | 9.500 | 60 | 0.003 | 0.060 |
| 80 06 22 1515 | | | .3 | 1 | 12.000 | | 16.400 | 2.600 | 10.000 | 0.80 | 2.500 | 24 | 0.003 | 0.030< |
| 80 09 06 1315 | | | .3 | 1 | 16.000 | 2.900 | 15.200 | 3.150 | 25.000 | 1.25 | 3.100 | 30 | 0.003 | 0.040< |
| 80 10 25 1155 | | | .3 | 1 | 6 | 2.600 | 21.000 | 4.850 | 70.000> | 2.40 | 6.700 | 25 | 0.004 | 0.08 |
| MAXIMUM | | | | | 22.000 | 2.900 | 21.000 | 4.850 | 70.000> | 2.40 | 9.500 | 60 | 0.004 | 0.08 |
| ARITH MEAN | | | | | 11 L | 2.375 | 17.800 | 3.360 | 40.400G | 1.69 | 5.450 | 34 | 0.003 | 0.04 L |
| GEOM MEAN | | | | | 7 L | 2.216 | 17.609 | 3.263 | 32.880G | 1.53 | 4.713 | 32 | 0.003 | 0.04 L |
| MINIMUM | | | | | 1.000< | 1.100 | 15.200 | 2.550 | 10.000 | 0.80 | 2.500 | 24 | 0.003 | 0.020< |
| STD DEV | | | | | 8 L | 0.862 | 2.956 | 0.946 | 24.906G | 0.79 | 3.276 | 15 | 0.001 | 0.02 L |
| NO OF SAMPLES | | | | | 5 | 4 | 5 | 5 | 5 | 4 | 4 | 5 | 5 | 5 |

| | | | TEST-NAME: | | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 02 16 1600 | | | .3 | 1 | 0.020< | | 0.010< | 0.030< | 0.005 < | 0.010< | 0.076 | 0.020< | 0.020 | 0.013 |
| 80 03 30 1405 | | | .3 | 1 | 0.940 | 0.020< | 0.020 | 0.030< | 0.005 < | 0.010< | 0.190 | 0.020< | 0.020< | 0.010< |
| 80 06 22 1515 | | | 3 | 1 | 0.040 | | 0.020 | 0.030< | 0.005 < | 0.010< | 1.400 | 0.020< | 0.020< | 0.020 |
| 80 09 06 1315 | | | 3 | 1 | 0.036 | 0.002< | 0.004 | 0.003< | 0.0002< | 0.005 | 0.058 | 0.006 | 0.002< | 0.020 |
| 80 10 25 1155 | | | 3 | 1 | 0.82 | 0.005 | 0.008 | 0.003< | 0.0002< | 0.019 | 0.150 | 0.003 | 0.002< | 0.01 < |
| MAXIMUM | | | | | 0.940 | 0.020 | 0.020 | 0.030 | 0.005 | 0.019 | 1.400 | 0.020 | 0.020 | 0.020 |
| ARITH MEAN | | | | | 0.37 L | 0.009L | 0.012L | 0.019L | 0.003 L | 0.011L | 0.375 | 0.014L | 0.013L | 0.01 L |
| GEOM MEAN | | | | | 0.11 L | 0.006L | 0.011L | 0.012L | 0.001 L | 0.010L | 0.177 | 0.011L | 0.008L | 0.01 L |
| MINIMUM | | | | | 0.020< | 0.002< | 0.004< | 0.003< | 0.0002< | 0.005< | 0.058 | 0.003< | 0.002< | 0.010< |
| STD DEV | | | | | 0.46 L | 0.010L | 0.007L | 0.015L | 0.002 L | 0.005L | 0.576 | 0.009L | 0.010L | 0.00 L |
| NO OF SAMPLES | | | | | 5 | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

B.O.W./ SITE: **FORT CREEK**
SAMPLE POINT: **AT MOUTH, SAULT STE MARIE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **FORT CREEK**

STATION ID: **13-0009-001-02**
STORET CODE: **02**
**002**
**8590**

LAT: LONG: U T M: **16 0703800.0 5154550.0 4** REGION: **05** DISTANCE: **0.161**

| | | | TEST-NAME: | | SAMPLE | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L |
| 80 06 22 1350 | | | .3 | 1 | 14071 | 19.0 | 7.0 | 0.088 | 0.003 | 0.002 | 0.800 | 0.022 | 0.296 | 0.320 |
| 80 09 06 1230 | | | .3 | 1 | 14097 | 17.0 | 8.0 | 0.062 | 0.011 | 0.046 | 0.500 | 0.016 | 0.309 | 0.371 |
| MAXIMUM | | | | | | 19.0 | 8.0 | 0.088 | 0.011 | 0.046 | 0.800 | 0.022 | 0.309 | 0.371 |
| ARITH MEAN | | | | | | 18.0 | 7.5 | 0.075 | 0.007 | 0.024 | 0.650 | 0.019 | 0.302 | 0.346 |
| GEOM MEAN | | | | | | 18.0 | 7.5 | 0.074 | 0.006 | 0.010 | 0.632 | 0.019 | 0.302 | 0.345 |
| MINIMUM | | | | | | 17.0 | 7.0 | 0.062 | 0.003 | 0.002 | 0.500 | 0.016 | 0.296 | 0.320 |
| STD DEV | | | | | | 1.4 | 0.7 | 0.018 | 0.006 | 0.031 | 0.212 | 0.004 | 0.009 | 0.036 |
| NO OF SAMPLES | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| | | | TEST-NAME: | | NNKUR | NNKI | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 06 22 1350 | | | .3 | 1 | 0.798 | 1.118 | 50.0 | 388.0 | 600.0 | 22.00 | 105.000 | 7.46 |
| 80 09 06 1230 | | | 3 | 1 | 0.454 | 0.825 | 30.0 | 313.0 | 460.0 | 4.00 | 70.500 | 7.87 |
| MAXIMUM | | | | | 0.798 | 1.118 | 50.0 | 388.0 | 600.0 | 22.00 | 105.000 | 7.87 |
| ARITH MEAN | | | | | 0.626 | 0.971 | 40.0 | 350.5 | 530.0 | 13.00 | 87.750 | 7.66 |
| GEOM MEAN | | | | | 0.602 | 0.960 | 38.7 | 348.6 | 525.4 | 9.38 | 86.038 | 7.66 |
| MINIMUM | | | | | 0.454 | 0.825 | 30.0 | 313.0 | 460.0 | 4.00 | 70.500 | 7.46 |
| STD DEV | | | | | 0.243 | 0.207 | 14.1 | 53.0 | 99.0 | 12.73 | 24.395 | 0.29 |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

B.O.W./ SITE **ROOT RIVER**
SAMPLE POINT **AT HWY.NO.17 EAST OF SAULT STE MARIE**
STATION TYPE **RIVER FLOW GAUGE FED 02CA002**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **ROOT RIVER**

STATION ID: **13-0011-001-02**
STORET CODE: **02 002 8570**

LAT. LONG. U T M: **16 0713250.0 5158350.0 4** REGION: **05** DISTANCE: **1.287**

| TEST-NAME: | | | | SAMPLE | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3 N FIL.REAC MG/L AS N |
| 80 06 21 1150 | | .3 | 1 | 14067 | 1.090 | 15.0 | 9.0 | 0.017 | 0.002 | 0.076 | 0.300 | 0.021 | 0.169 |
| 80 09 06 1135 | | .3 | 1 | 14093 | 0.095 | 15.0 | 9.0 | 0.017 | 0.005 | 0.052 | 0.320 | 0.006 | 0.324 |
| MAXIMUM | | | | | 1.090 | 15.0 | 9.0 | 0.017 | 0.005 | 0.076 | 0.320 | 0.021 | 0.324 |
| ARITH MEAN | | | | | 0.592 | 15.0 | 9.0 | 0.017 | 0.003 | 0.064 | 0.310 | 0.013 | 0.246 |
| GEOM MEAN | | | | | 0.322 | 15.0 | 9.0 | 0.017 | 0.003 | 0.063 | 0.310 | 0.011 | 0.234 |
| MINIMUM | | | | | 0.095 | 15.0 | 9.0 | 0.017 | 0.002 | 0.052 | 0.300 | 0.006 | 0.169 |
| STD DEV | | | | | 0.704 | 0.0 | 0.0 | 0.000 | 0.002 | 0.017 | 0.014 | 0.011 | 0.110 |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB | CLIDUR | PH | ALUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | ALUMINUM UNF.TOT. MG/L AS AL |
| 80 06 21 1150 | | .3 | 1 | 0.266 | 0.224 | 0.490 | 6.0 | 49.000 | 75.0 | 4.40 | 6.550 | 7.29 | |
| 80 09 06 1135 | | .3 | 1 | 0.382 | 0.268 | 0.650 | 5.0 | 69.000 | 106.0 | 2.70 | 8.400 | 7.20 | 0.14 |
| MAXIMUM | | | | 0.382 | 0.268 | 0.650 | 6.0 | 69.000 | 106.0 | 4.40 | 8.400 | 7.29 | 0.14 |
| ARITH MEAN | | | | 0.324 | 0.246 | 0.570 | 5.5 | 59.000 | 90.5 | 3.55 | 7.475 | 7.24 | 0.14 |
| GEOM MEAN | | | | 0.319 | 0.245 | 0.564 | 5.5 | 58.146 | 89.2 | 3.45 | 7.418 | 7.24 | |
| MINIMUM | | | | 0.266 | 0.224 | 0.490 | 5.0 | 49.000 | 75.0 | 2.70 | 6.550 | 7.20 | 0.14 |
| STD DEV | | | | 0.082 | 0.031 | 0.113 | 0.7 | 14.142 | 21.9 | 1.20 | 1.308 | 0.06 | |
| NO OF SAMPLES | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |

| TEST-NAME: | | | | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 09 06 1135 | | .3 | 1 | 0.001< | 0.003< | 0.001< | 0.002< |
| MAXIMUM | | | | 0.001 | 0.003 | 0.001 | 0.002 |
| ARITH MEAN | | | | 0.001L | 0.003L | 0.001L | 0.002L |
| GEOM MEAN | | | | | | | |
| MINIMUM | | | | 0.001< | 0.003< | 0.001< | 0.002< |
| STD DEV | | | | | | | |
| NO OF SAMPLES | | | | 1 | 1 | 1 | 1 |

B.O.W./ SITE **ROOT RIVER**
SAMPLE POINT **AT HWY.NO.17 NORTH OF SAULT STE MARIE**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **ROOT RIVER**

STATION ID: **13-0011-002-02**
STORET CODE **02 002 8570**

LAT LONG U T M **16 0705300.0 5160999.0 4** REGION **05** DISTANCE: **13.840**

| TEST-NAME: | | | | SAMPLE | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L |
| 80 06 22 1600 | | .3 | 1 | 14076 | 21.0 | 10.0 | 0.009 | 0.001 | 0.380 | 0.670 | 0.007 | 0.083 | 0.470 |
| 80 09 07 0845 | | .3 | 1 | 14102 | 14.0 | 11.0 | 0.007 | 0.002 | 1.620 | 2.200 | 0.015 | 0.655 | 2.290 |
| MAXIMUM | | | | | 21.0 | 11.0 | 0.009 | 0.002 | 1.620 | 2.200 | 0.015 | 0.655 | 2.290 |
| ARITH MEAN | | | | | 17.5 | 10.5 | 0.008 | 0.001 | 1.000 | 1.435 | 0.011 | 0.369 | 1.380 |
| GEOM MEAN | | | | | 17.1 | 10.5 | 0.008 | 0.001 | 0.785 | 1.214 | 0.010 | 0.233 | 1.037 |
| MINIMUM | | | | | 14.0 | 10.0 | 0.007 | 0.001 | 0.380 | 0.670 | 0.007 | 0.083 | 0.470 |
| STD DEV | | | | | 4.9 | 0.7 | 0.001 | 0.001 | 0.877 | 1.082 | 0.006 | 0.404 | 1.287 |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | NNKUR | NNKI | RSP | RSF | COND25 | TURB | CLIDUR | PH | ALUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU |
| 80 06 22 1600 | | .3 | 1 | 0.290 | 0.760 | 1.0 | 59.000 | 90.0 | 1.00 | 11.500 | 7.36 | 0.360 | 0.020 |
| 80 09 07 0845 | | 3 | 1 | 0.580 | 2.870 | 1.00 | 114.000 | 175.0 | 1.10 | 18.000 | 7.64 | | |
| MAXIMUM | | | | 0.580 | 2.870 | 1.0 | 114.000 | 175.0 | 1.10 | 18.000 | 7.64 | 0.360 | 0.020 |
| ARITH MEAN | | | | 0.435 | 1.815 | 1.0 | 86.500 | 132.5 | 1.05 | 14.750 | 7.50 | 0.360 | 0.020 |
| GEOM MEAN | | | | 0.410 | 1.477 | 1.0 | 82.012 | 125.5 | 1.05 | 14.387 | 7.50 | | |
| MINIMUM | | | | 0.290 | 0.760 | 1.0 | 59.000 | 90.0 | 1.00 | 11.500 | 7.36 | 0.360 | 0.020 |
| STD DEV | | | | 0.205 | 1.492 | 0.0 | 38.891 | 60.1 | 0.07 | 4.596 | 0.20 | | |
| NO OF SAMPLES | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 |

| TEST-NAME: | | | | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 06 22 1600 | | 3 | 1 | 0.030< | 0.110 | 0.020< |
| MAXIMUM | | | | 0.030 | 0.110 | 0.020 |
| ARITH MEAN | | | | 0.030L | 0.110 | 0.020L |
| GEOM MEAN | | | | | | |
| MINIMUM | | | | 0.030< | 0.110 | 0.020< |
| STD DEV | | | | | | |
| NO OF SAMPLES | | | | 1 | 1 | 1 |

B.O.W./ SITE: **GARDEN RIVER**
SAMPLE POINT: **HIGHWAY 17, GARDEN RIVER**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **GARDEN RIVER**

STATION ID: **13-0013-001-02**
STORET CODE: **02**
**002**
**8550**

LAT:
LONG:
U.T.M.: **16 0717900.0 5158150.0 4**
REGION: **05**
DISTANCE: **2.253**

| TEST-NAME: | | | | | SAMPLE | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L |
| 80 06 21 1130 | | | .3 | 1 | 14066 | 15.0 | 8.0 | 0.030 | 0.006 | 0.074 | 0.380 | 0.005 | 0.065 | 0.144 |
| 80 09 06 1120 | | | .3 | 1 | 14092 | 17.0 | 8.0 | 0.003 | 0.001 | 0.024 | 0.260 | 0.003 | 0.072 | 0.099 |
| **MAXIMUM** | | | | | | **17.0** | **8.0** | **0.030** | **0.006** | **0.074** | **0.380** | **0.005** | **0.072** | **0.144** |
| **ARITH MEAN** | | | | | | **16.0** | **8.0** | **0.016** | **0.003** | **0.049** | **0.320** | **0.004** | **0.068** | **0.121** |
| **GEOM MEAN** | | | | | | **16.0** | **8.0** | **0.009** | **0.002** | **0.042** | **0.314** | **0.004** | **0.068** | **0.119** |
| **MINIMUM** | | | | | | **15.0** | **8.0** | **0.003** | **0.001** | **0.024** | **0.260** | **0.003** | **0.065** | **0.099** |
| **STD DEV** | | | | | | **1.4** | **0.0** | **0.019** | **0.004** | **0.036** | **0.085** | **0.001** | **0.005** | **0.032** |
| **NO OF SAMPLES** | | | | | | **2** | **2** | **2** | **2** | **2** | **2** | **2** | **2** | **2** |

| TEST-NAME: | | | | | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH | ALUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | ALUMINUM UNF.TOT. MG/L AS AL |
| 80 06 21 1130 | | | .3 | 1 | 0.306 | 0.450 | 62.0 | 16.0 | 46.000 | 70.0 | 8.60 | 1.100 | 7.38 | 0.230 |
| 80 09 06 1120 | | | .3 | 1 | 0.236 | 0.335 | 60.0 | 3.0 | 57.000 | 87.0 | 1.50 | 1.550 | 7.45 | 0.086 |
| **MAXIMUM** | | | | | **0.306** | **0.450** | **62.0** | **16.0** | **57.000** | **87.0** | **8.60** | **1.550** | **7.45** | **0.230** |
| **ARITH MEAN** | | | | | **0.271** | **0.392** | **61.0** | **9.5** | **51.500** | **78.5** | **5.05** | **1.325** | **7.41** | **0.158** |
| **GEOM MEAN** | | | | | **0.269** | **0.388** | **61.0** | **6.9** | **51.205** | **78.0** | **3.59** | **1.308** | **7.41** | **0.141** |
| **MINIMUM** | | | | | **0.236** | **0.335** | **60.0** | **3.0** | **46.000** | **70.0** | **1.50** | **1.100** | **7.38** | **0.086** |
| **STD DEV** | | | | | **0.049** | **0.081** | **1.4** | **9.2** | **7.778** | **12.0** | **5.02** | **0.318** | **0.05** | **0.102** |
| **NO OF SAMPLES** | | | | | **2** | **2** | **2** | **2** | **2** | **2** | **2** | **2** | **2** | **2** |

| TEST-NAME: | | | | | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 06 21 1130 | | | .3 | 1 | 0.010< | 0.030< | 0.010< | 0.020< |
| 80 09 06 1120 | | | .3 | 1 | 0.001 | 0.003< | 0.001< | 0.002< |
| **MAXIMUM** | | | | | **0.010** | **0.030** | **0.010** | **0.020** |
| **ARITH MEAN** | | | | | **0.005L** | **0.016L** | **0.005L** | **0.011L** |
| **GEOM MEAN** | | | | | **0.003L** | **0.009L** | **0.003L** | **0.006L** |
| **MINIMUM** | | | | | **0.001<** | **0.003<** | **0.001<** | **0.002<** |
| **STD DEV** | | | | | **0.006L** | **0.019L** | **0.006L** | **0.013L** |
| **NO OF SAMPLES** | | | | | **2** | **2** | **2** | **2** |

B.O.W./ SITE: **THESSALON RIVER**
SAMPLE POINT: **AT MOUTH, SOUTH OF THESSALON**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **THESSALON RIVER**

STATION ID: **14-0003-001-02**
STORET CODE: **02**
**002**
**8210**

LAT:
LONG:
U.T.M.: **17 0302700.0 5125125.0 4**
REGION: **05**

| TEST-NAME: | | | | | SAMPLE | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L |
| 80 06 21 0930 | | | .3 | 1 | 14065 | 17.0 | 9.0 | 0.013 | 0.002 | 0.022 | 0.230 | 0.002 | 0.128 | 0.152 |
| 80 09 06 1020 | | | .3 | 1 | 14091 | 19.0 | 8.0 | 0.023 | 0.006 | 0.052 | 0.370 | 0.003 | 0.022 | 0.077 |
| **MAXIMUM** | | | | | | **19.0** | **9.0** | **0.023** | **0.006** | **0.052** | **0.370** | **0.003** | **0.128** | **0.152** |
| **ARITH MEAN** | | | | | | **18.0** | **8.5** | **0.018** | **0.004** | **0.037** | **0.300** | **0.002** | **0.075** | **0.114** |
| **GEOM MEAN** | | | | | | **18.0** | **8.5** | **0.017** | **0.003** | **0.034** | **0.292** | **0.002** | **0.053** | **0.108** |
| **MINIMUM** | | | | | | **17.0** | **8.0** | **0.013** | **0.002** | **0.022** | **0.230** | **0.002** | **0.022** | **0.077** |
| **STD DEV** | | | | | | **1.4** | **0.7** | **0.007** | **0.003** | **0.021** | **0.099** | **0.001** | **0.075** | **0.053** |
| **NO OF SAMPLES** | | | | | | **2** | **2** | **2** | **2** | **2** | **2** | **2** | **2** | **2** |

| TEST-NAME: | | | | | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH | ALUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | ALUMINUM UNF.TOT. MG/L AS AL |
| 80 06 21 0930 | | | .3 | 1 | 0.208 | 0.360 | 40.0 | 4.0 | 36.000 | 55.0 | 2.40 | 0.600 | 7.45 | 0.770 |
| 80 09 06 1020 | | | .3 | 1 | 0.318 | 0.395 | 67.0 | 7.0 | 60.000 | 92.0 | 3.40 | 1.150 | 7.48 | 0.29 |
| **MAXIMUM** | | | | | **0.318** | **0.395** | **67.0** | **7.0** | **60.000** | **92.0** | **3.40** | **1.150** | **7.48** | **0.770** |
| **ARITH MEAN** | | | | | **0.263** | **0.377** | **53.5** | **5.5** | **48.000** | **73.5** | **2.90** | **0.875** | **7.46** | **0.53** |
| **GEOM MEAN** | | | | | **0.257** | **0.377** | **51.8** | **5.3** | **46.476** | **71.1** | **2.86** | **0.831** | **7.46** | **0.47** |
| **MINIMUM** | | | | | **0.208** | **0.360** | **40.0** | **4.0** | **36.000** | **55.0** | **2.40** | **0.600** | **7.45** | **0.29** |
| **STD DEV** | | | | | **0.078** | **0.025** | **19.1** | **2.1** | **16.971** | **26.2** | **0.71** | **0.389** | **0.02** | **0.33** |
| **NO OF SAMPLES** | | | | | **2** | **2** | **2** | **2** | **2** | **2** | **2** | **2** | **2** | **2** |

| TEST-NAME: | | | | | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 06 21 0930 | | | .3 | 1 | 0.030 | 0.030< | 0.610 | 0.020< |
| 80 09 06 1020 | | | .3 | 1 | 0.001 | 0.003< | 0.001< | 0.002< |
| **MAXIMUM** | | | | | **0.030** | **0.030** | **0.610** | **0.020** |
| **ARITH MEAN** | | | | | **0.015** | **0.016L** | **0.305L** | **0.011L** |
| **GEOM MEAN** | | | | | **0.006** | **0.009L** | **0.025L** | **0.006L** |
| **MINIMUM** | | | | | **0.001** | **0.003<** | **0.001<** | **0.002<** |
| **STD DEV** | | | | | **0.021** | **0.019L** | **0.431L** | **0.013L** |
| **NO OF SAMPLES** | | | | | **2** | **2** | **2** | **2** |

| | | | |
|---|---|---|---|
| BOW / SITE | **MISSISSAGI RIVER** | | STATION ID **14-0012-001-02** |
| SAMPLE POINT | **AT MISSISSAGI CHUTE** | MAJOR BASIN **GREAT LAKES** | STORET CODE **02**<br>**002**<br>**8110** |
| STATION TYPE | **RIVER FLOW GAUGE FED 02CC008** | MINOR BASIN **LAKE HURON** | |
| | | TERM STREAM **MISSISSAGI RIVER** | |
| LAT | LONG | U T M: **17 0343360.0 5017525.0 4** | REGION: **05** DISTANCE: **3.862** |

| TEST-NAME: | | | | | SAMPLE | FWFLOW | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM FLOW M3 /S | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L |
| 80 02 28 1800 | | | .3 | 1 | 12000 | 87.200 | 0.017 | 0.011 | | 0.280 | 0.003 | 0.207 | | |
| 80 03 28 1700 | | | .3 | 1 | 12024 | 113.000 | 0.031 | 0.001< | 0.070 | 0.320 | 0.003 | 0.212 | 0.285 | 0.250 |
| 80 04 08 1800 | | | .3 | 1 | 12048 | 95.800 | 0.016 | 0.003 | | 0.240 | 0.038 | 0.202 | | |
| 80 04 15 1800 | | | .3 | 1 | 12050 | 273.000 | 0.018 | 0.004 | | 0.330 | 0.043 | 0.202 | | |
| 80 04 22 1800 | | | .3 | 1 | 12052 | 81.800 | 0.007 | 0.001 | | 0.220 | 0.003 | 0.177 | | |
| 80 04 29 1800 | | | .3 | 1 | 12054 | 244.000 | 0.010 | 0.001 | | 0.230 | 0.003 | 0.167 | | |
| 80 05 06 1800 | | | .3 | 1 | 12059 | 196.000 | 0.008 | 0.001< | | 0.220 | 0.002 | 0.138 | | |
| 80 05 13 1800 | | | .3 | 1 | 12061 | 194.000 | 0.019 | 0.001< | | 0.350 | 0.012 | 0.143 | | |
| 80 05 20 1700 | | | .3 | 1 | 12063 | 142.000 | 0.009 | 0.001< | | 0.210 | 0.003 | 0.137 | | |
| 80 05 27 1800 | | | .3 | 1 | 12087 | 79.900 | 0.009 | 0.001< | | 0.210 | 0.003 | 0.132 | | |
| 80 06 12 1800 | | | .3 | 1 | 12089 | 70.100 | 0.006 | 0.001 | | 0.190 | 0.004 | 0.146 | | |
| 80 06 25 1600 | | | .3 | 1 | 12091 | 152.000 | 0.006 | 0.005 | | 0.230 | 0.005 | 0.100 | | |
| 80 07 28 1800 | | | .3 | 1 | 12114 | 47.000 | 0.006 | 0.004 | 0.046 | | | 0.034 | | |
| 80 08 26 1700 | | | .3 | 1 | 12137 | 119.000 | 0.006 | 0.002 | | 0.190 | 0.002 | 0.088 | | |
| 80 09 26 1700 | | | .3 | 1 | 12160 | 118.000 | 0.003 | 0.001< | 0.014 | 0.130 | 0.001 | 0.019 | 0.034 | 0.116 |
| 80 10 26 1700 | | | .3 | 1 | 12183 | 43.700 | 0.006 | 0.001 | | 0.270 | 0.005 | 0.095 | | |
| MAXIMUM | | | | | | **273.000** | **0.031** | **0.011** | **0.070** | **0.350** | **0.043** | **0.212** | **0.285** | **0.250** |
| ARITH MEAN | | | | | | **128.631** | **0.011** | **0.002L** | **0.043** | **0.241** | **0.009** | **0.137** | **0.159** | **0.183** |
| GEOM MEAN | | | | | | **112.748** | **0.009** | **0.002L** | **0.036** | **0.234** | **0.004** | **0.118** | **0.098** | **0.170** |
| MINIMUM | | | | | | **43.700** | **0.003** | **0.001<** | **0.014** | **0.130** | **0.001** | **0.019** | **0.034** | **0.116** |
| STD DEV | | | | | | **67.727** | **0.007** | **0.003L** | **0.028** | **0.059** | **0.013** | **0.059** | **0.177** | **0.095** |
| NO OF SAMPLES | | | | | | **16** | **16** | **16** | **3** | **15** | **15** | **16** | **2** | **2** |

| TEST-NAME: | | | | | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH |
| 80 02 28 1800 | | | .3 | 1 | 0.490 | | 0.80 | 40.000 | 62.0 | | | | 19.0 | 7.21 |
| 80 03 28 1700 | | | .3 | 1 | 0.535 | 77.0 | 26.0 | 51.000 | 79.0 | 6.70 | 1.350 | 9.000 | | 7.91 |
| 80 04 08 1800 | | | .3 | 1 | 0.480 | | 10.00 | 36.000 | 55.0 | | | | 16.0 | 7.30 |
| 80 04 15 1800 | | | .3 | 1 | 0.575 | | 9.00 | 36.000 | 55.0 | | | | 15.0 | 7.20 |
| 80 04 22 1800 | | | .3 | 1 | 0.400 | | 4.00 | 33.000 | 50.0 | | | | 14.0 | 7.25 |
| 80 04 29 1800 | | | .3 | 1 | 0.400 | | 6.00 | 32.000 | 49.0 | | | | 14.0 | 7.22 |
| 80 05 06 1800 | | | .3 | 1 | 0.360 | | 3.00 | 36.000 | 55.0 | | | | 16.0 | 7.38 |
| 80 05 13 1800 | | | .3 | 1 | 0.505 | | 6.00 | 49.000 | 75.0 | | | | 12.0 | 7.18 |
| 80 05 20 1700 | | | .3 | 1 | 0.350 | | 2.00 | 39.000 | 60.0 | | | | 18.0 | 7.55 |
| 80 05 27 1800 | | | .3 | 1 | 0.345 | | 2.00 | 39.000 | 60.0 | | | | 19.0 | 7.57 |
| 80 06 12 1800 | | | .3 | 1 | 0.340 | | 2.00 | 39.000 | 60.0 | | | | 20.0 | 7.54 |
| 80 06 25 1600 | | | .3 | 1 | 0.335 | | 1.00 | 42.000 | 65.0 | | | | 25.0 | 7.50 |
| 80 07 28 1800 | | | .3 | 1 | | | 2.00 | 46.000 | | | 18.000 | | 25.0 | |
| 80 08 26 1700 | | | .3 | 1 | 0.280 | | 2.00 | 53.000 | 82.0 | | | | 26.0 | 7.25 |
| 80 09 26 1700 | | | .3 | 1 | 0.150 | 22.0 | 1.0 | 21.000 | 33.0 | 0.40 | 0.500 | 8.000 | | 7.32 |
| 80 10 26 1700 | | | .3 | 1 | 0.370 | | 4.00 | 41.000 | 63.0 | | | | 22.0 | 7.36 |
| MAXIMUM | | | | | **0.575** | **77.0** | **26.0** | **53.000** | **82.0** | **6.70** | **18.000** | **9.000** | **26.0** | **7.91** |
| ARITH MEAN | | | | | **0.394** | **49.5** | **5.0** | **39.562** | **60.2** | **3.55** | **6.617** | **8.500** | **18.6** | **7.38** |
| GEOM MEAN | | | | | **0.377** | **41.2** | **3.1** | **38.742** | **58.9** | **1.64** | **2.299** | **8.485** | **18.1** | **7.38** |
| MINIMUM | | | | | **0.150** | **22.0** | **0.80** | **21.000** | **33.0** | **0.40** | **0.500** | **8.000** | **12.0** | **7.18** |
| STD DEV | | | | | **0.109** | **38.9** | **6.2** | **7.891** | **12.3** | **4.45** | **9.867** | **0.707** | **4.5** | **0.20** |
| NO OF SAMPLES | | | | | **15** | **2** | **16** | **16** | **15** | **2** | **3** | **2** | **14** | **15** |

| TEST-NAME: | | | | | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT | P1PCBT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | PCB TOTAL UG/L |
| 80 02 28 1800 | | | .3 | 1 | 0.001 | 0.020< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | |
| 80 03 28 1700 | | | .3 | 1 | 0.001< | 0.03 | 0.02 < | 0.01 < | 0.03 < | 0.005 < | 0.01 < | |
| 80 04 08 1800 | | | .3 | 1 | 0.002 | 0.020< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | |
| 80 04 15 1800 | | | .3 | 1 | 0.004 | 0.020< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | |
| 80 04 22 1800 | | | .3 | 1 | 0.001< | 0.020< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | |
| 80 04 29 1800 | | | .3 | 1 | 0.001< | 0.020< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | |
| 80 05 06 1800 | | | .3 | 1 | 0.001< | 0.030< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | |
| 80 05 13 1800 | | | .3 | 1 | 0.001< | 0.030< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | |
| 80 05 20 1700 | | | .3 | 1 | 0.001< | 0.030< | 0.020< | 0.020 | 0.030< | 0.005 < | 0.010< | |
| 80 06 12 1800 | | | .3 | 1 | 0.001< | 0.030< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | |
| 80 07 28 1800 | | | .3 | 1 | | | 0.002< | | | 0.0002< | 0.001< | |
| 80 08 26 1700 | | | .3 | 1 | 0.001< | 0.040< | 0.003 | 0.001< | 0.003< | 0.0002< | 0.001< | |
| 80 09 26 1700 | | | .3 | 1 | | 0.020< | 0.020< | 0.001< | 0.003< | 0.0004 | 0.001< | |
| 80 10 26 1700 | | | .3 | 1 | 0.001< | 0.040< | 0.002< | 0.001< | 0.003< | 0.0002< | 0.001< | 0.020R |
| MAXIMUM | | | | | **0.004** | **0.040** | **0.020** | **0.020** | **0.030** | **0.005** | **0.010** | |
| ARITH MEAN | | | | | **0.001L** | **0.02 L** | **0.01 L** | **0.00 L** | **0.02 L** | **0.003 L** | **0.00 L** | |
| GEOM MEAN | | | | | **0.001L** | **0.02 L** | **0.01 L** | **0.00 L** | **0.01 L** | **0.002 L** | **0.00 L** | |
| MINIMUM | | | | | **0.001<** | **0.020<** | **0.002<** | **0.001<** | **0.003<** | **0.0002<** | **0.001<** | |
| STD DEV | | | | | **0.001L** | **0.00 L** | **0.00 L** | **0.00 L** | **0.01 L** | **0.002 L** | **0.00 L** | |
| NO OF SAMPLES | | | | | **12** | **13** | **14** | **13** | **13** | **14** | **14** | |

B.O.W / SITE: **MISSISSAGI RIVER**
SAMPLE POINT: **AT DEAN LAKE ROAD BRIDGE**
STATION TYPE: **RIVER FLOW GAUGE FED 02CC008**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **MISSISSAGI RIVER**

STATION ID: **14-0012-003-02**
STORET CODE: **02**
**002**
**8110**

LAT: LONG: U.T.M: **17 0333800.0 5123250.0 4** REGION: **05** DISTANCE: **16.415**

| TEST-NAME: | | | | | SAMPLE | FWFLOW | PPUT | PPO4FR | NNO3FR | RSP | COND25 | HGUT | CUUT | PBUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM FLOW M3 /S | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NO3-N FIL.REAC MG/L AS N | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | MERCURY UNF.TOT. UG/L AS HG | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB |
| 80 06 18 1115 | | | .3 | 1 | 76600 | 164.000 | 0.011 | 0.002 | 0.107 | 4.0 | 60.0 | 0.020< | 0.010< | 0.030< |
| 80 06 19 0940 | | | .3 | 1 | 76601 | 164.000 | 0.007 | 0.003 | 0.152 | 2.0 | 60.0 | 0.030< | 0.010< | 0.030< |
| 80 06 23 0930 | | | .3 | 1 | 76602 | 161.000 | 0.006 | 0.001 | 0.446 | 1.0 | 60.0 | 0.030< | 0.010< | 0.030< |
| 80 06 26 0850 | | | .3 | 1 | 76603 | 163.000 | 0.006 | 0.001 | 0.088 | 1.0 | 60.0 | 0.040< | 0.010< | 0.030< |
| 80 06 30 0735 | | | .3 | 1 | 76604 | 46.500 | 0.045 | 0.001 | 0.093 | 2.0 | 65.0 | 0.030< | 0.010< | 0.030< |
| 80 07 03 0735 | | | .3 | 1 | 76605 | 46.500 | 0.007 | 0.001< | 0.085 | 1.0 | 65.0 | 0.020< | 0.020 | 0.030< |
| 80 07 10 0740 | | | .3 | 1 | 76606 | 45.000 | 0.013 | | | 1.0 | 65.0 | 0.030< | | 0.030< |
| 80 07 17 0735 | | | .3 | 1 | 76607 | 97.900 | 0.010 | 0.001 | 0.077 | 2.0 | 60.0 | 0.040< | 0.010< | 0.030< |
| 80 07 24 0740 | | | .3 | 1 | 76608 | 52.400 | 0.010 | | | 1.0 | 65.0 | | | 0.030< |
| 80 07 31 0800 | | | .3 | 1 | 76609 | 46.400 | 0.007 | 0.003 | 0.016 | 2.0 | 65.0 | | | |
| 80 08 07 0835 | | | .3 | 1 | 76610 | 124.000 | 0.007 | | | 2.0 | 65.0 | 0.040< | | 0.006< |
| 80 08 14 0830 | | | .3 | 1 | 76611 | 93.400 | 0.007 | 0.001 | 0.066 | 3.0 | 65.0 | | | |
| 80 08 21 0835 | | | .3 | 1 | 76612 | 69.500 | 0.006 | | | 2.0 | 70.0 | 0.020< | | 0.003< |
| 80 08 28 0845 | | | .3 | 1 | 76613 | 162.000 | 0.006 | 0.001 | 0.042 | 4.0 | 70.0 | 0.040< | 0.001< | 0.003< |
| 80 09 04 0910 | | | .3 | 1 | 76614 | 118.000 | 0.012 | | | 2.0 | 69.0 | 0.030< | | 0.003< |
| 80 09 11 0725 | | | .3 | 1 | 76615 | 110.000 | 0.008 | 0.002 | 0.054 | 2.0 | 72.0 | 0.040< | 0.002 | 0.004 |
| 80 09 18 0845 | | | .3 | 1 | 76616 | 116.000 | 0.002 | | | 6.0 | 60.0 | 0.030< | | 0.003< |
| 80 09 25 0725 | | | .3 | 1 | 76617 | 111.000 | 0.010 | 0.004 | 0.054 | 0.3 | 60.0 | 0.030< | 0.001< | 0.008 |
| 80 10 01 0905 | | | .3 | 1 | 76618 | 45.500 | 0.006 | | | 0.8 | | 0.020< | | 0.003< |
| 80 10 09 0945 | | | .3 | 1 | 76619 | 43.600 | 0.014 | 0.001< | 0.063 | 2.0 | 62.0 | 0.040< | 0.001< | 0.003< |
| 80 10 16 0925 | | | .3 | 1 | 76620 | 45.700 | 0.010 | | | 3.0 | 60.0 | 0.040< | | 0.003< |
| 80 10 22 1005 | | | .3 | 1 | 76621 | 44.800 | 0.010 | 0.001< | 0.062 | 2.0 | 56.0 | 0.060 | 0.001< | 0.003< |
| 80 10 30 0915 | | | .3 | 1 | 76622 | 26.500 | 0.009 | | | 3.0 | 60.0 | 0.040< | | 0.003< |
| 80 11 06 0850 | | | .3 | 1 | 76623 | 46.300 | 0.004 | 0.001< | 0.078 | 4.0 | 62.0 | 0.040< | 0.001< | 0.003< |
| 80 11 13 1220 | | | .3 | 1 | 76624 | 63.000 | 0.006 | | | 4.0 | 58.0 | 0.030< | | 0.003< |
| 80 11 21 0945 | | | .3 | 1 | 76625 | 57.500 | 0.007 | | | 3.0 | 60.0 | 0.040< | | 0.003< |
| **MAXIMUM** | | | | | | **164.000** | **0.045** | **0.004** | **0.446** | **6.0** | **72.0** | **0.060** | **0.020** | **0.030** |
| **ARITH MEAN** | | | | | | **87.058** | **0.009** | **0.002L** | **0.099** | **2.3** | **63.0** | **0.034L** | **0.007L** | **0.013L** |
| **GEOM MEAN** | | | | | | **75.378** | **0.008** | **0.001L** | **0.076** | **1.9** | **62.8** | **0.033L** | **0.004L** | **0.008L** |
| **MINIMUM** | | | | | | **26.500** | **0.002** | **0.001<** | **0.016** | **0.3** | **56.0** | **0.020<** | **0.001<** | **0.003<** |
| **STD DEV** | | | | | | **46.999** | **0.008** | **0.001L** | **0.101** | **1.3** | **4.1** | **0.009L** | **0.006L** | **0.013L** |
| **NO OF SAMPLES** | | | | | | **26** | **26** | **15** | **15** | **26** | **25** | **23** | **13** | **24** |

| TEST-NAME: | | | | | CDUT |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CADMIUM UNF.TOT. MG/L AS CD |
| 80 06 18 1115 | | | .3 | 1 | 0.005 < |
| 80 06 19 0940 | | | .3 | 1 | 0.005 < |
| 80 06 23 0930 | | | .3 | 1 | 0.005 < |
| 80 06 26 0850 | | | .3 | 1 | 0.005 < |
| 80 06 30 0735 | | | .3 | 1 | 0.005 < |
| 80 07 03 0735 | | | .3 | 1 | 0.005 < |
| 80 07 10 0740 | | | .3 | 1 | 0.005 < |
| 80 07 17 0735 | | | .3 | 1 | 0.005 < |
| 80 07 24 0740 | | | .3 | 1 | 0.005 < |
| 80 08 07 0835 | | | .3 | 1 | 0.001 < |
| 80 08 21 0835 | | | .3 | 1 | 0.0002< |
| 80 08 28 0845 | | | .3 | 1 | 0.001 < |
| 80 09 04 0910 | | | .3 | 1 | 0.0002< |
| 80 09 11 0725 | | | .3 | 1 | 0.0002< |
| 80 09 18 0845 | | | .3 | 1 | 0.0002< |
| 80 09 25 0725 | | | .3 | 1 | 0.0002< |
| 80 10 01 0905 | | | .3 | 1 | 0.0002< |
| 80 10 09 0945 | | | .3 | 1 | 0.0002< |
| 80 10 16 0925 | | | .3 | 1 | 0.0002< |
| 80 10 22 1005 | | | .3 | 1 | 0.0002< |
| 80 10 30 0915 | | | .3 | 1 | 0.002 |
| 80 11 06 0850 | | | .3 | 1 | 0.0002< |
| 80 11 13 1220 | | | .3 | 1 | 0.0002< |
| 80 11 21 0945 | | | .3 | 1 | 0.0002< |
| **MAXIMUM** | | | | | **0.005** |
| **ARITH MEAN** | | | | | **0.002 L** |
| **GEOM MEAN** | | | | | **0.000 L** |
| **MINIMUM** | | | | | **0.0002<** |
| **STD DEV** | | | | | **0.002 L** |
| **NO OF SAMPLES** | | | | | **24** |

B.O.W / SITE: **BLIND RIVER**
SAMPLE POINT: **AT HIGHWAY 17 BRIDGE BLIND RIVER**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **BLIND RIVER**

STATION ID: **14-0014-003-02**
STORET CODE: **02**
**002**
**8090**

LAT: LONG: U.T.M: **17 0349020.0 5016350.0 4** REGION: **05** DISTANCE: **0.322**

| TEST-NAME: | | | | | SAMPLE | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 02 28 0815 | | | .3 | 1 | 12002 | 0.036 | 0.020 | 0.066 | 0.250 | 0.012 | 0.303 | 0.381 | 0.184 | 0.565 |
| 80 03 28 1630 | | | .3 | 1 | 12026 | 0.020 | 0.002 | 0.326 | 0.890 | 0.016 | 0.840 | 1.182 | 0.564 | 1.746 |
| 80 04 29 1630 | | | .3 | 1 | 12056 | 0.013 | 0.003 | 0.033 | 0.220 | 0.002 | 0.118 | 0.153 | 0.187 | 0.340 |
| 80 05 27 1630 | | | .3 | 1 | 12065 | 0.021 | 0.004 | 0.156 | 0.500 | 0.087 | 0.058 | 0.301 | 0.344 | 0.645 |
| 80 06 25 1630 | | | .3 | 1 | 12093 | 0.011 | 0.005 | 0.062 | 0.370 | 0.073 | 0.037 | 0.172 | 0.308 | 0.480 |
| 80 07 28 1730 | | | .3 | 1 | 12116 | 0.020 | 0.012 | 0.020 | 0.240 | 0.230 | 0.388 | 0.638 | 0.220 | 0.858 |
| 80 08 26 1730 | | | .3 | 1 | 12139 | 0.058 | 0.038 | 0.020 | 0.32 | 0.060 | 0.30 | 0.380 | 0.300 | 0.680 |
| 80 09 26 1730 | | | .3 | 1 | 12162 | 0.037 | 0.022 | 0.046 | 0.250 | 0.002 | 0.168 | 0.216 | 0.204 | 0.420 |
| 80 10 26 1730 | | | .3 | 1 | 12185 | 0.017 | 0.001 | 0.076 | 0.400 | 0.015 | 0.155 | 0.246 | 0.324 | 0.570 |
| **MAXIMUM** | | | | | | **0.058** | **0.038** | **0.326** | **0.890** | **0.230** | **0.840** | **1.182** | **0.564** | **1.746** |
| **ARITH MEAN** | | | | | | **0.026** | **0.012** | **0.089** | **0.38** | **0.066** | **0.26** | **0.408** | **0.293** | **0.700** |
| **GEOM MEAN** | | | | | | **0.023** | **0.007** | **0.060** | **0.34** | **0.022** | **0.18** | **0.330** | **0.275** | **0.625** |
| **MINIMUM** | | | | | | **0.011** | **0.001** | **0.020** | **0.220** | **0.002** | **0.037** | **0.153** | **0.184** | **0.340** |
| **STD DEV** | | | | | | **0.015** | **0.013** | **0.098** | **0.21** | **0.073** | **0.24** | **0.326** | **0.119** | **0.420** |
| **NO OF SAMPLES** | | | | | | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** |

(CONTD)

B O W / SITE **BLIND RIVER**
SAMPLE POINT **AT HIGHWAY 17 BRIDGE BLIND RIVER**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **BLIND RIVER**

STATION ID **14-0014-003-02**
STORET CODE **02**
**002**
**8090**

LAT LONG U T M **17 0349020.0 5016350.0 4** REGION **05** DISTANCE **0.322**

| | | | TEST-NAME: | | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FEUT | ALUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | IRON UNF.TOT. MG/L AS FE | ALUMINUM UNF TOT MG/L AS AL |
| 80 02 28 0815 | | | 3 | 1 | 33.0 | 2.0 | 31.000 | 48.0 | 1.10 | 0.700 | 9.500 | 6.73 | 0.180 | |
| 80 03 28 1630 | | | 3 | 1 | 39.0 | 3.0 | 36.000 | 56.0 | 9.70 | 1.100 | 10.000 | 7.43 | 0.320 | 0.180 |
| 80 04 29 1630 | | | 3 | 1 | 29.0 | 2.0 | 27.000 | 42.0 | 1.80 | 0.850 | 8.000 | 7.14 | 0.160 | 0.130 |
| 80 05 27 1630 | | | 3 | 1 | 40.0 | 4.0 | 36.000 | 55.0 | 2.50 | 1.250 | 8.000 | 0.44 | 0.440 | 0.130 |
| 80 06 25 1630 | | | 3 | 1 | 38.0 | 2.0 | 36 | 55.0 | 1.50 | 0.850 | 8.000 | 7.20 | 0.280 | 0.53 |
| 80 07 28 1730 | | | 3 | 1 | 26.0 | 3.0 | 23.000 | 55.0 | 1.10 | 1.400 | 8.000 | 6.62 | 0.250 | 0.096 |
| 80 08 26 1730 | | | 3 | 1 | 53 | 2 | 51 | 78 | 0.70 | 1.70 | 10.0 | 6.95 | 0.20 | 0.040 |
| 80 09 26 1730 | | | 3 | 1 | 37.0 | 3.0 | 34.000 | 53.0 | 1.30 | 1.350 | 9.500 | 6.99 | 0.160 | 0.075 |
| 80 10 26 1730 | | | 3 | 1 | 37.0 | 3.0 | 34.000 | 52.0 | 1.10 | 1.250 | 9.000 | 7.06 | 0.170 | 0.069 |
| MAXIMUM | | | | | **53** | **4.0** | **51** | **78** | **9.70** | **1.70** | **10.000** | **7.43** | **0.440** | **0.53** |
| ARITH MEAN | | | | | **36** | **2** | **34** | **54** | **2.31** | **1.16** | **8.8** | **6.28** | **0.24** | **0.15** |
| GEOM MEAN | | | | | **36** | **2** | **33** | **54** | **1.63** | **1.12** | **8.8** | **5.15** | **0.22** | **0.11** |
| MINIMUM | | | | | **26.0** | **2.0** | **23.000** | **42.0** | **0.70** | **0.700** | **8.000** | **0.44** | **0.180** | **0.040** |
| STD DEV | | | | | **7** | **0** | **7** | **9** | **2.82** | **0.31** | **0.8** | **2.20** | **0.09** | **0.15** |
| NO OF SAMPLES | | | | | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **8** |

| | | | TEST-NAME: | | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO ' ' LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 03 28 1630 | | | 3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020 < |
| 80 04 29 1630 | | | 3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< | 0.050 | 0.020 < |
| 80 05 27 1630 | | | 3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010 | 0.020< | 0.020 |
| 80 06 25 1630 | | | 3 | 1 | 0.01 < | 0.03 < | 0.005 < | 0.01 < | 0.02 < | 0.02 < |
| 80 07 28 1730 | | | 3 | 1 | 0.001< | 0.003< | 0.0002< | 0.001< | 0.002< | 0.002 < |
| 80 08 26 1730 | | | 3 | 1 | 0.002 | 0.003< | 0.0002< | 0.002 | 0.002< | 0.002 < |
| 80 09 26 1730 | | | 3 | 1 | 0.001 | 0.003 | 0.0002< | 0.003 | 0.002< | 0.002 < |
| 80 10 26 1730 | | | 3 | 1 | 0.004 | 0.003< | 0.0002< | 0.003 | 0.003< | 0.0005< |
| MAXIMUM | | | | | **0.01** | **0.03** | **0.005** | **0.01** | **0.050** | **0.02** |
| ARITH MEAN | | | | | **0.00 L** | **0.01 L** | **0.002 L** | **0.00 L** | **0.01 L** | **0.01 L** |
| GEOM MEAN | | | | | **0.00 L** | **0.00 L** | **0.001 L** | **0.00 L** | **0.00 L** | **0.00 L** |
| MINIMUM | | | | | **0.001<** | **0.003<** | **0.0002<** | **0.001<** | **0.002<** | **0.0005<** |
| STD DEV | | | | | **0.00 L** | **0.01 L** | **0.002 L** | **0.00 L** | **0.01 L** | **0.00 L** |
| NO OF SAMPLES | | | | | **8** | **8** | **8** | **8** | **8** | **8** |

B O W / SITE **SERPENT RIVER**
SAMPLE POINT **AT OLD HWY.NO.17 E.OF HWYS.108&17 57 2**
STATION TYPE **RIVER FLOW GAUGE FED 02CD001**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STATION ID **14-0019-001-02**
STORET CODE **02**
**002**
**8040**

LAT LONG U T M **17 0383350.0 5118400.0 4** REGION **05** DISTANCE **8.207**

| | | | TEST-NAME: | | SAMPLE | FWFLOW | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM FLOW M3 /S | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L |
| 80 02 28 0945 | | | 3 | 1 | 12004 | 10.700 | 0.018 | 0.002 | 0.570 | 1.000 | 0.009 | 2.490 | 3.069 | 0.430 |
| 80 03 28 1900 | | | 3 | 1 | 12028 | 11.300 | 0.020 | 0.001< | 0.330 | 0.750 | 0.007 | 1.140 | 1.477 | 0.420 |
| 80 04 29 1900 | | | 3 | 1 | 12058 | 53.300 | 0.008 | 0.001< | 0.310 | 0.550 | 0.005 | 1.400 | 1.715 | 0.240 |
| 80 05 27 1700 | | | 3 | 1 | 12067 | 25.800 | 0.009 | 0.001< | 0.370 | 0.650 | 0.210 | 2.040 | 2.620 | 0.280 |
| 80 06 25 1845 | | | 3 | 1 | 12095 | 12.200 | 0.005 | 0.001 | 0.460 | 0.690 | 0.016 | 0.489 | 0.965 | 0.230 |
| 80 07 29 1700 | | | 3 | 1 | 12118 | 5.380 | 0.004 | 0.001< | 0.650 | 1.140 | 0.015 | 2.680 | 3.345 | 0.490 |
| 80 08 26 1500 | | | 3 | 1 | 12141 | 4.570 | 0.032 | 0.014 | 0.292 | 0.72 | 0.018 | 2.48 | 2.790 | 0.428 |
| 80 09 26 1700 | | | 3 | 1 | 12164 | 9.200 | 0.017 | 0.001< | 0.400 | 0.950 | 0.005 | 2.000 | 2.405 | 0.550 |
| 80 10 26 1700 | | | 3 | 1 | 12187 | 17.900 | 0.004 | 0.001 | 0.258 | 0.620 | 0.005 | 1.650 | 1.913 | 0.362 |
| MAXIMUM | | | | | | **53.300** | **0.032** | **0.014** | **0.650** | **1.140** | **0.210** | **2.680** | **3.345** | **0.550** |
| ARITH MEAN | | | | | | **16.706** | **0.013** | **0.003L** | **0.404** | **0.78** | **0.032** | **1.81** | **2.256** | **0.381** |
| GEOM MEAN | | | | | | **12.636** | **0.010** | **0.001L** | **0.387** | **0.76** | **0.012** | **1.64** | **2.114** | **0.366** |
| MINIMUM | | | | | | **4.570** | **0.004** | **0.001<** | **0.258** | **0.550** | **0.005** | **0.489** | **0.965** | **0.230** |
| STD DEV | | | | | | **15.189** | **0.009** | **0.004L** | **0.133** | **0.19** | **0.067** | **0.72** | **0.788** | **0.112** |
| NO OF SAMPLES | | | | | | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **8** |

| | | | TEST-NAME: | | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | IRON UNF.TOT. MG/L AS FE |
| 80 02 28 0945 | | | 3 | 1 | 3.499 | 134.0 | 7.0 | 127.000 | 195.0 | 3.30 | 4.150 | 63.000 | 6.38 | 0.390 |
| 80 03 28 1900 | | | 3 | 1 | 1.897 | 73.0 | 7.0 | 66.000 | 102.0 | 3.40 | 3.050 | 28.000 | 6.63 | 0.550 |
| 80 04 29 1900 | | | 3 | 1 | 1.955 | 54.0 | 2.0 | 52.000 | 130.0 | 1.30 | 3.400 | 39.500 | 6.72 | 0.150 |
| 80 05 27 1700 | | | 3 | 1 | 2.900 | 110.0 | 3.0 | 107.000 | 165.0 | 1.00 | 3.150 | 49.500 | 6.66 | 0.270 |
| 80 06 25 1845 | | | 3 | 1 | 1.195 | 129.0 | 2.0 | 127.000 | 195.0 | 1.10 | 3.900 | 60.500 | 7.05 | 0.110 |
| 80 07 29 1700 | | | 3 | 1 | 3.835 | 143.0 | 3.0 | 140.000 | 215.0 | 0.95 | 4.550 | 66.500 | 6.73 | 0.110 |
| 80 08 26 1500 | | | 3 | 1 | 3.218 | 134 | 4 | 130 | 200 | 0.50 | 4.55 | 61 | 6.45 | 0.18 |
| 80 09 26 1700 | | | 3 | 1 | 2.955 | 110.0 | 3.0 | 107.000 | 165.0 | 1.00 | 4.150 | 49.500 | 7.55 | 0.160 |
| 80 10 26 1700 | | | 3 | 1 | 2.275 | 95.0 | 3.0 | 92.000 | 141.0 | 0.81 | 3.600 | 42.500 | 5.57 | 0.170 |
| MAXIMUM | | | | | **3.835** | **143.0** | **7.0** | **140.000** | **215.0** | **3.40** | **4.55** | **66.500** | **7.55** | **0.550** |
| ARITH MEAN | | | | | **2.637** | **109** | **3** | **105** | **167** | **1.46** | **3.83** | **51** | **6.64** | **0.23** |
| GEOM MEAN | | | | | **2.494** | **104** | **3** | **100** | **163** | **1.22** | **3.79** | **49** | **6.62** | **0.20** |
| MINIMUM | | | | | **1.195** | **54.0** | **2.0** | **52.000** | **102.0** | **0.50** | **3.050** | **28.000** | **5.57** | **0.110** |
| STD DEV | | | | | **0.859** | **30** | **1** | **30** | **37** | **1.08** | **0.56** | **12** | **0.53** | **0.14** |
| NO OF SAMPLES | | | | | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** |

(CONTD)

| TEST-NAME: | | | | | ALUT | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT | RA226F | GACF | GACP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L |
| 80 02 28 0945 | | | .3 | 1 | | | | | | | | 3 | 98 | 5 |
| 80 03 28 1900 | | | .3 | 1 | 0.320 | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020 < | | | |
| 80 04 29 1900 | | | .3 | 1 | 0.190 | 0.010< | 0.030< | 0.005 < | 0.010< | 0.100 | 0.020 < | 1 | 5 | 1 |
| 80 05 27 1700 | | | .3 | 1 | 0.110 | 0.010< | 0.030< | 0.005 < | 0.020 | 0.020< | 0.020 < | 2 | 13 | 1< |
| 80 06 25 1845 | | | .3 | 1 | 0.27 | 0.01 < | 0.03 < | 0.005 < | 0.01 < | 0.02 | 0.02 < | 2 | 8 | 2 |
| 80 07 29 1700 | | | .3 | 1 | 0.074 | 0.001< | 0.003< | 0.0002 | 0.001< | 0.002< | 0.024 | | | |
| 80 08 26 1500 | | | .3 | 1 | 0.039 | 0.002 | 0.003< | 0.0004 | 0.006 | 0.002 | 0.002 < | | | |
| 80 09 26 1700 | | | .3 | 1 | 0.072 | 0.001< | 0.003< | 0.0002< | 0.006 | 0.002< | 0.002 < | 2 | 8 | 1 |
| 80 10 26 1700 | | | .3 | 1 | 0.083 | 0.001 | 0.003< | 0.0002< | 0.006 | 0.003< | 0.0005< | 2 | 5 | 1 |
| MAXIMUM | | | | | 0.320 | 0.01 | 0.03 | 0.006 | 0.020 | 0.100 | 0.024 | 3 | 98 | 5 |
| ARITH MEAN | | | | | 0.14 | 0.00 L | 0.01 L | 0.002 L | 0.00 L | 0.02 L | 0.01 L | 2 | 23 | 2L |
| GEOM MEAN | | | | | 0.11 | 0.00 L | 0.00 L | 0.001 L | 0.00 L | 0.00 L | 0.00 L | 2 | 11 | 1L |
| MINIMUM | | | | | 0.039 | 0.001< | 0.003< | 0.0002< | 0.001< | 0.002< | 0.0005< | 1 | 5 | 1< |
| STD DEV | | | | | 0.10 | 0.00 L | 0.01 L | 0.002 L | 0.00 L | 0.03 L | 0.01 L | 1 | 37 | 2L |
| NO OF SAMPLES | | | | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 6 | 6 |

| TEST-NAME: | | | | | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 02 28 0945 | | | .3 | 1 | 11 | 5 | 60 |
| 80 04 29 1900 | | | .3 | 1 | 4 | 1 | 10< |
| 80 05 27 1700 | | | .3 | 1 | 9 | 1< | 10< |
| 80 06 25 1845 | | | .3 | 1 | 8 | 1 | 10< |
| 80 09 26 1700 | | | .3 | 1 | 9 | 1 | 10< |
| 80 10 26 1700 | | | .3 | 1 | 6 | 1< | 10< |
| MAXIMUM | | | | | 11 | 5 | 60 |
| ARITH MEAN | | | | | 8 | 2L | 18L |
| GEOM MEAN | | | | | 7 | 1L | 13L |
| MINIMUM | | | | | 4 | 1< | 10< |
| STD DEV | | | | | 2 | 2L | 20L |
| NO OF SAMPLES | | | | | 6 | 6 | 6 |

B.O.W / SITE **DEPOT LAKE OUTLET**
SAMPLE POINT **AT LAKE DEPOT 52 1**
STATION TYPE **RIVER FLOW GAUGE MOE 02CD101**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STATION ID **14-0019-002-02**
STORET CODE **02**
**002**
**8040**

LAT LONG U.T.M **17 0381500.0 5132250.0 4** REGION **05** DISTANCE **46.500**

| TEST-NAME: | | | | | SAMPLE | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 02 20 1030 | | | .3 | 1 | 12005 | 0.015 | 0.006 | 0.051 | 0.320 | 0.003 | 0.372 | 0.426 | 0.269 | 0.695 |
| 80 03 29 0800 | | | .3 | 1 | 12029 | 0.010 | 0.001 | 0.044 | 0.250 | 0.005 | 0.365 | 0.414 | 0.206 | 0.620 |
| 80 05 26 1750 | | | .3 | 1 | 12068 | 0.008 | 0.001 | 0.070 | 0.300 | 0.003 | 0.077 | 0.150 | 0.230 | 0.380 |
| 80 06 22 0800 | | | .3 | 1 | 12096 | 0.006 | 0.001 | 0.082 | 0.290 | 0.003 | 0.512 | 0.597 | 0.208 | 0.805 |
| 80 07 25 1630 | | | .3 | 1 | 12119 | 0.009 | 0.003 | 0.066 | 0.250 | 0.018 | 0.007 | 0.091 | 0.184 | 0.275 |
| 80 08 27 1730 | | | .3 | 1 | 12142 | 0.007 | 0.001 | 0.036 | 0.26 | 0.001< | 0.005 | 0.042 | 0.224 | 0.266 |
| 80 09 25 1730 | | | .3 | 1 | 12165 | 0.010 | 0.001< | 0.120 | 0.400 | 0.001 | 0.039 | 0.160 | 0.280 | 0.440 |
| 80 10 25 1730 | | | .3 | 1 | 12188 | 0.005 | 0.001 | 0.044 | 0.300 | 0.002 | 0.068 | 0.114 | 0.256 | 0.370 |
| MAXIMUM | | | | | | 0.015 | 0.006 | 0.120 | 0.400 | 0.018 | 0.512 | 0.597 | 0.280 | 0.805 |
| ARITH MEAN | | | | | | 0.009 | 0.002L | 0.064 | 0.29 | 0.004L | 0.181 | 0.249 | 0.232 | 0.481 |
| GEOM MEAN | | | | | | 0.008 | 0.001L | 0.060 | 0.29 | 0.003L | 0.069 | 0.180 | 0.230 | 0.446 |
| MINIMUM | | | | | | 0.005 | 0.001< | 0.036 | 0.250 | 0.001< | 0.005 | 0.042 | 0.184 | 0.266 |
| STD DEV | | | | | | 0.003 | 0.002L | 0.027 | 0.04 | 0.006L | 0.202 | 0.201 | 0.034 | 0.201 |
| NO OF SAMPLES | | | | | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FEUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURBIDITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | IRON UNF.TOT. MG/L AS FE | COPPER UNF.TOT. MG/L AS CU |
| 80 02 20 1030 | | | .3 | 1 | 117.0 | 0.4 | 117.000 | 180.0 | 0.60 | 9.150 | 38.000 | 6.84 | 0.070 | |
| 80 03 29 0800 | | | .3 | 1 | 88.0 | 0.8 | 87.000 | 134.0 | 1.30 | 11.500 | 29.500 | 6.67 | 0.180 | 0.010< |
| 80 05 26 1750 | | | .3 | 1 | 76.0 | 1.0 | 75.000 | 115.0 | 0.75 | 7.250 | 29.0 | 6.89 | 0.030 | 0.010 |
| 80 06 22 0800 | | | .3 | 1 | 79.0 | 1.0 | 78.000 | 120.0 | 0.70 | 7.500 | [illegible].000 | 7.01 | 0.030 | |
| 80 07 25 1630 | | | .3 | 1 | 82.0 | 1.0 | 81.000 | 125.0 | 0.70 | 8.000 | 33.000 | 7.01 | 0.020 | 0.001< |
| 80 08 27 1730 | | | .3 | 1 | 125 | 1 | | 190 | 0.29 | 8.55 | 34.5 | 7.22 | 0.02 | 0.001< |
| 80 09 25 1730 | | | .3 | 1 | 88.0 | 3.0 | 85.000 | 130.0 | 0.60 | 8.450 | 34.000 | 7.22 | 0.040 | 0.001 |
| 80 10 25 1730 | | | .3 | 1 | 88.0 | 2.0 | 86.000 | 132.0 | 0.58 | 8.250 | 33.000 | 6.98 | 0.060 | 0.010< |
| MAXIMUM | | | | | 125 | 3.0 | 117.000 | 190 | 1.30 | 11.500 | 38.000 | 7.22 | 0.180 | 0.010 |
| ARITH MEAN | | | | | 92 | 1 | 87.000 | 140 | 0.69 | 8.58 | 32.8 | 6.98 | 0.06 | 0.006L |
| GEOM MEAN | | | | | 91 | 1 | 86.183 | 138 | 0.64 | 8.50 | 32.7 | 6.98 | 0.04 | 0.003L |
| MINIMUM | | | | | 76.0 | 0.4 | 75.000 | 115.0 | 0.29 | 7.250 | 29.0 | 6.67 | 0.020 | 0.001< |
| STD DEV | | | | | 18 | 0 | 13.940 | 28 | 0.28 | 1.32 | 2.8 | 0.19 | 0.05 | 0.006L |
| NO OF SAMPLES | | | | | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 6 |

| TEST-NAME | | | | | PBUT | CDUT | ZNUT | COUT | RA226F | GACF | GACP | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 02 20 1030 | | | .3 | 1 | | | | | 1< | 2 | 1< | 2 | 1< | 10< |
| 80 03 29 0800 | | | .3 | 1 | 0.030< | 0.005 < | 0.010< | 0.020< | | | | | | |
| 80 05 26 1750 | | | .3 | 1 | 0.030< | 0.005 < | 0.010< | 0.020< | 1< | 1 | 1< | 2 | 1< | 10< |
| 80 06 22 0800 | | | .3 | 1 | | | | | 1< | 1< | 1< | 2 | 1< | 10< |
| 80 07 25 1630 | | | .3 | 1 | 0.003< | 0.0002< | 0.001< | 0.002< | 1< | 1< | 1 | 2 | 1 | 10< |
| 80 08 27 1730 | | | .3 | 1 | 0.003< | 0.0003 | 0.001< | 0.002< | 1< | 1< | 1< | 2 | 1< | 10< |
| 80 09 25 1730 | | | .3 | 1 | 0.003< | 0.0002< | 0.003 | 0.002< | 1< | 1 | 1 | 2 | 1< | 10< |
| 80 10 25 1730 | | | .3 | 1 | 0.003< | 0.0002< | 0.130 | 0.002< | 1< | 1< | 1 | 3 | 1 | 10< |
| MAXIMUM | | | | | 0.030 | 0.005 | 0.130 | 0.020 | 1 | 2 | 1 | 3 | 1 | 10 |
| ARITH MEAN | | | | | 0.012L | 0.001 L | 0.026L | 0.008L | 1L | 1L | 1L | 2 | 1L | 10L |
| GEOM MEAN | | | | | 0.008L | 0.000 L | 0.006L | 0.004L | 1L | 1L | 1L | 2 | 1L | 10L |
| MINIMUM | | | | | 0.003< | 0.0002< | 0.001< | 0.002< | 1< | 1< | 1< | 2 | 1< | 10< |
| STD DEV | | | | | 0.014L | 0.002 L | 0.051L | 0.009L | 0L | 0L | 0L | 0 | 0L | 0L |
| NO OF SAMPLES | | | | | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

ROW / SITE **PECORS LAKE OUTLET**
SAMPLE POINT **AT PECORS LAKE 38 1**
STATION TYPE **RIVER FLOW GAUGE FED 02CD004**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STATION ID **14-0019-003-02**

STORET CODE **02**
**002**
**0040**

LAT LONG U T M **17 0389400.0 5136400.0 4** REGION **05** DISTANCE **47.796**

| TEST-NAME: | | | | | SAMPLE | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 02 22 1700 | | | 3 | 1 | 12022 | 0.016 | 0.001< | 0.600 | 0.960 | 0.013 | 2.540 | 3.153 | 0.360 | 3.513 |
| 80 03 30 1300 | | | 3 | 1 | 12046 | 0.014 | 0.001 | 0.370 | 0.720 | 0.007 | 1.200 | 1.577 | 0.350 | 1.927 |
| 80 06 22 1100 | | | 3 | 1 | 12112 | 0.004 | 0.001< | 1.270 | 1.450 | 0.033 | 4.670 | 5.973 | 0.180 | 6.153 |
| 80 07 31 1730 | | | 3 | 1 | 12135 | 0.001< | 0.001< | 1.330 | 1.420 | 0.054 | 4.000 | 5.384 | 0.090 | 5.474 |
| 80 08 29 1700 | | | 3 | 1 | 12158 | 0.001 | 0.001 | 0.660 | 0.96 | 0.018 | 1.98 | 2.658 | 0.300 | 2.958 |
| 80 09 28 1700 | | | 3 | 1 | 12181 | 0.001 | 0.001 | 0.238 | 0.370 | 0.004 | 0.496 | 0.738 | 0.132 | 0.870 |
| 80 10 28 1700 | | | 3 | 1 | 12204 | | | | | | | | | |
| MAXIMUM | | | | | | **0.016** | **0.001** | **1.330** | **1.450** | **0.054** | **4.670** | **5.973** | **0.360** | **6.153** |
| ARITH MEAN | | | | | | **0.006L** | **0.001L** | **0.745** | **0.98** | **0.021** | **2.48** | **3.247** | **0.235** | **3.482** |
| GEOM MEAN | | | | | | **0.003L** | **0.001L** | **0.624** | **0.89** | **0.015** | **1.95** | **2.807** | **0.208** | **2.893** |
| MINIMUM | | | | | | **0.001<** | **0.001<** | **0.238** | **0.370** | **0.004** | **0.496** | **0.738** | **0.090** | **0.870** |
| STD DEV | | | | | | **0.007L** | **0.000L** | **0.457** | **0.41** | **0.019** | **1.60** | **2.071** | **0.118** | **2.031** |
| NO OF SAMPLES | | | | | | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** |

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FEUT | ALUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURBITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | IRON UNF.TOT. MG/L AS FE | ALUMINUM UNF.TOT. MG/L AS AL |
| 80 02 22 1700 | | | 3 | 1 | 133.0 | 6.0 | 127.000 | 195.0 | 3.25 | 4.350 | 66.000 | 6.55 | 0.360 | |
| 80 03 30 1300 | | | 3 | 1 | 72.0 | 5.0 | 67.000 | 103.0 | 3.50 | 3.150 | 27.500 | 6.68 | 0.530 | 0.300 |
| 80 06 22 1100 | | | 3 | 1 | 183.0 | 1.0 | 182.000 | 280.0 | 0.55 | 4.000 | 95.500 | 6.94 | | 0.07 |
| 80 07 31 1730 | | | 3 | 1 | 187.0 | 2.0 | 185.000 | 285.0 | 0.40 | 4.250 | 105.000 | 6.27 | 0.030 | 0.14 |
| 80 08 29 1700 | | | 3 | 1 | 173 | 1 | 172 | 265 | 1.1 | 3.15 | 95 | 6.35 | 0.25 | 0.140 |
| 80 09 28 1700 | | | 3 | 1 | 121.0 | 4.0 | 117.000 | 180.0 | 0.35 | 2.650 | 64.500 | 6.75 | 0.040 | 0.180 |
| 80 10 28 1700 | | | 3 | 1 | | | | | | | | | | 0.220 |
| MAXIMUM | | | | | **187.0** | **6.0** | **185.000** | **285.0** | **3.50** | **4.350** | **105.000** | **6.94** | **0.530** | **0.300** |
| ARITH MEAN | | | | | **144** | **3** | **141** | **218** | **1.5** | **3.59** | **75** | **6.59** | **0.24** | **0.17** |
| GEOM MEAN | | | | | **137** | **2** | **133** | **206** | **0.9** | **3.53** | **69** | **6.59** | **0.14** | **0.15** |
| MINIMUM | | | | | **72.0** | **1.0** | **67.000** | **103.0** | **0.35** | **2.650** | **27.500** | **6.27** | **0.030** | **0.07** |
| STD DEV | | | | | **44** | **2** | **46** | **71** | **1.4** | **0.70** | **29** | **0.26** | **0.21** | **0.07** |
| NO OF SAMPLES | | | | | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **5** | **6** |

| TEST-NAME: | | | | | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT | RA226F | GACF | GACP | GBCF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L |
| 80 02 22 1700 | | | 3 | 1 | | | | | | | 2 | 6 | 3 | 6 |
| 80 03 30 1300 | | | 3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020< | 1< | 4 | 2 | 4 |
| 80 07 31 1730 | | | 3 | 1 | 0.001< | 0.005 | 0.0002 | 0.010 | 0.006 | 0.002< | 3 | 14 | 1 | 14 |
| 80 08 29 1700 | | | 3 | 1 | 0.002 | 0.006 | 0.0001 | 0.021 | 0.010 | 0.010 | 4 | 15 | 1 | 17 |
| 80 09 28 1700 | | | 3 | 1 | 0.003 | 0.003< | 0.0002< | 0.024 | 0.006 | 0.008 | 5 | 20 | 1 | 15 |
| 80 10 28 1700 | | | 3 | 1 | 0.008 | 0.003< | 0.0002< | 0.022 | 0.006 | 0.007 | 5 | 18 | 1 | 14 |
| MAXIMUM | | | | | **0.010** | **0.030** | **0.005** | **0.024** | **0.020** | **0.020** | **5** | **20** | **3** | **17** |
| ARITH MEAN | | | | | **0.005L** | **0.009L** | **0.001 L** | **0.017L** | **0.010L** | **0.009L** | **3L** | **13** | **1** | **12** |
| GEOM MEAN | | | | | **0.003L** | **0.006L** | **0.000 L** | **0.016L** | **0.008L** | **0.007L** | **3L** | **11** | **1** | **10** |
| MINIMUM | | | | | **0.001<** | **0.003<** | **0.0001<** | **0.010<** | **0.006<** | **0.002<** | **1<** | **4** | **1** | **4** |
| STD DEV | | | | | **0.004L** | **0.012L** | **0.002 L** | **0.007L** | **0.006L** | **0.007L** | **2L** | **6** | **1** | **5** |
| NO OF SAMPLES | | | | | **5** | **6** | **6** | **5** | **6** | **5** | **6** | **6** | **6** | **6** |

| TEST-NAME: | | | | | GBCP | UU238 |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 02 22 1700 | | | 3 | 1 | 2 | 10< |
| 80 03 30 1300 | | | 3 | 1 | 1 | 10< |
| 80 07 31 1730 | | | 3 | 1 | 1 | 10< |
| 80 08 29 1700 | | | 3 | 1 | 1 | 10< |
| 80 09 28 1700 | | | 3 | 1 | 1< | 10< |
| 80 10 28 1700 | | | 3 | 1 | 1< | 10< |
| MAXIMUM | | | | | **2** | **10** |
| ARITH MEAN | | | | | **1L** | **10L** |
| GEOM MEAN | | | | | **1L** | **10L** |
| MINIMUM | | | | | **1<** | **10<** |
| STD DEV | | | | | **0L** | **0L** |
| NO OF SAMPLES | | | | | **6** | **6** |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **PECORS LAKE INLET**
SAMPLE POINT: **AT PECORS LAKE 37 1**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SERPENT RIVER**

STATION ID: **14-0019-004-02**
STORET CODE: **02**
**002**
**0040**

LAT: LONG: U T M: **17 0384800.0 5138650.0 4** REGION: **05** DISTANCE: **54.716**

| TEST-NAME: | | | | | SAMPLE | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 02 22 1800 | | | .3 | 1 | 12023 | 0 013 | 0 001 | 0 590 | 0 950 | 0 012 | 2 540 | 3 142 | 0 360 | 3 502 |
| 80 03 30 1400 | | | .3 | 1 | 12047 | 0 024 | 0 001< | 0 370 | 0 810 | 0 010 | 1 190 | 1 570 | 0 440 | 2 010 |
| 80 06 22 1000 | | | .3 | 1 | 12113 | 0 005 | 0 001< | 0 358 | 0 510 | 0 010 | 0 950 | 1 318 | 0 152 | 1 470 |
| 80 07 31 1600 | | | 3 | 1 | 12136 | 0 001< | 0 001< | 0 570 | 0 630 | 0 019 | 1 410 | 1 999 | 0 060 | 2 059 |
| 80 08 29 1800 | | | 3 | 1 | 12159 | 0 001 | 0 001 | 1 22 | 1 40 | 0 039 | 4 71 | 5 969 | 0 180 | 6 149 |
| 80 09 28 1800 | | | 3 | 1 | 12182 | 0 002 | 0 002 | 0 234 | 0 290 | 0 011 | 0 509 | 0 754 | 0 056 | 0 810 |
| 80 10 28 1800 | | | 3 | 1 | 12205 | | | | | | | | | |
| MAXIMUM | | | | | | 0.024 | 0.002 | 1.22 | 1.40 | 0.039 | 4.71 | 5.969 | 0.440 | 6.149 |
| ARITH MEAN | | | | | | 0.008L | 0.001L | 0.55 | 0.76 | 0.017 | 1.88 | 2.459 | 0.208 | 2.667 |
| GEOM MEAN | | | | | | 0.004L | 0.001L | 0.48 | 0.68 | 0.015 | 1.46 | 1.970 | 0.166 | 2.176 |
| MINIMUM | | | | | | 0.001< | 0.001< | 0.234 | 0.290 | 0.010 | 0.509 | 0.754 | 0.056 | 0.810 |
| STD DEV | | | | | | 0.008L | 0.000L | 0.35 | 0.38 | 0.011 | 1.54 | 1.897 | 0.159 | 1.924 |
| NO OF SAMPLES | | | | | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FEUT | ALUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | IRON UNF.TOT. MG/L AS FE | ALUMINUM UNF.TOT. MG/L AS AL |
| 80 02 22 1800 | | | 3 | 1 | 130 0 | 3 0 | 127 000 | 195 0 | 2 50 | 4 250 | 60 000 | 6 42 | 0 270 | |
| 80 03 30 1400 | | | 3 | 1 | 79 0 | 15 0 | 64 000 | 99 0 | 4 10 | 3 100 | 27 000 | 6 59 | 0 690 | 0 310 |
| 80 06 22 1000 | | | 3 | 1 | 118 0 | 1 0 | 117 000 | 180 0 | 0 65 | 2 400 | 13 500 | 6 52 | 0 080 | 0 21 |
| 80 07 31 1600 | | | 3 | 1 | 141 0 | 1 0 | 140 000 | 215 0 | 0 40 | 3 000 | 77 000 | 6 53 | 0 030 | 0 14 |
| 80 08 29 1800 | | | 3 | 1 | 185 | 2 | 172 | 285 | 0 33 | 4 15 | 104 | 6 35 | 0 03 | 0 110 |
| 80 09 28 1800 | | | 3 | 1 | 114 0 | 3 0 | 111 000 | 170 0 | 0 36 | 2 550 | 65 000 | 6 54 | 0 280 | 0 190 |
| 80 10 28 1800 | | | 3 | 1 | | | | | | | | | | 0 140 |
| MAXIMUM | | | | | 185 | 15.0 | 172 | 285 | 4.10 | 4.250 | 104 | 6.59 | 0.690 | 0.310 |
| ARITH MEAN | | | | | 127 | 4 | 121 | 190 | 1.39 | 3.24 | 57 | 6.49 | 0.23 | 0.18 |
| GEOM MEAN | | | | | 123 | 2 | 116 | 181 | 0.83 | 3.16 | 47 | 6.49 | 0.12 | 0.17 |
| MINIMUM | | | | | 79.0 | 1.0 | 64.000 | 99.0 | 0.33 | 2.400 | 13.500 | 6.35 | 0.030 | 0.110 |
| STD DEV | | | | | 35 | 5 | 35 | 60 | 1.57 | 0.78 | 33 | 0.09 | 0.26 | 0.07 |
| NO OF SAMPLES | | | | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

| TEST-NAME: | | | | | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT | RA226F | GACF | GACP | GBCF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L |
| 80 02 22 1800 | | | 3 | 1 | | | | | | | 2 | 5 | 2 | 7 |
| 80 03 30 1400 | | | 3 | 1 | 0 010< | 0 030< | 0 005 < | 0 010< | 0 020< | 0 020< | 3 | 15 | 4 | 11 |
| 80 06 22 1000 | | | 3 | 1 | 0 01 < | 0 03 < | 0 005 < | 0 01 < | 0 04 | 0 02 < | 5 | 18 | 1< | 17 |
| 80 07 31 1600 | | | 3 | 1 | 0 001< | 0 004 | 0 0002< | 0 015 | 0 005 | 0 004 | 5 | 17 | 1 | 13 |
| 80 08 29 1800 | | | 3 | 1 | 0 001< | 0 006 | 0 0002< | 0 013 | 0 007 | 0 007 | 5 | 17 | 1 | 15 |
| 80 09 28 1800 | | | 3 | 1 | 0 006 | 0 004 | 0 0002 | 0 023 | 0 004 | 0 009 | 4 | 15 | 1 | 10 |
| 80 10 28 1800 | | | 3 | 1 | 0 002 | 0 003< | 0 0002< | 0 021 | 0 005 | 0 007 | 5 | 15 | 2 | 14 |
| MAXIMUM | | | | | 0.01 | 0.03 | 0.006 | 0.023 | 0.04 | 0.02 | 5 | 18 | 4 | 17 |
| ARITH MEAN | | | | | 0.00 L | 0.01 L | 0.001 L | 0.01 L | 0.01 L | 0.01 L | 4 | 15 | 2L | 12 |
| GEOM MEAN | | | | | 0.00 L | 0.00 L | 0.000 L | 0.01 L | 0.00 L | 0.00 L | 4 | 14 | 1L | 12 |
| MINIMUM | | | | | 0.001< | 0.003< | 0.0002< | 0.010< | 0.004< | 0.004< | 2 | 5 | 1< | 7 |
| STD DEV | | | | | 0.00 L | 0.01 L | 0.002 L | 0.00 L | 0.01 L | 0.00 L | 1 | 4 | 1L | 3 |
| NO OF SAMPLES | | | | | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |

| TEST-NAME: | | | | | GBCP | UU238 |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 02 22 1800 | | | .3 | 1 | 2 | 10< |
| 80 03 30 1400 | | | 3 | 1 | 2 | 10< |
| 80 06 22 1000 | | | .3 | 1 | 1< | 10< |
| 80 07 31 1600 | | | 3 | 1 | 1< | 10< |
| 80 08 29 1800 | | | 3 | 1 | 1 | 10< |
| 80 09 28 1800 | | | 3 | 1 | 1 | 10< |
| 80 10 28 1800 | | | 3 | 1 | 1 | 10< |
| MAXIMUM | | | | | 2 | 10 |
| ARITH MEAN | | | | | 1L | 10L |
| GEOM MEAN | | | | | 1L | 10L |
| MINIMUM | | | | | 1< | 10< |
| STD DEV | | | | | 0L | 0L |
| NO OF SAMPLES | | | | | 7 | 7 |

B.O.W./ SITE **CROTCH LAKE OUTLET**
SAMPLE POINT **AT CROTCH LAKE 34 1**
STATION TYPE **OUTFALL FLOW GAUGE MOE 02CD107**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STATION ID **14-0019-006-09**
STORET CODE **02**
**002**
**8040**

LAT LONG U T M **17 0377900.0 5141500.0 4** REGION **05** DISTANCE **70.095**

| | | | | TEST-NAME: | SAMPLE | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 02 20 1330 | | | 3 | 1 | 12011 | 0.010 | 0.001< | 0.186 | 0.460 | 0.003 | 0.187 | 0.376 | 0.274 | 0.650 |
| 80 03 29 1030 | | | 3 | 1 | 12035 | 0.012 | 0.001< | 0.310 | 0.700 | 0.009 | 0.271 | 0.590 | 0.390 | 0.980 |
| 80 05 30 1900 | | | 3 | 1 | 12074 | 0.009 | 0.001 | 0.140 | 0.210 | 0.072 | 0.723 | 0.935 | 0.070 | 1.005 |
| 80 06 22 1500 | | | 3 | 1 | 12102 | 0.007 | 0.001 | 0.118 | 0.380 | 0.003 | 0.277 | 0.398 | 0.262 | 0.660 |
| 80 07 24 1700 | | | 3 | 1 | 12125 | 0.001< | 0.001< | 0.128 | 0.360 | 0.002 | 0.005< | 0.135 | 0.232 | 0.367 |
| 80 08 28 1600 | | | 3 | 1 | 12148 | 0.006 | 0.001< | 0.080 | 0.34 | 0.002 | 0.148 | 0.230 | 0.260 | 0.490 |
| 80 09 24 1600 | | | 3 | 1 | 12171 | 0.004 | 0.001< | 0.156 | 0.350 | 0.007 | 0.103 | 0.266 | 0.194 | 0.460 |
| 80 10 24 1600 | | | 3 | 1 | 12194 | 0.001 | 0.001 | 0.158 | 0.520 | 0.041 | 0.110 | 0.309 | 0.362 | 0.671 |
| MAXIMUM | | | | | | **0.012** | **0.001** | **0.310** | **0.700** | **0.072** | **0.723** | **0.935** | **0.390** | **1.005** |
| ARITH MEAN | | | | | | **0.006L** | **0.001L** | **0.159** | **0.41** | **0.017** | **0.228L** | **0.406** | **0.255** | **0.660** |
| GEOM MEAN | | | | | | **0.006L** | **0.001L** | **0.149** | **0.39** | **0.007** | **0.131L** | **0.347** | **0.232** | **0.626** |
| MINIMUM | | | | | | **0.001<** | **0.001<** | **0.080** | **0.210** | **0.002** | **0.005<** | **0.135** | **0.070** | **0.367** |
| STD DEV | | | | | | **0.004L** | **0.000L** | **0.088** | **0.14** | **0.026** | **0.219L** | **0.253** | **0.099** | **0.232** |
| NO OF SAMPLES | | | | | | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** |

| | | | | TEST-NAME: | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FEUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | IRON UNF.TOT. MG/L AS FE | COPPER UNF.TOT. MG/L AS CU |
| 80 02 20 1330 | | | 3 | 1 | 147.0 | 1.0 | 146.000 | 225.0 | 3.20 | 2.150 | 80.000 | 6.93 | 0.630 | 0.010< |
| 80 03 29 1030 | | | 3 | 1 | 132.0 | 2.0 | 130.000 | 200.0 | 2.20 | 1.900 | 75.000 | 6.36 | 0.840 | 0.010< |
| 80 05 30 1900 | | | 3 | 1 | 239.0 | 2.0 | 237.000 | 365.0 | 1.80 | 7.400 | 148.000 | 7.48 | 0.480 | 0.010< |
| 80 06 22 1500 | | | 3 | 1 | 247.0 | 6.0 | 241.000 | 370.0 | 1.60 | 7.700 | 135.000 | 6.89 | 0.990 | 0.01 < |
| 80 07 24 1700 | | | 3 | 1 | 245.0 | 1.0 | 244.000 | 375.0 | 1.10 | 8.500 | 148.000 | 6.95 | 0.150 | |
| 80 08 28 1600 | | | 3 | 1 | 307 | 5 | 306 | 440 | 2.3 | 20.5 | 162 | 7.30 | 0.48 | 0.003 |
| 80 09 24 1600 | | | 3 | 1 | 337.0 | 2.0 | 335.0 | 500.0 | 1.60 | 35.000 | 183.000 | 7.55 | 0.200 | 0.001 |
| 80 10 24 1600 | | | 3 | 1 | 446.0 | 3.0 | 443.0 | 520.0 | 1.30 | 35.500 | 170.000 | 7.56 | 0.220 | 0.001< |
| MAXIMUM | | | | | **446.0** | **6.0** | **443.0** | **520.0** | **3.20** | **35.500** | **183.000** | **7.56** | **0.990** | **0.01** |
| ARITH MEAN | | | | | **262** | **2** | **260** | **374** | **1.8** | **14.8** | **137** | **7.13** | **0.49** | **0.00 L** |
| GEOM MEAN | | | | | **244** | **2** | **242** | **356** | **1.7** | **8.1** | **131** | **7.12** | **0.41** | **0.00 L** |
| MINIMUM | | | | | **132.0** | **1.0** | **130.000** | **200.0** | **1.10** | **1.900** | **75.000** | **6.36** | **0.150** | **0.001<** |
| STD DEV | | | | | **101** | **1** | **101** | **116** | **0.6** | **13.8** | **39** | **0.42** | **0.30** | **0.00 L** |
| NO OF SAMPLES | | | | | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **7** |

| | | | | TEST-NAME: | PBUT | CDUT | ZNUT | COUT | RA226F | GACF | GACP | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 02 20 1330 | | | 3 | 1 | 0.030< | 0.006 | 0.010< | 0.020< | 3 | 9 | 2 | 7 | 1< | 10< |
| 80 03 29 1030 | | | 3 | 1 | 0.030< | 0.005 < | 0.010< | 0.020< | | | | | | |
| 80 05 30 1900 | | | 3 | 1 | 0.030< | 0.005 < | 0.010 | 0.020< | 4 | 8 | 2 | 7 | 1 | 10< |
| 80 06 22 1500 | | | 3 | 1 | 0.03 < | 0.005 < | 0.02 | 0.02 < | | | | | | |
| 80 07 24 1700 | | | 3 | 1 | | | | | 5 | 19 | 2 | 13 | 1 | 10< |
| 80 08 28 1600 | | | 3 | 1 | 0.003< | 0.0002< | 0.025 | 0.002< | 6 | 21 | 2 | 12 | 1 | 10< |
| 80 09 24 1600 | | | 3 | 1 | 0.003< | 0.0002< | 0.016 | 0.002< | 6 | 27 | 1 | 18 | 1< | 10< |
| 80 10 24 1600 | | | 3 | 1 | 0.003< | 0.0002< | 0.015 | 0.002< | 6 | 18 | 5 | 13 | 2 | 10< |
| MAXIMUM | | | | | **0.03** | **0.006** | **0.025** | **0.02** | **6** | **27** | **5** | **18** | **2** | **10** |
| ARITH MEAN | | | | | **0.01 L** | **0.003 L** | **0.01 L** | **0.01 L** | **5** | **17** | **2** | **12** | **1L** | **10L** |
| GEOM MEAN | | | | | **0.01 L** | **0.001 L** | **0.01 L** | **0.00 L** | **5** | **16** | **2** | **11** | **1L** | **10L** |
| MINIMUM | | | | | **0.003<** | **0.0002<** | **0.010<** | **0.002<** | **3** | **8** | **1** | **7** | **1<** | **10<** |
| STD DEV | | | | | **0.01 L** | **0.002 L** | **0.00 L** | **0.01 L** | **1** | **7** | **1** | **4** | **0L** | **0L** |
| NO OF SAMPLES | | | | | **7** | **7** | **7** | **7** | **6** | **6** | **6** | **6** | **6** | **6** |

B.O.W./ SITE **BUCKLES CREEK**
SAMPLE POINT **AT HWY.NO 108 SOUTH OF ELLIOT LAKE 40 1**
STATION TYPE **OUTFLOW FLOW GAUGE MOE 02CD102**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STATION ID **14-0019-007-09**
STORET CODE **02**
**002**
**8040**

LAT LONG U T M **17 0377150.0 5136800.0 4** REGION **05** DISTANCE **73.062**

| | | | | TEST-NAME: | SAMPLE | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 02 20 1045 | | | 3 | 1 | 12007 | 0.083 | 0.004 | 0.860 | 1.360 | 1.200 | 12.200 | 14.260 | 0.500 | 14.760 |
| 80 03 29 0830 | | | 3 | 1 | 12031 | 0.040 | 0.001< | 3.600 | 4.500 | 0.088 | 3.110 | 6.798 | 0.900 | 7.698 |
| 80 05 26 1830 | | | 3 | 1 | 12070 | 0.045 | 0.002 | 1.950 | 2.370 | 0.250 | 7.350 | 9.550 | 0.420 | 9.970 |
| 80 06 22 0900 | | | 3 | 1 | 12098 | 0.004 | 0.001 | 6.100 | 13.200 | 0.475 | 5.770 | 12.345 | 7.100 | 19.445 |
| 80 07 25 1530 | | | 3 | 1 | 12121 | 0.012 | 0.002 | 4.100 | 4.400 | 0.004 | 7.500 | 11.604 | 0.300 | 11.904 |
| 80 08 27 1630 | | | 3 | 1 | 12144 | 0.032 | 0.002 | 1.94 | 2.40 | 1.98 | 5.25 | 9.170 | 0.460 | 9.630 |
| 80 09 25 1630 | | | 3 | 1 | 12167 | 0.038 | 0.001< | 4.200 | 4.700 | 0.079 | 3.470 | 7.749 | 0.500 | 8.249 |
| 80 10 25 1630 | | | 3 | 1 | 12190 | 0.015 | 0.001 | 3.650 | 4.350 | 0.160 | 2.590 | 6.400 | 0.700 | 7.100 |
| MAXIMUM | | | | | | **0.083** | **0.004** | **6.100** | **13.200** | **1.98** | **12.200** | **14.260** | **7.100** | **19.445** |
| ARITH MEAN | | | | | | **0.034** | **0.002L** | **3.30** | **4.66** | **0.52** | **5.90** | **9.734** | **1.380** | **11.094** |
| GEOM MEAN | | | | | | **0.025** | **0.002L** | **2.86** | **3.77** | **0.18** | **5.24** | **9.387** | **0.710** | **10.601** |
| MINIMUM | | | | | | **0.004** | **0.001<** | **0.860** | **1.360** | **0.004** | **2.590** | **6.400** | **0.300** | **7.100** |
| STD DEV | | | | | | **0.026** | **0.001L** | **1.65** | **3.67** | **0.70** | **3.16** | **2.799** | **2.327** | **4.188** |
| NO OF SAMPLES | | | | | | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** |

(CONTD)

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FEUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | IRON UNF.TOT. MG/L AS FE | COPPER UNF.TOT. MG/L AS CU |
| 80 02 20 1045 | | | .3 | 1 | 800.0 | 10.0 | 790.0 | 960.0 | 3.80 | 14.000 | 453.000 | 7.78 | 1.500 | |
| 80 03 29 0830 | | | .3 | 1 | 806.0 | 21.0 | 785.0 | 960.0 | 8.10 | 26.500 | 455.000 | 6.93 | 2.400 | 0.010 |
| 80 05 26 1830 | | | .3 | 1 | 1220.0 | 4.0 | 1216.0 | 1350.0 | 1.00 | 19.500 | 710 | 5.10 | 0.730 | 0.010 |
| 80 06 22 0900 | | | .3 | 1 | 1581.0 | 2.0 | 1579.0 | 1700.0 | 1.80 | 21.000 | 955.000 | 6.85 | 0.430 | 0.01 < |
| 80 07 25 1530 | | | .3 | 1 | 1497.0 | 2.0 | 1495.0 | 1650.0 | 0.50 | 23.000 | 921.000 | 4.78 | 0.250 | 0.002 |
| 80 08 27 1630 | | | .3 | 1 | 564 | 5 | 559 | 1370 | 1.6 | 25.5 | 730 | 4.76 | 0.94 | 0.011 |
| 80 09 25 1630 | | | .3 | 1 | 985.0 | 9.0 | 976.0 | 1200.0 | 4.00 | 19.000 | 625.000 | 7.31 | 1.600 | 0.005 |
| 80 10 25 1630 | | | .3 | 1 | 841.0 | 8.0 | 833.0 | 1000.0 | 1.80 | 14.500 | 495.000 | 7.28 | 1.200 | 0.002 |
| MAXIMUM | | | | | 1581.0 | 21.0 | 1579.0 | 1700.0 | 8.10 | 26.500 | 955.000 | 7.78 | 2.400 | 0.011 |
| ARITH MEAN | | | | | 1038 | 7 | 1029 | 1273 | 2.8 | 20.3 | 668 | 6.35 | 1.13 | 0.00 L |
| GEOM MEAN | | | | | 982 | 5 | 973 | 1244 | 2.0 | 19.8 | 642 | 6.23 | 0.91 | 0.00 L |
| MINIMUM | | | | | 564 | 2.0 | 559 | 960.0 | 0.50 | 14.000 | 453.000 | 4.76 | 0.250 | 0.002< |
| STD DEV | | | | | 361 | 6 | 365 | 298 | 2.4 | 4.6 | 198 | 1.25 | 0.70 | 0.00 L |
| NO OF SAMPLES | | | | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 |

| TEST-NAME: | | | | | PBUT | CDUT | ZNUT | COUT | RA226F | GACF | GACP | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 02 20 1045 | | | .3 | 1 | | | | | 1 | 6 | 1 | 13 | 3 | 10< |
| 80 03 29 0830 | | | .3 | 1 | 0.030< | 0.005 < | 0.010< | 0.020< | | | | | | |
| 80 05 26 1830 | | | .3 | 1 | 0.030< | 0.005 < | 0.010 | 0.020< | 2 | 29 | 7 | 21 | 4 | 13 |
| 80 06 22 0900 | | | .3 | 1 | 0.03 < | 0.005 < | 0.01 < | 0.02 < | 2 | 11 | 1 | 23 | 1 | 10< |
| 80 07 25 1530 | | | .3 | 1 | 0.015 | 0.0008 | 0.003 | 0.002< | 3 | 12 | 2 | 24 | 1 | 10< |
| 80 08 27 1630 | | | .3 | 1 | 0.003< | 0.0003 | 0.025 | 0.002< | 4 | 3990 | 5 | 1540 | 3 | 10< |
| 80 09 25 1630 | | | .3 | 1 | 0.003< | 0.0002< | 0.006 | 0.006 | 2 | 10 | 7 | 18 | 5 | 10< |
| 80 10 25 1630 | | | .3 | 1 | 0.004 | 0.0003 | 0.005 | 0.002< | 2 | 6 | 1 | 15 | 2 | 10< |
| MAXIMUM | | | | | 0.03 | 0.005 | 0.025 | 0.02 | 4 | 3990 | 7 | 1540 | 5 | 13 |
| ARITH MEAN | | | | | 0.01 L | 0.002 L | 0.01 L | 0.01 L | 2 | 581 | 3 | 236 | 3 | 10L |
| GEOM MEAN | | | | | 0.01 L | 0.001 L | 0.00 L | 0.00 L | 2 | 26 | 2 | 36 | 2 | 10L |
| MINIMUM | | | | | 0.003< | 0.0002< | 0.003< | 0.002< | 1 | 6 | 1 | 13 | 1 | 10< |
| STD DEV | | | | | 0.01 L | 0.002 L | 0.00 L | 0.00 L | 1 | 1503 | 3 | 575 | 1 | 1L |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| | | |
|---|---|---|
| B.O.W./SITE **SHERIFF CREEK**<br>SAMPLE POINT **AT HIGHWAY NO 108 ELLIOT LAKE 45 1**<br>STATION TYPE **RIVER** | MAJOR BASIN **GREAT LAKES**<br>MINOR BASIN **LAKE HURON**<br>TERM STREAM **SERPENT RIVER** | STATION ID: **14-0019-009-02**<br>STORET CODE **02**<br>**002**<br>**0040** |
| LAT: LONG: | U T M **17 0372100.0 5139900.0 4** | REGION **05** DISTANCE **78.061** |

| TEST-NAME: | | | | | SAMPLE | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 02 20 1230 | | | 3 | 1 | 12010 | 0.033 | 0.001< | 1.500 | 1.930 | 0.006 | 0.459 | 1.965 | 0.430 | 2.395 |
| 80 03 29 1000 | | | 3 | 1 | 12034 | 0.048 | 0.001< | 1.640 | 1.950 | 0.014 | 0.196 | 1.850 | 0.310 | 2.160 |
| 80 05 26 2000 | | | 3 | 1 | 12073 | 0.160 | 0.014 | 0.136 | 0.65 | 0.002 | 0.928 | 1.066 | 0.514 | 1.580 |
| 80 06 22 1400 | | | 3 | 1 | 12101 | 0.033 | 0.001 | 0.930 | 1.200 | 0.002 | 0.218 | 1.150 | 0.270 | 1.420 |
| 80 07 24 1800 | | | 3 | 1 | 12124 | 0.072 | 0.008 | 0.390 | 0.850 | 0.001 | 0.699 | 1.090 | 0.460 | 1.550 |
| 80 08 27 1530 | | | 3 | 1 | 12147 | 0.016 | 0.004 | 0.45 | 0.83 | 0.001 | 0.114 | 0.565 | 0.380 | 0.945 |
| 80 09 25 1530 | | | 3 | 1 | 12170 | 0.038 | 0.001< | 0.400 | 0.500 | 0.001< | 0.225 | 0.626 | 0.100 | 0.726 |
| 80 10 25 1530 | | | 3 | 1 | 12193 | 0.125 | 0.001< | 1.470 | 2.150 | 0.013 | 0.193 | 1.676 | 0.680 | 2.356 |
| MAXIMUM | | | | | | 0.160 | 0.014 | 1.640 | 2.150 | 0.014 | 0.928 | 1.965 | 0.680 | 2.395 |
| ARITH MEAN | | | | | | 0.068 | 0.004L | 0.86 | 1.26 | 0.005L | 0.379 | 1.248 | 0.393 | 1.641 |
| GEOM MEAN | | | | | | 0.051 | 0.002L | 0.65 | 1.10 | 0.003L | 0.298 | 1.141 | 0.349 | 1.524 |
| MINIMUM | | | | | | 0.016 | 0.001< | 0.136 | 0.500 | 0.001< | 0.114 | 0.565 | 0.100 | 0.726 |
| STD DEV | | | | | | 0.051 | 0.005L | 0.60 | 0.65 | 0.005L | 0.292 | 0.532 | 0.174 | 0.625 |
| NO OF SAMPLES | | | | | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FEUT | MGUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | IRON UNF.TOT. MG/L AS FE | MAGNESIM FIL.REAC MG/L AS MG |
| 80 02 20 1230 | | | 3 | 1 | 215.0 | 10.0 | 205.000 | 315.0 | 9.80 | 39.500 | 6.310 | 6.31 | | |
| 80 03 29 1000 | | | 3 | 1 | 205.0 | 10.0 | 195.000 | 300.0 | 8.80 | 38.000 | | 5.79 | | |
| 80 05 26 2000 | | | 3 | 1 | 233 | 18 | 215 | 330 | 6.6 | 48.5 | 64.0 | 5.14 | | |
| 80 06 22 1400 | | | 3 | 1 | 200.0 | 5.0 | 195.000 | 300.0 | 3.00 | 20.000 | 91.500 | 4.43 | 1.600 | |
| 80 07 24 1800 | | | 3 | 1 | 242.0 | 8.0 | 234.000 | 360.0 | 3.60 | 49.500 | 77.000 | 4.54 | 0.500 | 4.000 |
| 80 08 27 1530 | | | 3 | 1 | 248 | 2 | 246 | 440 | 1.7 | 49.0 | 110 | 3.79 | | |
| 80 09 25 1530 | | | 3 | 1 | 238.0 | 4.0 | 234.000 | 360.0 | 0.28 | 20.500 | 130.500 | 4.10 | | |
| 80 10 25 1530 | | | 3 | 1 | 238.0 | 17.0 | 221.000 | 340.0 | 11.00 | 43.500 | 71.500 | 6.26 | | |
| MAXIMUM | | | | | 248 | 18 | 246 | 440 | 11.00 | 49.500 | 130.500 | 6.31 | 1.600 | 4.000 |
| ARITH MEAN | | | | | 227 | 9 | 218 | 343 | 5.6 | 38.6 | 78 | 5.04 | 1.050 | 4.000 |
| GEOM MEAN | | | | | 226 | 7 | 217 | 340 | 3.6 | 36.4 | 60 | 4.96 | 0.894 | |
| MINIMUM | | | | | 200.0 | 2 | 195.000 | 300.0 | 0.28 | 20.000 | 6.310 | 3.79 | 0.500 | 4.000 |
| STD DEV | | | | | 18 | 5 | 19 | 45 | 4.0 | 12.0 | 39 | 0.98 | 0.778 | |
| NO OF SAMPLES | | | | | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 2 | 1 |

(CONTD)

B O W / SITE **SHERIFF CREEK**
SAMPLE POINT **AT HIGHWAY NO 108 ELLIOT LAKE 45 1**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STATION ID **14-0019-009-02**
STORET CODE **02**
**002**
**8040**

LAT LONG U T M **17 0372100.0 5139900.0 4** REGION **05** DISTANCE **78.051**

| TEST-NAME: | | | | ALUT | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT | RA226F | GACF | GACP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L |
| 80 02 20 1230 | | 3 | 1 | 0.870 | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020< | 2 | 9 | 5 |
| 80 03 29 1000 | | 3 | 1 | 0.680 | 0.010< | 0.030< | 0.005 < | 0.020 | 0.020< | 0.040 | | | |
| 80 05 26 2000 | | 3 | 1 | 1.100 | 0.030 | 0.030< | 0.005 < | 0.010< | 0.020< | 0.030 | 6 | 40 | 6 |
| 80 06 22 1400 | | 3 | 1 | | 0.01 < | 0.03 < | 0.005 < | 0.01 < | | 0.02 < | 11 | 42 | 3 |
| 80 07 24 1800 | | 3 | 1 | 0.25 | 0.001< | 0.003< | 0.0002< | 0.002 | | 0.009 | 6 | 26 | 5 |
| 80 08 27 1530 | | 3 | 1 | 2.900 | 0.018 | 0.010 | 0.0007 | 0.058 | 0.049 | 0.045 | 9 | 200 | 7 |
| 80 09 25 1530 | | 3 | 1 | 0.210 | 0.017 | 0.010 | 0.0002< | 0.037 | 0.047 | 0.047 | 6 | 200 | 7 |
| 80 10 25 1530 | | 3 | 1 | 0.890 | 0.010 | 0.003< | 0.0003 | 0.019 | 0.017 | 0.016 | 4 | 39 | 6 |
| MAXIMUM | | | | 2.900 | 0.030 | 0.03 | 0.005 | 0.058 | 0.049 | 0.047 | 11 | 200 | 7 |
| ARITH MEAN | | | | 0.98 | 0.01 L | 0.01 L | 0.002 L | 0.02 L | 0.028L | 0.02 L | 6 | 78 | 6 |
| GEOM MEAN | | | | 0.70 | 0.01 L | 0.01 L | 0.001 L | 0.01 L | 0.026L | 0.02 L | 6 | 48 | 6 |
| MINIMUM | | | | 0.210 | 0.001< | 0.003< | 0.0002< | 0.002< | 0.017< | 0.009< | 2 | 9 | 3 |
| STD DEV | | | | 0.90 | 0.00 L | 0.01 L | 0.002 L | 0.01 L | 0.015L | 0.01 L | 3 | 63 | 1 |
| NO OF SAMPLES | | | | 7 | 8 | 8 | 8 | 8 | 6 | 8 | 7 | 7 | 7 |

| TEST-NAME: | | | | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 02 20 1230 | | 3 | 1 | 6 | 5 | 10< |
| 80 05 26 2000 | | 3 | 1 | 15 | 11 | 15 |
| 80 06 22 1400 | | 3 | 1 | 6 | 4 | 29 |
| 80 07 24 1800 | | 3 | 1 | 19 | 3 | 10< |
| 80 08 27 1530 | | 3 | 1 | 81 | 11 | 140 |
| 80 09 25 1530 | | 3 | 1 | 74 | 9 | 140 |
| 80 10 25 1530 | | 3 | 1 | 31 | 7 | 20 |
| MAXIMUM | | | | 81 | 11 | 140 |
| ARITH MEAN | | | | 33 | 7 | 52L |
| GEOM MEAN | | | | 21 | 6 | 28L |
| MINIMUM | | | | 6 | 3 | 10< |
| STD DEV | | | | 32 | 3 | 60L |
| NO OF SAMPLES | | | | 7 | 7 | 7 |

B O W / SITE **ROCHESTER CREEK**
SAMPLE POINT **NEAR INLET TO QUIRKE LAKE**
STATION TYPE **RIVER FLOW GAUGE FED 02CD005**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKES HURON**
TERM STREAM **SERPENT RIVER**

STATION ID **14-0019-010-02**
STORET CODE **02**
**002**
**8040**

LAT LONG U T M **17 0383100.0 5150450.0 4** REGION **05** DISTANCE **78.880**

| TEST-NAME: | | | | SAMPLE | FWFLOW | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM FLOW M3 /S | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L |
| 80 02 21 1600 | | 3 | 1 | 12020 | 0.616 | 0.006 | 0.001 | 0.240 | 0.710 | 0.015 | 0.535 | 0.790 | 0.470 |
| 80 03 30 1000 | | 3 | 1 | 12044 | 0.595 | 0.006 | 0.001< | 0.140 | 0.530 | 0.003 | 0.252 | 0.395 | 0.390 |
| 80 05 29 1530 | | 3 | 1 | 12083 | 1.060 | 0.006 | 0.001 | 0.062 | 0.37 | 0.012 | 0.178 | 0.252 | 0.308 |
| 80 06 23 1730 | | 3 | 1 | 12110 | 0.755 | 0.007 | 0.001 | 0.088 | 0.400 | 0.012 | 0.183 | 0.263 | 0.312 |
| 80 07 23 1600 | | 3 | 1 | 12133 | 0.217 | 0.003 | 0.001< | 0.202 | 0.720 | 0.008 | 0.062 | 0.272 | 0.518 |
| 80 08 29 1400 | | 3 | 1 | 12156 | 0.242 | 0.005 | 0.001< | 0.070 | 0.28 | 0.001 | 0.043 | 0.114 | 0.210 |
| 80 09 24 1400 | | 3 | 1 | 12179 | 0.311 | 0.007 | 0.001 | 0.060 | 0.310 | 0.012 | | | 0.250 |
| 80 10 24 1400 | | 3 | 1 | 12202 | 1.400 | 0.002 | 0.001 | 0.088 | 0.310 | 0.001 | 0.174 | 0.263 | 0.222 |
| MAXIMUM | | | | | 1.400 | 0.007 | 0.001 | 0.240 | 0.720 | 0.015 | 0.535 | 0.790 | 0.518 |
| ARITH MEAN | | | | | 0.649 | 0.006 | 0.001L | 0.119 | 0.45 | 0.008 | 0.201 | 0.336 | 0.336 |
| GEOM MEAN | | | | | 0.535 | 0.006 | 0.001L | 0.104 | 0.42 | 0.005 | 0.151 | 0.289 | 0.319 |
| MINIMUM | | | | | 0.217 | 0.002 | 0.001< | 0.060 | 0.28 | 0.001 | 0.043 | 0.114 | 0.210 |
| STD DEV | | | | | 0.417 | 0.002 | 0.000L | 0.069 | 0.17 | 0.006 | 0.164 | 0.216 | 0.114 |
| NO OF SAMPLES | | | | | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 8 |

| TEST-NAME: | | | | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | ALUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURBIDITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | ALUMINUM UNF.TOT. MG/L AS AL |
| 80 02 21 1600 | | 3 | 1 | 1.260 | 28.0 | 0.2 | 28.000 | 43.0 | 0.70 | 0.350 | 9.500 | 7.03 | |
| 80 03 30 1000 | | 3 | 1 | 0.785 | 33.0 | 0.6 | 32.000 | 49.0 | 1.50 | 1.050 | | 7.29 | 0.080 |
| 80 05 29 1530 | | 3 | 1 | 0.560 | 28 | 1 | 27 | 42 | 1.0 | 0.65 | 8.5 | 6.96 | 0.020< |
| 80 06 23 1730 | | 3 | 1 | 0.575 | 26.00 | 1.00 | 25.000 | 39.0 | 0.65 | 0.550 | 8.500 | 6.84 | 0.08 |
| 80 07 23 1600 | | 3 | 1 | 0.790 | 29.0 | 2.0 | 27.000 | 42.0 | 0.80 | 0.700 | 10.000 | 6.55 | |
| 80 08 29 1400 | | 3 | 1 | 0.324 | 30 | 1 | 29 | 45 | 0.80 | 0.55 | 10.0 | 6.63 | 0.020 |
| 80 09 24 1400 | | 3 | 1 | | 41.0 | 2.0 | 39.000 | 60.0 | 0.95 | 0.700 | 11.500 | 7.55 | 0.048 |
| 80 10 24 1400 | | 3 | 1 | 0.485 | 29.0 | 2.0 | 27.000 | 42.0 | 0.91 | 0.750 | 10.000 | 6.14 | 0.037 |
| MAXIMUM | | | | 1.260 | 41.0 | 2.0 | 39.000 | 60.0 | 1.50 | 1.050 | 11.500 | 7.55 | 0.08 |
| ARITH MEAN | | | | 0.683 | 30 | 1 | 29 | 45 | 0.9 | 0.66 | 9.7 | 6.87 | 0.04 L |
| GEOM MEAN | | | | 0.630 | 30 | 0 | 28 | 44 | 0.8 | 0.63 | 9.6 | 6.86 | 0.04 L |
| MINIMUM | | | | 0.324 | 26.00 | 0.2 | 25.000 | 39.0 | 0.65 | 0.350 | 8.5 | 6.14 | 0.020< |
| STD DEV | | | | 0.303 | 4 | 0 | 4 | 6 | 0.2 | 0.20 | 1.0 | 0.44 | 0.02 L |
| NO OF SAMPLES | | | | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 6 |

| TEST-NAME: | | | | | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT | RA226F | GACF | GACP | GBCF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L |
| 80 02 21 1600 | | | .3 | 1 | | | | | | | 1< | 1 | 1< | 2 |
| 80 03 30 1000 | | | .3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020 < | | | | |
| 80 05 29 1530 | | | .3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020 < | 1< | 1 | 1 | 1 |
| 80 06 23 1730 | | | .3 | 1 | 0.01 | 0.03 < | 0.005 < | 0.01 < | 0.04 | 0.02 < | 1< | 17 | 1< | 2 |
| 80 07 23 1600 | | | .3 | 1 | 0.001< | 0.003< | 0.0002< | 0.001< | | 0.002 < | 3 | 3 | 1< | 2 |
| 80 08 29 1400 | | | .3 | 1 | 0.001< | 0.005 | 0.0002< | 0.001 | 0.002< | 0.002 < | | | | |
| 80 09 24 1400 | | | .3 | 1 | 0.001< | 0.003< | 0.0002< | 0.002 | 0.003< | 0.002 < | 1 | 1 | 1< | 3 |
| 80 10 24 1400 | | | .3 | 1 | 0.001 | 0.003< | 0.0002< | 0.003< | 0.003< | 0.0005< | 1< | 1 | 1 | 2 |
| MAXIMUM | | | | | 0.01 | 0.03 | 0.005 | 0.01 | 0.04 | 0.02 | 3 | 17 | 1 | 3 |
| ARITH MEAN | | | | | 0.00 L | 0.01 L | 0.002 L | 0.00 L | 0.01 L | 0.00 L | 1L | 4 | 1L | 2 |
| GEOM MEAN | | | | | 0.00 L | 0.00 L | 0.000 L | 0.00 L | 0.00 L | 0.00 L | 1L | 2 | 1L | 2 |
| MINIMUM | | | | | 0.001< | 0.003< | 0.0002< | 0.001< | 0.002< | 0.0005< | 1< | 1 | 1< | 1 |
| STD DEV | | | | | 0.00 L | 0.01 L | 0.002 L | 0.00 L | 0.01 L | 0.00 L | 1L | 6 | 0L | 1 |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 6 | 6 | 6 |

| TEST-NAME: | | | | | GBCP | UU238 |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 02 21 1600 | | | .3 | 1 | 1< | 10< |
| 80 05 29 1530 | | | .3 | 1 | 1< | 10< |
| 80 06 23 1730 | | | .3 | 1 | 1< | 12 |
| 80 07 23 1600 | | | .3 | 1 | 1< | 10< |
| 80 09 24 1400 | | | .3 | 1 | 1 | 10< |
| 80 10 24 1400 | | | .3 | 1 | 1 | 10< |
| MAXIMUM | | | | | 1 | 12 |
| ARITH MEAN | | | | | 1L | 10L |
| GEOM MEAN | | | | | 1L | 10L |
| MINIMUM | | | | | 1< | 10< |
| STD DEV | | | | | 0L | 1L |
| NO OF SAMPLES | | | | | 6 | 6 |

B.O.W./ SITE **SERPENT RIVER**
SAMPLE POINT **NEAR INLET TO QUIRKE LAKE**
STATION TYPE **RIVER FLOW GAUGE FED 02CD006**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STATION ID **14-0019-011-02**
STORET CODE **02**
**002**
**8040**

- LAT LONG U.T.M **17 0376550.0 5151850.0 4** REGION **05** DISTANCE **86.088**

| TEST-NAME: | | | | | SAMPLE | FWFLOW | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM FLOW M3 /S | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L |
| 80 02 20 1800 | | | .3 | 1 | 12019 | 1.920 | 0.005 | 0.001 | 9.200 | 11.000 | 1.560 | 25.400 | 36.160 | 1.800 |
| 80 03 29 1530 | | | .3 | 1 | 12043 | 1.240 | 0.011 | 0.001< | 19.800 | 20.200 | 1.100 | 33.900 | 54.800 | 0.400 |
| 80 05 22 1145 | | | .3 | 1 | 12082 | 2.190 | 0.008 | 0.001 | 13.700 | 13.700 | 0.850 | 29.100 | 43.650 | 0.000 |
| 80 06 23 1700 | | | .3 | 1 | 12109 | 1.660 | 0.006 | 0.001 | 6.250 | 6.300 | 1.520 | 16.500 | 24.270 | 0.050 |
| 80 07 23 1630 | | | .3 | 1 | 12132 | 1.390 | 0.001< | | 15.300 | | 1.250 | 35.700 | 52.250 | |
| 80 08 28 2000 | | | .3 | 1 | 12155 | 1.430 | 0.015 | 0.001 | 11.2 | 12.4 | 3.3 | 38.5 | 53.000 | 1.200 |
| 80 09 24 1500 | | | .3 | 1 | 12178 | 1.390 | 0.010 | 0.001< | 16.200 | 16.200 | 0.012 | 44.000 | 60.212 | 0.000 |
| 80 10 24 1500 | | | .3 | 1 | 12201 | 1.590 | 0.007 | 0.001 | 19.000 | 20.200 | 2.750 | 42.000 | 63.750 | 1.200 |
| MAXIMUM | | | | | | 2.190 | 0.015 | 0.001 | 19.800 | 20.200 | 3.3 | 44.000 | 63.750 | 1.800 |
| ARITH MEAN | | | | | | 1.601 | 0.008L | 0.001L | 13.8 | 14.2 | 1.5 | 33.1 | 48.511 | 0.664 |
| GEOM MEAN | | | | | | 1.576 | 0.006L | 0.001L | 13.0 | 13.4 | 0.8 | 31.8 | 46.620 | 0.656 |
| MINIMUM | | | | | | 1.240 | 0.001< | 0.001< | 6.250 | 6.300 | 0.012 | 16.500 | 24.270 | 0.000 |
| STD DEV | | | | | | 0.318 | 0.004L | 0.000L | 4.7 | 5.0 | 1.0 | 9.1 | 13.129 | 0.730 |
| NO OF SAMPLES | | | | | | 8 | 8 | 7 | 8 | 7 | 8 | 8 | 8 | 7 |

| TEST-NAME: | | | | | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | IRON UNF.TOT. MG/L AS FE |
| 80 02 20 1800 | | | 3 | 1 | 37.960 | 694.0 | 2.0 | 692.0 | 900.0 | 1.25 | 19.500 | 347.000 | 6.92 | 0.150 |
| 80 03 29 1530 | | | 3 | 1 | 55.200 | 1056.0 | 1.0 | 1055.0 | 1370.0 | 1.60 | 38.500 | 47.500 | 9.04 | 0.170 |
| 80 05 22 1145 | | | 3 | 1 | 43.650 | 1095.0 | 2.0 | 1093.0 | 1350.0 | 1.30 | 32.000 | 530.000 | 7.57 | 0.190 |
| 80 06 23 1700 | | | 3 | 1 | 24.320 | 663.0 | 1.0 | 662.0 | 850.0 | 0.75 | 22.500 | 307.000 | 6.47 | 0.090 |
| 80 07 23 1630 | | | 3 | 1 | | 1301.0 | 1.0 | 1300.0 | 1650.0 | 0.60 | 52.500 | 644.000 | 7.08 | 0.040 |
| 80 08 28 2000 | | | 3 | 1 | 54.200 | 1552 | 0.7 | 1545 | 1900 | 0.55 | 76.5 | 772 | 7.25 | 0.15 |
| 80 09 24 1500 | | | 3 | 1 | 60.212 | 1482.0 | 3.0 | 1479.0 | 1900.0 | 1.00 | 60.500 | 770.000 | 7.88 | 0.100 |
| 80 10 24 1500 | | | 3 | 1 | 64.950 | 1404.0 | 6.0 | 1398.0 | 1800.0 | 1.40 | 52.000 | 720.000 | 7.99 | 0.180 |
| MAXIMUM | | | | | 64.950 | 1552 | 6.0 | 1545 | 1900 | 1.60 | 76.5 | 772 | 9.04 | 0.190 |
| ARITH MEAN | | | | | 48.642 | 1155 | 2.1 | 1153 | 1465 | 1.06 | 44.2 | 517 | 7.52 | 0.13 |
| GEOM MEAN | | | | | 46.620 | 1105 | 1.6 | 1103 | 1404 | 0.99 | 40.2 | 406 | 7.49 | 0.12 |
| MINIMUM | | | | | 24.320 | 663.0 | 0.7 | 662.0 | 850.0 | 0.55 | 19.500 | 47.500 | 6.47 | 0.040 |
| STD DEV | | | | | 14.167 | 341 | 1.8 | 339 | 421 | 0.39 | 19.6 | 261 | 0.79 | 0.06 |
| NO OF SAMPLES | | | | | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |

| TEST-NAME: | | | | | CUUT | PBUT | CDUT | ZNUT | COUT | RA226F | GACF | GACP | GBCF | GBCP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L |
| 80 02 20 1800 | | | .3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< | 1 | 60 | 7 | 35 | 7 |
| 80 03 29 1530 | | | .3 | 1 | 0.010 | 0.030< | 0.005 < | 0.010< | 0.020< | | | | | |
| 80 05 22 1145 | | | .3 | 1 | 0.010< | 0.030< | 0.005 < | 0.020 | 0.020< | 2 | 82 | 6 | 22 | 11 |
| 80 06 23 1700 | | | .3 | 1 | | | | | | 3 | 51 | 1 | 34 | 2 |
| 80 07 23 1630 | | | .3 | 1 | 0.002 | 0.010 | 0.001 | 0.002 | 0.002 | 1 | 64 | 1 | 59 | 1 |
| 80 08 28 2000 | | | .3 | 1 | 0.006 | 0.003< | 0.0002< | 0.003 | 0.002< | 2 | 140 | 3 | 81 | 8 |
| 80 09 24 1500 | | | .3 | 1 | 0.007 | 0.003< | 0.0004 | 0.003 | 0.003 | 1 | 120 | 4 | 73 | 4 |
| 80 10 24 1500 | | | .3 | 1 | | | | | | 1 | 31 | 1 | 18 | 1< |
| MAXIMUM | | | | | 0.010 | 0.030 | 0.005 | 0.020 | 0.020 | 3 | 140 | 7 | 81 | 11 |
| ARITH MEAN | | | | | 0.007L | 0.016L | 0.002 L | 0.008L | 0.011L | 2 | 78 | 3 | 46 | 5L |
| GEOM MEAN | | | | | 0.007L | 0.012L | 0.001 L | 0.006L | 0.007L | 1 | 70 | 2 | 40 | 3L |
| MINIMUM | | | | | 0.002< | 0.003< | 0.0002< | 0.002< | 0.002< | 1 | 31 | 1 | 18 | 1< |
| STD DEV | | | | | 0.003L | 0.014L | 0.002 L | 0.007L | 0.010L | 1 | 39 | 2 | 25 | 4L |
| NO OF SAMPLES | | | | | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |

(CONTD)

STATION ID: **14-0019-011-02**

B.O.W./ SITE **SERPENT RIVER**
SAMPLE POINT **NEAR INLET TO QUIRKE LAKE**
STATION TYPE **RIVER FLOW GAUGE FED 02CD006**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STORET CODE **02**
**002**
**8040**

LAT LONG U T M **17 0376550.0 5151850.0 4** REGION **05** DISTANCE **86.098**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | URANIUM 238 UG/L |
|---|---|---|---|---|---|
| TEST NAME: | | | | | UU238 |
| 80 02 20 1800 | | | 3 | 1 | 32 |
| 80 05 22 1145 | | | 3 | 1 | 45 |
| 80 06 23 1700 | | | 3 | 1 | 22 |
| 80 07 23 1630 | | | 3 | 1 | 33 |
| 80 08 28 2000 | | | 3 | 1 | 95 |
| 80 09 24 1500 | | | 3 | 1 | 70 |
| 80 10 24 1500 | | | 3 | 1 | 10< |
| MAXIMUM | | | | | 95 |
| ARITH MEAN | | | | | 44L |
| GEOM MEAN | | | | | 35L |
| MINIMUM | | | | | 10< |
| STD DEV | | | | | 29L |
| NO OF SAMPLES | | | | | 7 |

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STATION ID **14-0019-012-09**

B.O.W / SITE **CREEK**
SAMPLE POINT **NEAR ROAD TO STANROCK TOWNSITE 32 2**
STATION TYPE **INDUSTRIAL PROCESS**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STORET CODE **02**
**002**
**8040**

LAT LONG U T M **17 0380900.0 5147400.0 4** REGION **05** DISTANCE **86.902**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | SAMPLE | FWTEMP | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR |
| 80 03 29 1200 | | | 3 | 1 | 12037 | | 0.004 | 0.001< | 12.500 | 13.350 | 0.029 | 3.620 | 16.149 | 0.850 |
| 80 05 30 1500 | | | 3 | 1 | 12076 | | 1.300 | 0.600 | | 5.750 | 2.200 | | | |
| 80 06 22 1600 | | | 3 | 1 | 12103 | | 2.750 | 1.480 | 0.830 | 7.600 | 3.650 | 46.400 | 50.880 | 6.770 |
| 80 07 24 1600 | | | 3 | 1 | 12126 | | 3.020 | 1.840 | 5.880 | 10.600 | 1.900 | | | 4.720 |
| 80 08 28 1700 | | | 3 | 1 | 12149 | 16.0 | 0.900 | 0.400 | 4.100 | 6.900 | 4.000 | 3.500 | 11.600 | 2.800 |
| 80 09 24 1700 | | | 3 | 1 | 12172 | | 0.670 | 0.001< | 0.086 | 8.100 | 0.001 | 0.059 | 0.146 | 8.014 |
| 80 10 24 1700 | | | 3 | 1 | 12195 | | 0.635 | 0.054 | 0.770 | 8.200 | 4.300 | | | 7.430 |
| MAXIMUM | | | | | | 16.0 | 3.020 | 1.840 | 12.500 | 13.350 | 4.300 | 46.400 | 50.880 | 8.014 |
| ARITH MEAN | | | | | | 16.0 | 1.328 | 0.625L | 4.028 | 8.643 | 2.297 | 13.395 | 19.694 | 5.097 |
| GEOM MEAN | | | | | | | 0.557 | 0.086L | 1.597 | 8.352 | 0.498 | 2.427 | 6.108 | 4.067 |
| MINIMUM | | | | | | 16.0 | 0.004 | 0.001< | 0.086 | 5.750 | 0.001 | 0.059 | 0.146 | 0.850 |
| STD DEV | | | | | | | 1.135 | 0.749L | 4.724 | 2.549 | 1.785 | 22.065 | 21.854 | 2.836 |
| NO OF SAMPLES | | | | | | 1 | 7 | 7 | 6 | 7 | 7 | 4 | 4 | 6 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | IRON UNF.TOT. MG/L AS FE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FEUT |
| 80 03 29 1200 | | | 3 | 1 | 16.999 | 2921.0 | 13.0 | 2908.0 | 4000.0 | 7.30 | | | 11.84 | 0.920 |
| 80 05 30 1500 | | | 3 | 1 | | 9868.0 | 47.0 | 9821.0 | 6000.0 | 38.00 | 39.000 | 6280.000 | 2.38 | |
| 80 06 22 1600 | | | 3 | 1 | 57.650 | 14977.0 | 36.0 | 14941.0 | 9000.0 | 15.00 | 32.500 | 8200.000 | 2.21 | 2700.000 |
| 80 07 24 1600 | | | 3 | 1 | | 15324.0 | 121.0 | 15203.0 | 9500.0 | 41.00 | 33.500 | 8350.000 | 2.19 | |
| 80 08 28 1700 | | | 3 | 1 | 14.400 | 10078.00 | 45.00 | 10033.00 | 5300.0 | 2.60 | 35.000 | 5615.000 | 2.46 | 1780.000 |
| 80 09 24 1700 | | | 3 | 1 | 8.160 | 10139.0 | 162.0 | 9977.0 | 5800.0 | 45.00 | 47.000 | 642.000 | 2.70 | 1900.000 |
| 80 10 24 1700 | | | 3 | 1 | | 9817.0 | 91.0 | 9726.0 | 5000.0 | 18.00 | 47.000 | 6030.000 | 2.47 | 1550.000 |
| MAXIMUM | | | | | 57.650 | 15324.0 | 162.0 | 15203.0 | 9500.0 | 45.00 | 47.000 | 8350.000 | 11.84 | 2700.000 |
| ARITH MEAN | | | | | 24.302 | 10446.2 | 73.6 | 10372.7 | 6371.4 | 23.84 | 39.000 | 5852.833 | 3.75 | 1586.183 |
| GEOM MEAN | | | | | 18.421 | 9431.0 | 56.1 | 9364.6 | 6103.1 | 16.68 | 38.552 | 4680.622 | 3.01 | 419.093 |
| MINIMUM | | | | | 8.160 | 2921.0 | 13.0 | 2908.0 | 4000.0 | 2.60 | 32.500 | 642.000 | 2.19 | 0.920 |
| STD DEV | | | | | 22.639 | 4121.2 | 53.1 | 4101.1 | 2074.2 | 17.22 | 5.580 | 2798.865 | 3.57 | 988.281 |
| NO OF SAMPLES | | | | | 4 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 5 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | CUUT | PBUT | CDUT | ZNUT | COUT | RA226F | GACF | GACP | GBCF | GBCP |
| 80 03 29 1200 | | | 3 | 1 | 0.030 | 0.030< | 0.005< | 0.010< | 0.020< | | | | | |
| 80 05 30 1500 | | | 3 | 1 | 1.600 | 0.030< | 0.005< | 6.400 | 2.300 | 1< | 4300 | 64 | 1740 | 75 |
| 80 06 22 1600 | | | 3 | 1 | 2.0 | 0.13 | 0.01 | 7.2 | 3.1 | | | | | |
| 80 07 24 1600 | | | 3 | 1 | | | | | | 1< | 8100 | 140 | 2720 | 70 |
| 80 09 24 1700 | | | 3 | 1 | 1.100 | 0.030< | 0.005 | 5.500 | 2.400 | 1< | 5700 | 10 | 1140 | 5 |
| 80 10 24 1700 | | | 3 | 1 | 5.300 | 0.004 | 0.040 | 29.000 | 11.000 | 1< | 5870 | 8 | 1100 | 5 |
| MAXIMUM | | | | | 5.300 | 0.13 | 0.040 | 29.000 | 11.000 | 1 | 8100 | 140 | 2720 | 75 |
| ARITH MEAN | | | | | 2.0 | 0.04 L | 0.01 L | 9.6 L | 3.7 L | 1L | 5992 | 55 | 1675 | 39 |
| GEOM MEAN | | | | | 0.8 | 0.02 L | 0.00 L | 2.3 L | 1.3 L | 1L | 5843 | 29 | 1561 | 19 |
| MINIMUM | | | | | 0.030 | 0.004< | 0.005< | 0.010< | 0.020< | 1< | 4300 | 8 | 1100 | 5 |
| STD DEV | | | | | 1.9 | 0.04 L | 0.01 L | 11.1 L | 4.2 L | 0L | 1671 | 62 | 756 | 39 |
| NO OF SAMPLES | | | | | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 |

(CONTD)

| | | | | TEST-NAME: | UU238 |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | URANIUM 238 UG/L |
| 80 05 30 1500 | | | .3 | 1 | 2990 |
| 80 07 24 1600 | | | .3 | 1 | 4150 |
| 80 09 24 1700 | | | .3 | 1 | 2330 |
| 80 10 24 1700 | | | .3 | 1 | 2150 |
| MAXIMUM | | | | | 4150 |
| ARITH MEAN | | | | | 2905 |
| GEOM MEAN | | | | | 2808 |
| MINIMUM | | | | | 2150 |
| STD DEV | | | | | 906 |
| NO OF SAMPLES | | | | | 4 |

B.O.W / SITE: **SERPENT RIVER**
SAMPLE POINT: **AT PANEL MINESIDE ROAD 24 1**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SERPENT RIVER**

STATION ID: **14-0019-014-02**
STORET CODE: **02**
**002**
**8040**

LAT: LONG: U T M: **17 0374060.0 5151050.0 4** REGION: **05** DISTANCE: **88.477**

| | | | | TEST-NAME: | SAMPLE | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 02 20 1730 | | | .3 | 1 | 12018 | 0.009 | 0.002 | 3.800 | 4.650 | 1.850 | 10.300 | 15.950 | 0.850 | 16.800 |
| 80 03 29 1500 | | | .3 | 1 | 12042 | 0.010 | 0.002 | 15.300 | 15.400 | 0.460 | 25.000 | 40.760 | 0.100 | 40.860 |
| 80 05 22 1115 | | | .3 | 1 | 12081 | 0.019 | 0.007 | 4.600 | 5.050 | 1.750 | 12.700 | 19.050 | 0.450 | 19.500 |
| 80 06 23 1630 | | | .3 | 1 | 12108 | 0.006 | 0.002 | 3.160 | | 1.820 | 11.200 | 16.180 | | |
| 80 07 23 1700 | | | .3 | 1 | 12131 | 0.004 | 0.002 | 9.700 | 10.600 | 3.600 | 25.900 | 39.200 | 0.900 | 40.100 |
| 80 08 28 1930 | | | .3 | 1 | 12154 | 0.009 | 0.001 | 4.90 | 5.00 | 9.75 | 24 | 38.650 | 0.100 | 38.750 |
| 80 09 24 1930 | | | .3 | 1 | 12177 | 0.012 | 0.001 | 11.600 | 11.700 | 3.300 | 32.700 | 47.600 | 0.100 | 47.700 |
| 80 10 24 1930 | | | .3 | 1 | 12200 | 0.009 | 0.001 | 12.600 | 15.000 | 2.900 | 27.600 | 43.100 | 2.400 | 45.500 |
| MAXIMUM | | | | | | 0.019 | 0.007 | 15.300 | 15.400 | 9.75 | 32.700 | 47.600 | 2.400 | 47.700 |
| ARITH MEAN | | | | | | 0.010 | 0.002 | 8.20 | 9.62 | 3.17 | 21 | 32.561 | 0.700 | 35.601 |
| GEOM MEAN | | | | | | 0.009 | 0.002 | 7.01 | 8.55 | 2.34 | 19 | 29.806 | 0.383 | 33.272 |
| MINIMUM | | | | | | 0.004 | 0.001 | 3.160 | 4.650 | 0.460 | 10.300 | 15.950 | 0.100 | 16.800 |
| STD DEV | | | | | | 0.004 | 0.002 | 4.68 | 4.73 | 2.84 | 8 | 13.161 | 0.826 | 12.348 |
| NO OF SAMPLES | | | | | | 8 | 8 | 8 | 7 | 8 | 8 | 8 | 7 | 7 |

| | | | | TEST-NAME: | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FEUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | IRON UNF.TOT. MG/L AS FE | COPPER UNF.TOT. MG/L AS CU |
| 80 02 20 1730 | | | .3 | 1 | 320.0 | 0.9 | 319.0 | 490.0 | 1.00 | 21.500 | 148.000 | 4.88 | 0.050 | 0.010< |
| 80 03 29 1500 | | | .3 | 1 | 817.0 | 0.6 | 816.0 | 1140.0 | 0.90 | 38.000 | 37.000 | 8.79 | 0.090 | 0.010< |
| 80 05 22 1115 | | | .3 | 1 | 472.0 | 2.0 | 470.0 | 650.0 | 1.30 | 30.000 | 200.000 | 4.66 | 0.100 | 0.010< |
| 80 06 23 1630 | | | .3 | 1 | 438.0 | 1.0 | 437.0 | 550.0 | 0.65 | 25.000 | 179.000 | 4.93 | 0.300 | 0.01 < |
| 80 07 23 1700 | | | .3 | 1 | 992.0 | 1.0 | 991.0 | 1300.0 | 0.95 | 68.500 | 462.000 | 4.98 | 0.060 | 0.001< |
| 80 08 28 1930 | | | .3 | 1 | 1296 | 0.9 | 1295 | 1650 | 0.71 | 105 | 612 | 6.81 | 0.05 | 0.006 |
| 80 09 24 1930 | | | .3 | 1 | 1319.0 | 3.0 | 1316.0 | 1750.0 | 0.70 | 90.500 | 680.000 | 7.65 | 0.050 | 0.009 |
| 80 10 24 1930 | | | .3 | 1 | 1114.0 | 5.0 | 1109.0 | 1480.0 | 0.88 | 59.000 | 560.000 | 7.45 | 0.180 | |
| MAXIMUM | | | | | 1319.0 | 5.0 | 1316.0 | 1750.0 | 1.30 | 105 | 680.000 | 8.79 | 0.300 | 0.01 |
| ARITH MEAN | | | | | 848 | 1.8 | 844 | 1126 | 0.89 | 54 | 369 | 6.27 | 0.11 | 0.00 L |
| GEOM MEAN | | | | | 751 | 1.4 | 750 | 1013 | 0.87 | 48 | 280 | 6.10 | 0.08 | 0.00 L |
| MINIMUM | | | | | 320.0 | 0.6 | 319.0 | 490.0 | 0.65 | 21.500 | 37.000 | 4.66 | 0.050 | 0.001< |
| STD DEV | | | | | 367 | 1.5 | 396 | 504 | 0.21 | 31 | 246 | 1.60 | 0.08 | 0.00 L |
| NO OF SAMPLES | | | | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 |

| | | | | TEST-NAME: | PBUT | CDUT | ZNUT | COUT | RA226F | GACF | GACP | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 02 20 1730 | | | .3 | 1 | 0.030< | 0.005 < | 0.010< | 0.020< | 1< | 64 | 1 | 24 | 2 | 37 |
| 80 03 29 1500 | | | .3 | 1 | 0.030< | 0.005 < | 0.010< | 0.020< | | | | | | |
| 80 05 22 1115 | | | .3 | 1 | 0.030< | 0.005 < | 0.020 | 0.020< | 3 | 56 | 5 | 22 | 5 | 30 |
| 80 06 23 1630 | | | .3 | 1 | 0.03 < | 0.005 < | 0.01 < | 0.02 < | 3 | 15 | 2 | 21 | 1 | 10< |
| 80 07 23 1700 | | | .3 | 1 | 0.008 | 0.001 | 0.001< | 0.002< | 3 | 47 | 4 | 45 | 4 | 22 |
| 80 08 28 1930 | | | .3 | 1 | 0.003< | 0.0002< | 0.001< | 0.002< | 2 | 72 | 4 | 47 | 5 | 50 |
| 80 09 24 1930 | | | .3 | 1 | 0.003< | 0.0006 | 0.001< | 0.002 | 2 | 82 | 27 | 60 | 13 | 43 |
| MAXIMUM | | | | | 0.03 | 0.005 | 0.020 | 0.02 | 3 | 82 | 27 | 60 | 13 | 50 |
| ARITH MEAN | | | | | 0.01 L | 0.003 L | 0.00 L | 0.01 L | 2L | 56 | 7 | 38 | 5 | 32L |
| GEOM MEAN | | | | | 0.01 L | 0.001 L | 0.00 L | 0.00 L | 2L | 50 | 4 | 33 | 4 | 28L |
| MINIMUM | | | | | 0.003< | 0.0002< | 0.001< | 0.002< | 1< | 15 | 1 | 21 | 1 | 10< |
| STD DEV | | | | | 0.01 L | 0.002 L | 0.00 L | 0.01 L | 1L | 23 | 10 | 16 | 4 | 15L |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 |

B O W / SITE **STOLLERY LAKE**
SAMPLE POINT **STOLLERY LAKE AT DENISON DAM 21 4**
STATION TYPE **INDUSTRIAL PROCESS**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STATION ID: **14-0019-017-09**
STORET CODE: **02**
**002**
**8040**

LAT
LONG.
U T M **17 0374500.0 5149100.0 4**
REGION **05**
DISTANCE **92.535**

| TEST-NAME | | | | | SAMPLE | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 02 20 1600 | | | 3 | 1 | 12015 | 0.011 | 0.001 | 60.000 | 60.500 | 3.000 | 85.000 | 148.000 | 0.500 | 148.500 |
| 80 03 29 1330 | | | 3 | 1 | 12039 | 0.027 | 0.001 | 67.500 | 69.500 | 1.600 | 105.000 | 174.100 | 2.000 | 176.100 |
| 80 05 22 1030 | | | 3 | 1 | 12078 | 0.016 | 0.002 | 37.200 | 37.000 | 10.600 | 85.400 | 133.200 | 0.200 | 133.000 |
| 80 06 22 1700 | | | 3 | 1 | 12105 | 0.013 | 0.005 | 40.400 | 43.000 | 13.400 | 87.600 | 141.400 | 2.600 | 144.000 |
| 80 07 23 1900 | | | 3 | 1 | 12128 | 0.006 | 0.001 | 41.000 | | 16.000 | 84.000 | 141.000 | | |
| 80 08 28 1800 | | | 3 | 1 | 12151 | 0.025 | 0.001 | 12 | 14.2 | 0.028 | 3.2 | 15.228 | 2.200 | 17.428 |
| 80 09 24 1730 | | | 3 | 1 | 12173 | 0.025 | 0.002 | 46.000 | 48.500 | 6.000 | 107.000 | 159.000 | 2.500 | 161.500 |
| 80 10 24 1800 | | | 3 | 1 | 12197 | 0.012 | 0.001< | 41.000 | 43.200 | 7.500 | 82.500 | 131.000 | 2.200 | 133.200 |
| MAXIMUM | | | | | | 0.027 | 0.005 | 67.500 | 69.500 | 16.000 | 107.000 | 174.100 | 2.600 | 176.100 |
| ARITH MEAN | | | | | | 0.017 | 0.002L | 43 | 45.1 | 7.266 | 79.9 | 130.386 | 1.743 | 130.532 |
| GEOM MEAN | | | | | | 0.015 | 0.001L | 39 | 41.1 | 3.291 | 59.5 | 110.171 | 1.301 | 109.418 |
| MINIMUM | | | | | | 0.006 | 0.001< | 12 | 14.2 | 0.028 | 3.2 | 15.228 | 0.200 | 17.428 |
| STD DEV | | | | | | 0.008 | 0.001L | 16 | 17.6 | 5.724 | 32.4 | 48.614 | 0.976 | 52.194 |
| NO OF SAMPLES | | | | | | 8 | 8 | 8 | 7 | 8 | 8 | 8 | 7 | 7 |

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FEUT | ALUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | IRON UNF.TOT. MG/L AS FE | ALUMINUM UNF.TOT. MG/L AS AL |
| 80 02 20 1600 | | | 3 | 1 | 3190.0 | 2.0 | 3188.0 | 3450.0 | 0.90 | 175.000 | 1413.000 | 8.48 | 0.040 | 0.490 |
| 80 03 29 1330 | | | 3 | 1 | 3164.0 | 2.0 | 3162.0 | 3600.0 | 0.60 | 192.000 | 1460.000 | 9.22 | 0.070 | 0.490 |
| 80 05 22 1030 | | | 3 | 1 | 3317.0 | 4.0 | 3313.0 | 3650.0 | 3.00 | 204.000 | 1670.000 | 6.23 | 0.070 | 0.700 |
| 80 06 22 1700 | | | 3 | 1 | 3458.0 | 3.0 | 3455.0 | 3800.0 | 2.70 | 208.000 | 1625.000 | 6.34 | 0.220 | 0.65 |
| 80 07 23 1900 | | | 3 | 1 | 3485.0 | 4.0 | 3481.0 | 3900.0 | 2.90 | 232.000 | 1500.000 | 8.50 | 0.100 | 0.36 |
| 80 08 28 1800 | | | 3 | 1 | 2973 | 2 | 2971 | 3450 | 7.8 | 213 | 1475 | 10.37 | 0.02 | 0.110 |
| 80 09 24 1730 | | | 3 | 1 | 2917.0 | 9.0 | 2908.0 | 3300.0 | 7.70 | 22.500 | 1590.000 | 8.82 | | |
| 80 10 24 1800 | | | 3 | 1 | 2874.0 | 8.0 | 2866.0 | 3500.0 | 3.60 | 57.000 | 1490.000 | 6.77 | 0.040 | 0.320 |
| MAXIMUM | | | | | 3485.0 | 9.0 | 3481.0 | 3900.0 | 7.8 | 232.000 | 1670.000 | 10.37 | 0.220 | 0.700 |
| ARITH MEAN | | | | | 3172 | 4 | 3168 | 3581 | 3.6 | 162 | 1527 | 8.09 | 0.08 | 0.44 |
| GEOM MEAN | | | | | 3164 | 3 | 3160 | 3576 | 2.6 | 131 | 1525 | 7.97 | 0.06 | 0.39 |
| MINIMUM | | | | | 2874.0 | 2.0 | 2866.0 | 3300.0 | 0.60 | 22.500 | 1413.000 | 6.23 | 0.02 | 0.110 |
| STD DEV | | | | | 237 | 2 | 238 | 198 | 2.7 | 78 | 89 | 1.49 | 0.06 | 0.20 |
| NO OF SAMPLES | | | | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 |

| TEST-NAME: | | | | | CUUT | PBUT | CDUT | ZNUT | COUT | RA226F | GACF | GACP | GBCF | GBCP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L |
| 80 02 20 1600 | | | 3 | 1 | 0.030 | 0.030< | 0.005 < | 0.010< | 0.020< | 1< | 620 | 10 | 140 | 55 |
| 80 03 29 1330 | | | 3 | 1 | 0.030 | 0.030< | 0.005 < | 0.010< | 0.020< | | | | | |
| 80 05 22 1030 | | | 3 | 1 | 0.020 | 0.030< | 0.005 < | 0.010< | 0.020< | 1< | 260 | 100 | 220 | 65 |
| 80 06 22 1700 | | | 3 | 1 | 0.02 | 0.03 < | 0.005 < | 0.01 < | 0.02 < | 1 | 230 | 96 | 49 | 51 |
| 80 07 23 1900 | | | 3 | 1 | 0.003 | 0.004 | 0.0008 | 0.001< | 0.002< | | | | | |
| 80 08 28 1800 | | | 3 | 1 | 0.014 | 0.003< | 0.0002< | 0.001< | 0.002< | | | | | |
| 80 09 24 1730 | | | 3 | 1 | 0.001< | 0.003< | 0.0002< | 0.001< | 0.002< | 1< | 1< | 1< | 2 | 1< |
| 80 10 24 1800 | | | 3 | 1 | 0.010 | 0.003< | 0.0007 | 0.006 | 0.009 | | | | | |
| MAXIMUM | | | | | 0.030 | 0.03 | 0.005 | 0.01 | 0.02 | 1 | 620 | 100 | 220 | 65 |
| ARITH MEAN | | | | | 0.01 L | 0.01 L | 0.002 L | 0.00 L | 0.01 L | 1L | 278L | 52L | 103 | 43L |
| GEOM MEAN | | | | | 0.01 L | 0.01 L | 0.001 L | 0.00 L | 0.00 L | 1L | 78L | 18L | 42 | 21L |
| MINIMUM | | | | | 0.001< | 0.003< | 0.0002< | 0.001< | 0.002< | 1< | 1< | 1< | 2 | 1< |
| STD DEV | | | | | 0.01 L | 0.01 L | 0.002 L | 0.00 L | 0.00 L | 0L | 265L | 54L | 97 | 29L |
| NO OF SAMPLES | | | | | 8 | 8 | 8 | 8 | 8 | 4 | 4 | 4 | 4 | 4 |

| TEST-NAME: | | | | | UU238 |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | URANIUM 238 UG/L |
| 80 02 20 1600 | | | 3 | 1 | 370 |
| 80 05 22 1030 | | | 3 | 1 | 94 |
| 80 06 22 1700 | | | 3 | 1 | 160 |
| 80 09 24 1730 | | | 3 | 1 | 10< |
| MAXIMUM | | | | | 370 |
| ARITH MEAN | | | | | 158L |
| GEOM MEAN | | | | | 86L |
| MINIMUM | | | | | 10< |
| STD DEV | | | | | 154L |
| NO OF SAMPLES | | | | | 4 |

| | | |
|---|---|---|
| B.O.W./ SITE: **DUNLOP LAKE OUTLET**<br>SAMPLE POINT: **AT OUTLET OF DUNLOP LAKE 18 2**<br>STATION TYPE: **RIVER FLOW GAUGE FED 02CD002** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE HURON**<br>TERM STREAM: **SERPENT RIVER** | STATION ID: **14-0019-019-02**<br>STORET CODE: **02**<br>**002**<br>**0040** |
| LAT. LONG. | U T M: **17 0373450.0 5148600.0 4** | REGION: **05** DISTANCE: **93.339** |

| TEST-NAME: | | | | | SAMPLE | FWFLOW | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM FLOW M3 /S | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF REAC MG/L |
| 80 02 20 1530 | | | .3 | 1 | 12014 | 1.180 | 0.003 | 0.001 | 0.096 | 0.180 | 0.001 | 0.124 | 0.221 | 0.084 |
| 80 03 29 1300 | | | .3 | 1 | 12038 | 0.765 | 0.003 | 0.001 | 0.040 | 0.180 | 0.002 | 0.123 | 0.165 | 0.140 |
| 80 05 22 1000 | | | .3 | 1 | 12077 | 0.687 | 0.006 | 0.001 | 0.022 | 0.150 | 0.002 | 0.118 | 0.142 | 0.128 |
| 80 06 22 1645 | | | .3 | 1 | 12104 | 1.030 | 0.003 | | 0.026 | 0.160 | 0.004 | 0.066 | 0.096 | 0.134 |
| 80 07 23 1930 | | | .3 | 1 | 12127 | 0.734 | 0.001< | 0.001< | 0.032 | 0.130 | 0.001 | 0.019 | 0.052 | 0.098 |
| 80 08 28 1730 | | | .3 | 1 | 12150 | 0.678 | 0.006 | 0.001 | 0.006 | 0.20 | 0.001 | 0.039 | 0.046 | 0.194 |
| 80 09 24 1800 | | | .3 | 1 | 12174 | 0.440 | 0.011 | 0.002 | 0.042 | 0.600 | 0.005 | 0.070 | 0.117 | 0.558 |
| 80 10 24 1730 | | | .3 | 1 | 12196 | 0.366 | 0.001 | 0.001< | 0.016 | 0.150 | 0.001 | 0.064 | 0.081 | 0.134 |
| **MAXIMUM** | | | | | | **1.180** | **0.011** | **0.002** | **0.096** | **0.600** | **0.005** | **0.124** | **0.221** | **0.558** |
| **ARITH MEAN** | | | | | | **0.735** | **0.004L** | **0.001L** | **0.035** | **0.21** | **0.002** | **0.078** | **0.115** | **0.184** |
| **GEOM MEAN** | | | | | | **0.690** | **0.003L** | **0.001L** | **0.027** | **0.19** | **0.002** | **0.067** | **0.102** | **0.152** |
| **MINIMUM** | | | | | | **0.366** | **0.001<** | **0.001<** | **0.006** | **0.130** | **0.001** | **0.019** | **0.046** | **0.084** |
| **STD DEV** | | | | | | **0.271** | **0.003L** | **0.000L** | **0.027** | **0.15** | **0.002** | **0.040** | **0.059** | **0.155** |
| **NO OF SAMPLES** | | | | | | **8** | **8** | **7** | **8** | **8** | **8** | **8** | **8** | **8** |

| TEST-NAME: | | | | | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | IRON UNF.TOT. MG/L AS FE |
| 80 02 20 1530 | | | .3 | 1 | 0.305 | 29.0 | 0.1< | 29.000 | 45.0 | 0.40 | 1.100 | 9.500 | 7.06 | 0.050 |
| 80 03 29 1300 | | | .3 | 1 | 0.305 | 26.0 | 0.1< | 26.000 | 40.0 | 3.80 | 0.650 | | 7.17 | 0.070 |
| 80 05 22 1000 | | | .3 | 1 | 0.270 | 24.0 | 1.0 | 23.000 | 36.0 | 1.10 | 0.550 | 7.500 | 6.98 | 0.140 |
| 80 06 22 1645 | | | .3 | 1 | 0.230 | 24.0 | 1.0 | 23.000 | 36.0 | 0.65 | 0.600 | 11.500 | 7.07 | 0.310 |
| 80 07 23 1930 | | | .3 | 1 | 0.150 | 25.0 | 1.0 | 24.000 | 37.0 | 0.40 | 0.700 | 7.500 | 6.49 | 0.010 |
| 80 08 28 1730 | | | .3 | 1 | 0.240 | 42 | 2 | 40 | 62 | 0.39 | 0.55 | 8.5 | 6.80 | 0.03 |
| 80 09 24 1800 | | | .3 | 1 | 0.675 | 30.0 | 1.0 | 29.000 | 45.0 | 0.95 | 0.650 | 13.000 | 7.40 | |
| 80 10 24 1730 | | | .3 | 1 | 0.215 | 24.0 | 2.0 | 22.000 | 34.0 | 0.44 | 0.550 | 6.500 | 6.78 | 0.050 |
| **MAXIMUM** | | | | | **0.675** | **42** | **2** | **40** | **62** | **3.80** | **1.100** | **13.000** | **7.40** | **0.310** |
| **ARITH MEAN** | | | | | **0.299** | **28** | **1 L** | **27** | **41** | **1.02** | **0.66** | **9.1** | **6.97** | **0.09** |
| **GEOM MEAN** | | | | | **0.272** | **27** | **0 L** | **26** | **41** | **0.72** | **0.65** | **8.8** | **6.96** | **0.06** |
| **MINIMUM** | | | | | **0.150** | **24.0** | **0.1<** | **22.000** | **34.0** | **0.39** | **0.550** | **6.500** | **6.49** | **0.010** |
| **STD DEV** | | | | | **0.160** | **6** | **0 L** | **5** | **9** | **1.16** | **0.18** | **2.3** | **0.28** | **0.10** |
| **NO OF SAMPLES** | | | | | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **7** | **8** | **7** |

| TEST-NAME: | | | | | ALUT | CUUT | PBUT | CDUT | ZNUT | COUT | RA226F | GACF | GACP | GBCF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L |
| 80 02 20 1530 | | | .3 | 1 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< | 1< | 1< | 1< | 2 |
| 80 03 29 1300 | | | .3 | 1 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< | | | | |
| 80 05 22 1000 | | | .3 | 1 | 0.130 | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< | 1< | 1 | 1< | 2 |
| 80 06 22 1645 | | | .3 | 1 | 0.02 < | 0.01 < | 0.03 < | 0.005 < | 0.01 < | 0.02 < | 1< | 1< | 1< | 2 |
| 80 07 23 1930 | | | .3 | 1 | 360 | 2.2 | 0.47 | 0.01 < | 8.5 | 0.10 < | 1< | 1< | 1< | 2 |
| 80 08 28 1730 | | | .3 | 1 | 0.140 | 0.005 | 0.003< | 0.0002< | 0.026 | 0.002< | 1< | 2 | 1< | 8 |
| 80 09 24 1800 | | | .3 | 1 | | 0.009 | 0.003< | 0.0003 | 0.001< | 0.002< | 1 | 170 | 96 | 130 |
| 80 10 24 1730 | | | .3 | 1 | 0.160 | 0.002 | 0.005 | 0.0005 | 0.007 | 0.002< | | | | |
| **MAXIMUM** | | | | | **360** | **2.2** | **0.47** | **0.01** | **8.5** | **0.10** | **1** | **170** | **96** | **130** |
| **ARITH MEAN** | | | | | **51 L** | **0.2 L** | **0.07 L** | **0.00 L** | **1.0 L** | **0.02 L** | **1L** | **29L** | **17L** | **24** |
| **GEOM MEAN** | | | | | **0 L** | **0.0 L** | **0.01 L** | **0.00 L** | **0.0 L** | **0.01 L** | **1L** | **3L** | **2L** | **5** |
| **MINIMUM** | | | | | **0.020<** | **0.002<** | **0.003<** | **0.0002<** | **0.001<** | **0.002<** | **1<** | **1<** | **1<** | **2** |
| **STD DEV** | | | | | **136 L** | **0.7 L** | **0.16 L** | **0.00 L** | **3.0 L** | **0.03 L** | **0L** | **69L** | **39L** | **52** |
| **NO OF SAMPLES** | | | | | **7** | **8** | **8** | **8** | **8** | **8** | **6** | **6** | **6** | **6** |

| TEST-NAME: | | | | | GBCP | UU238 |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 02 20 1530 | | | .3 | 1 | 1< | 10< |
| 80 05 22 1000 | | | .3 | 1 | 1< | 10< |
| 80 06 22 1645 | | | .3 | 1 | 1< | 10< |
| 80 07 23 1930 | | | .3 | 1 | 1< | 10< |
| 80 08 28 1730 | | | .3 | 1 | 1< | 10< |
| 80 09 24 1800 | | | .3 | 1 | 51 | 100 |
| **MAXIMUM** | | | | | **51** | **100** |
| **ARITH MEAN** | | | | | **9L** | **25L** |
| **GEOM MEAN** | | | | | **2L** | **15L** |
| **MINIMUM** | | | | | **1<** | **10<** |
| **STD DEV** | | | | | **20L** | **37L** |
| **NO OF SAMPLES** | | | | | **6** | **6** |

B O W / SITE **QUIRKE TAILINGS CONTROL**
SAMPLE POINT **POND A OUTLET**
STATION TYPE **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SERPENT RIVER**

STATION ID: **14-0019-022-01**
STORET CODE: **02**
**002**
**8040**

LAT: LONG: U T M: **17 0370375.0 5150900.0 4** REGION: **05** DISTANCE: **91.730**

| | | | TEST-NAME: | SAMPLE | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 02 20 1700 | | .3 | 1 | 12017 | 0.011 | 0.001 | 0.162 | 0.420 | 0.003 | 0.227 | 0.392 | 0.258 | 0.650 |
| 80 03 29 1430 | | .3 | 1 | 12041 | 0.005 | 0.001< | 0.240 | 0.460 | 0.004 | 0.281 | 0.525 | 0.220 | 0.745 |
| 80 05 22 1030 | | .3 | 1 | 12080 | 0.011 | 0.001 | 0.116 | 0.260 | 0.029 | 0.086 | 0.231 | 0.144 | 0.375 |
| 80 06 23 1600 | | .3 | 1 | 12107 | 0.009 | 0.001 | 0.102 | 0.450 | 0.085 | 0.960 | 1.147 | 0.348 | 1.495 |
| 80 07 23 1730 | | .3 | 1 | 12130 | 0.007 | 0.002 | 0.340 | 0.340 | 0.043 | 0.432 | 0.815 | 0.000 | 0.815 |
| 80 08 28 1900 | | .3 | 1 | 12153 | 0.006 | 0.001 | 0.040 | 0.30 | 0.001 | 0.039 | 0.080 | 0.260 | 0.340 |
| 80 09 24 1900 | | .3 | 1 | 12176 | 0.008 | 0.001 | | 0.300 | | | | | |
| 80 10 24 1900 | | .3 | 1 | 12199 | 0.002 | 0.001 | 0.062 | 0.240 | 0.001 | 0.084 | 0.147 | 0.178 | 0.325 |
| MAXIMUM | | | | | **0.011** | **0.002** | **0.340** | **0.460** | **0.085** | **0.960** | **1.147** | **0.348** | **1.495** |
| ARITH MEAN | | | | | **0.007** | **0.001L** | **0.152** | **0.34** | **0.024** | **0.301** | **0.477** | **0.201** | **0.678** |
| GEOM MEAN | | | | | **0.007** | **0.001L** | **0.121** | **0.33** | **0.007** | **0.185** | **0.340** | **0.279** | **0.589** |
| MINIMUM | | | | | **0.002** | **0.001<** | **0.040** | **0.240** | **0.001** | **0.039** | **0.080** | **0.000** | **0.325** |
| STD DEV | | | | | **0.003** | **0.000L** | **0.106** | **0.08** | **0.032** | **0.321** | **0.387** | **0.110** | **0.413** |
| NO OF SAMPLES | | | | | **8** | **8** | **7** | **8** | **7** | **7** | **7** | **7** | **7** |

| | | | TEST-NAME: | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FEUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | IRON UNF.TOT. MG/L AS FE | COPPER UNF.TOT. MG/L AS CU |
| 80 02 20 1700 | | .3 | 1 | 31.0 | 2.0 | 29.000 | 44.0 | 1.00 | 1.700 | 9.500 | 6.71 | 0.740 | 0.020 |
| 80 03 29 1430 | | .3 | 1 | 26.0 | 0.2 | 26.000 | 40.0 | 1.00 | 0.950 | 8.500 | 6.66 | 0.680 | 0.010< |
| 80 05 22 1030 | | .3 | 1 | 26.0 | 3.0 | 23.000 | 35.0 | 2.10 | 0.550 | 7.000 | 6.89 | 0.260 | 0.010< |
| 80 06 23 1600 | | .3 | 1 | 36.0 | 3.0 | 33.000 | 50.0 | 2.00 | 1.100 | 7.500 | 7.42 | 0.320 | 0.01 < |
| 80 07 23 1730 | | .3 | 1 | 31.0 | 3.0 | 28.000 | 43.0 | 1.30 | 1.300 | 8.000 | 7.55 | 0.040 | 0.001< |
| 80 08 28 1900 | | .3 | 1 | 40 | 0.4 | 40 | 62 | 0.45 | 1.15 | 8.5 | 7.45 | 0.67 | 0.001< |
| 80 09 24 1900 | | .3 | 1 | 33.0 | 8.0 | 25.000 | 39.0 | 1.00 | 1.250 | 8.500 | 6.59 | 0.170 | 0.001 |
| 80 10 24 1900 | | .3 | 1 | 29.0 | 2.0 | 27.000 | 42.0 | 1.00 | 1.000 | 9.500 | 6.69 | 0.180 | |
| MAXIMUM | | | | **40** | **8.0** | **40** | **62** | **2.10** | **1.700** | **9.500** | **7.55** | **0.740** | **0.020** |
| ARITH MEAN | | | | **31** | **2.7** | **28** | **44** | **1.23** | **1.12** | **8.3** | **6.99** | **0.38** | **0.00 L** |
| GEOM MEAN | | | | **31** | **1.7** | **28** | **43** | **1.12** | **1.07** | **8.3** | **6.98** | **0.27** | **0.00 L** |
| MINIMUM | | | | **26.0** | **0.2** | **23.000** | **35.0** | **0.45** | **0.550** | **7.000** | **6.59** | **0.040** | **0.001<** |
| STD DEV | | | | **4** | **2.4** | **5** | **8** | **0.56** | **0.32** | **0.8** | **0.41** | **0.27** | **0.00 L** |
| NO OF SAMPLES | | | | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **7** |

| | | | TEST-NAME: | PBUT | CDUT | ZNUT | COUT | RA226F | GACF | GACP | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 02 20 1700 | | .3 | 1 | 0.030< | 0.007 | 0.020 | 0.020< | 1< | 1 | 1< | 2 | 1< | 10< |
| 80 03 29 1430 | | .3 | 1 | 0.030< | 0.005 < | 0.010< | 0.020< | | | | | | |
| 80 05 22 1030 | | .3 | 1 | 0.030< | 0.005 < | 0.020 | 0.020< | 1< | 1< | 1< | 1 | 1< | 10< |
| 80 06 23 1600 | | .3 | 1 | 0.03 < | 0.005 < | 0.01 < | 0.02 < | 1< | 1< | 1< | 1 | 1< | 10< |
| 80 07 23 1730 | | .3 | 1 | 0.003< | 0.0002< | 0.001< | 0.002< | 1< | 1< | 1< | 2 | 1< | 10< |
| 80 08 28 1900 | | .3 | 1 | 0.003< | 0.0002< | 0.001 | 0.002< | 1< | 1 | 1< | 1 | 1< | 10< |
| 80 09 24 1900 | | .3 | 1 | 0.003< | 0.0002< | 0.003 | 0.002< | 1< | 1< | 1< | 1 | 1< | 10< |
| MAXIMUM | | | | **0.03** | **0.007** | **0.020** | **0.02** | **1** | **1** | **1** | **2** | **1** | **10** |
| ARITH MEAN | | | | **0.01 L** | **0.003 L** | **0.00 L** | **0.01 L** | **1L** | **1L** | **1L** | **1** | **1L** | **10L** |
| GEOM MEAN | | | | **0.01 L** | **0.001 L** | **0.00 L** | **0.00 L** | **1L** | **1L** | **1L** | **1** | **1L** | **10L** |
| MINIMUM | | | | **0.003<** | **0.0002<** | **0.001<** | **0.002<** | **1<** | **1<** | **1<** | **1** | **1<** | **10<** |
| STD DEV | | | | **0.01 L** | **0.002 L** | **0.00 L** | **0.01 L** | **0L** | **0L** | **0L** | **1** | **0L** | **0L** |
| NO OF SAMPLES | | | | **7** | **7** | **7** | **7** | **6** | **6** | **6** | **6** | **6** | **6** |

B O W / SITE **PRONTO EFFLUENT**
SAMPLE POINT **AT HWY.NO.17 NEAR PRONTO MINE RD.80 1**
STATION TYPE **LAKE FLOW GAUGE MOE 02CD100**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STATION ID: **14-0019-023-01**
STORET CODE **02**
**002**
**8040**

LAT LONG: U T M: **17 0369000.0 5117650.0 4** REGION: **05** DISTANCE: **0.805**

| | | | TEST-NAME: | SAMPLE | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 02 28 0830 | | .3 | 1 | 12003 | 0.011 | 0.003 | 0.390 | 0.580 | 0.025 | 0.165 | 0.580 | 0.190 | 0.770 |
| 80 03 28 1600 | | .3 | 1 | 12027 | 0.037 | 0.003 | 0.890 | 0.870 | 0.075 | 1.470 | 2.435 | 0.020 | 2.415 |
| 80 04 29 1600 | | .3 | 1 | 12057 | 0.007 | 0.001< | 0.067 | 0.220 | 0.039 | 0.106 | 0.212 | 0.153 | 0.365 |
| 80 05 27 1600 | | .3 | 1 | 12066 | 0.009 | 0.001 | 0.008 | 0.120 | 0.001 | 0.024 | 0.033 | 0.112 | 0.145 |
| 80 06 25 1700 | | .3 | 1 | 12094 | 0.003 | 0.001 | 0.022 | 0.150 | 0.002 | 0.508 | 0.532 | 0.128 | 0.660 |
| 80 07 28 1630 | | .3 | 1 | 12117 | 0.028 | 0.001< | 0.046 | 0.680 | 0.005 | 0.005 | 0.056 | 0.634 | 0.690 |
| 80 08 26 1830 | | .3 | 1 | 12140 | 0.035 | 0.001 | 0.030 | 0.82 | 0.023 | 0.012 | 0.065 | 0.790 | 0.855 |
| 80 09 26 1830 | | .3 | 1 | 12163 | 0.010 | 0.001< | 0.068 | 0.160 | 0.003 | 0.052 | 0.123 | 0.092 | 0.215 |
| 80 10 26 1830 | | .3 | 1 | 12186 | 0.050 | 0.001 | 0.120 | 0.600 | 0.017 | 0.223 | 0.360 | 0.480 | 0.840 |
| MAXIMUM | | | | | **0.050** | **0.003** | **0.890** | **0.870** | **0.075** | **1.470** | **2.435** | **0.790** | **2.415** |
| ARITH MEAN | | | | | **0.021** | **0.001L** | **0.182** | **0.46** | **0.021** | **0.285** | **0.488** | **0.289** | **0.773** |
| GEOM MEAN | | | | | **0.015** | **0.001L** | **0.071** | **0.36** | **0.010** | **0.084** | **0.212** | **0.179** | **0.575** |
| MINIMUM | | | | | **0.003** | **0.001<** | **0.008** | **0.120** | **0.001** | **0.005** | **0.033** | **0.020** | **0.145** |
| STD DEV | | | | | **0.017** | **0.001L** | **0.290** | **0.30** | **0.024** | **0.472** | **0.758** | **0.275** | **0.671** |
| NO OF SAMPLES | | | | | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** |

(CONTD)

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FEUT | ALUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | IRON UNF.TOT. MG/L AS FE | ALUMINUM UNF.TOT. MG/L AS AL |
| 80 02 28 0830 | | | .3 | 1 | 947.0 | 4.0 | 943.0 | 1120.0 | 6.00 | 18.500 | 533.000 | 7.31 | 1.200 | |
| 80 03 28 1600 | | | .3 | 1 | 385.0 | 27.0 | 358.0 | 460.0 | 2.70 | 18.500 | | 6.99 | 0.960 | 0.230 |
| 80 04 29 1600 | | | .3 | 1 | 529.0 | 3.0 | 526.0 | 650.0 | 1.40 | | 286.000 | 7.50 | 0.180 | 0.090 |
| 80 05 27 1600 | | | .3 | 1 | 730.0 | 3.0 | 727.0 | 850.0 | 1.20 | 15.500 | 413.000 | 6.99 | 0.260 | 0.090 |
| 80 06 25 1700 | | | .3 | 1 | 865.0 | 2.0 | 863.0 | 950.0 | 1.20 | 18.000 | 467.000 | 7.16 | 0.270 | 0.20 |
| 80 07 28 1630 | | | .3 | 1 | 680.0 | 23.0 | 657.0 | 800.0 | 11.00 | 28.500 | 297.000 | 6.81 | 6.600 | 0.19 |
| 80 08 26 1830 | | | .3 | 1 | 426 | 11 | 415 | 510 | 2.1 | 43.5 | 140 | 6.95 | 3.2 | 0.065 |
| 80 09 26 1830 | | | .3 | 1 | 813.0 | 9.0 | 804.0 | 1000.0 | 2.50 | 26.500 | 492.000 | 6.84 | 1.100 | 0.150 |
| 80 10 26 1830 | | | .3 | 1 | 533.0 | 14.0 | 519.0 | 700.0 | 4.90 | 38.500 | 222.000 | 6.77 | 1.400 | 0.290 |
| MAXIMUM | | | | | 947.0 | 27.0 | 943.0 | 1120.0 | 11.00 | 43.5 | 533.000 | 7.50 | 6.600 | 0.290 |
| ARITH MEAN | | | | | 666 | 10 | 645 | 782 | 3.6 | 25.9 | 356 | 7.04 | 1.6 | 0.16 |
| GEOM MEAN | | | | | 628 | 7 | 615 | 752 | 2.7 | 24.2 | 327 | 7.03 | 0.9 | 0.14 |
| MINIMUM | | | | | 385.0 | 2.0 | 358.0 | 460.0 | 1.20 | 15.500 | 140 | 6.77 | 0.180 | 0.065 |
| STD DEV | | | | | 199 | 9 | 204 | 222 | 3.2 | 10.3 | 140 | 0.24 | 2.0 | 0.07 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 8 |

| TEST-NAME: | | | | | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT | RA226F | GACF | GACP | GBCF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L |
| 80 02 28 0830 | | | .3 | 1 | | | | | | | 1 | 94 | 4 | 16 |
| 80 03 28 1600 | | | .3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< | 0.030 | 0.020< | | | | |
| 80 04 29 1600 | | | .3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< | 0.140 | 0.020< | | | | |
| 80 05 27 1600 | | | .3 | 1 | 0.010 | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020< | 3 | 9 | 1< | 9 |
| 80 06 25 1700 | | | .3 | 1 | 0.01 < | 0.03 < | 0.005 < | 0.01 < | 0.02 < | 0.02 < | 3 | 6 | 2 | 11 |
| 80 07 28 1630 | | | .3 | 1 | 0.001< | 0.003< | 0.0002 | 0.001< | 0.002< | 0.024 | 2 | 81 | 10 | 18 |
| 80 08 26 1830 | | | .3 | 1 | 0.003 | 0.003< | 0.0002< | 0.001< | 0.002< | 0.009 | | | | |
| 80 09 26 1830 | | | .3 | 1 | 0.006 | 0.003< | 0.0002< | 0.007 | 0.002< | 0.006 | 1 | 5 | 2 | 8 |
| 80 10 26 1830 | | | .3 | 1 | 0.005 | 0.003< | 0.0002< | 0.003 | 0.003< | 0.002 | 1 | 30 | 6 | 13 |
| MAXIMUM | | | | | 0.01 | 0.03 | 0.005 | 0.01 | 0.140 | 0.024 | 3 | 94 | 10 | 18 |
| ARITH MEAN | | | | | 0.00 L | 0.01 L | 0.002 L | 0.00 L | 0.02 L | 0.01 L | 2 | 37 | 4L | 12 |
| GEOM MEAN | | | | | 0.00 L | 0.00 L | 0.001 L | 0.00 L | 0.00 L | 0.01 L | 2 | 20 | 3L | 12 |
| MINIMUM | | | | | C.001< | 0.003< | 0.0002< | 0.001< | 0.002< | 0.002< | 1 | 5 | 1< | 8 |
| STD DEV | | | | | 0.00 L | 0.01 L | 0.002 L | 0.00 L | 0.04 L | 0.00 L | 1 | 40 | 3L | 4 |
| NO OF SAMPLES | | | | | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 6 | 6 | 6 |

| TEST-NAME: | | | | | GBCP | UU238 |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 02 28 0830 | | | .3 | 1 | 11 | 60 |
| 80 05 27 1600 | | | .3 | 1 | 1< | 10 |
| 80 06 25 1700 | | | .3 | 1 | 1 | 10< |
| 80 07 28 1630 | | | .3 | 1 | 16 | 58 |
| 80 09 26 1830 | | | .3 | 1 | 2 | 10< |
| 80 10 26 1830 | | | .3 | 1 | 5 | 14 |
| MAXIMUM | | | | | 16 | 60 |
| ARITH MEAN | | | | | 6L | 27L |
| GEOM MEAN | | | | | 3L | 19L |
| MINIMUM | | | | | 1< | 10< |
| STD DEV | | | | | 6L | 25L |
| NO OF SAMPLES | | | | | 6 | 6 |

B.O.W / SITE **ELLIOT LAKE**
SAMPLE POINT **AT ELLIOT LAKE MUNICIPAL PUMPHOUSE 48 1**
STATION TYPE **LAKE**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STATION ID **14-0019-027-01**
STORET CODE **02**
**002**
**8040**

LAT: LONG: U.T.M. **17 0372000.0 5138450.0 4** REGION **05** DISTANCE **76.442**

| TEST-NAME: | | | | | SAMPLE | TCMF | TCMFBK | FCMF | FSMF | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 02 20 1130 | | | .3 | 1 | 12009 | 4< | 8 | 2< | 8 | 0.018 | 0.002 | 0.296 | 0.690 | 0.007 |
| 80 03 29 0930 | | | .3 | 1 | 12033 | | | | | 0.022 | 0.001 | 0.350 | 0.700 | 0.007 |
| 80 05 26 1730 | | | .3 | 1 | 12072 | | | | | 0.021 | 0.007 | 0.116 | 0.30 | 0.053 |
| 80 06 22 1330 | | | .3 | 1 | 12100 | | | | | 0.014 | 0.001< | 0.122 | 0.360 | 0.004 |
| 80 07 24 1830 | | | .3 | 1 | 12123 | | | | | 0.019 | 0.001 | 0.112 | 0.330 | 0.005 |
| 80 08 27 1545 | | | .3 | 1 | 12146 | | | | | 0.005 | 0.001< | 0.060 | 0.25 | 0.002 |
| 80 09 25 1545 | | | .3 | 1 | 12169 | | | | | 0.006 | 0.001< | 0.138 | 0.420 | 0.003 |
| 80 10 25 1545 | | | .3 | 1 | 12192 | | | | | 0.008 | 0.001< | 0.800 | 0.280 | 0.003 |
| MAXIMUM | | | | | | 4 | 8 | 2 | 8 | 0.022 | 0.007 | 0.800 | 0.700 | 0.053 |
| ARITH MEAN | | | | | | 4L | 8 | 2L | 8 | 0.014 | 0.002L | 0.249 | 0.41 | 0.010 |
| GEOM MEAN | | | | | | | | | | 0.012 | 0.001L | 0.180 | 0.38 | 0.006 |
| MINIMUM | | | | | | 4< | 8 | 2< | 8 | 0.005 | 0.001< | 0.060 | 0.25 | 0.002 |
| STD DEV | | | | | | | | | | 0.007 | 0.002L | 0.244 | 0.18 | 0.017 |
| NO OF SAMPLES | | | | | | 1 | 1 | 1 | 1 | 8 | 8 | 8 | 8 | 8 |

| TEST-NAME: | | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 02 20 1130 | | | .3 | 1 | 0.193 | 0.496 | 0.394 | 0.890 | 55.0 | 1.0 | 54.000 | 83.0 | 1.00 | |
| 80 03 29 0930 | | | .3 | 1 | 0.598 | 0.955 | 0.350 | 1.305 | 28.0 | 1.0 | 27.000 | 42.0 | 1.80 | 3.500 |
| 80 05 26 1730 | | | .3 | 1 | 0.442 | 0.611 | 0.184 | 0.795 | 79 | 1 | 78 | 120 | 1.6 | 14.5 |
| 80 06 22 1330 | | | .3 | 1 | 0.056 | 0.182 | 0.238 | 0.420 | 93.0 | 12.0 | 81.000 | 125.0 | 2.50 | 16.000 |
| 80 07 24 1830 | | | .3 | 1 | 0.180 | 0.297 | 0.218 | 0.515 | 116.0 | 38.0 | 78.000 | 120.0 | 1.40 | 14.500 |
| 80 08 27 1545 | | | .3 | 1 | 0.158 | 0.220 | 0.190 | 0.410 | 83 | 1 | 82 | 126 | 0.65 | 14.5 |
| 80 09 25 1545 | | | .3 | 1 | 0.357 | 0.498 | 0.282 | 0.780 | 105.0 | 1.0 | 104.000 | 160.0 | 0.40 | 25.500 |
| 80 10 25 1545 | | | .3 | 1 | 0.227 | 1.030 | 0.520 | 0.510 | 79.0 | 2.0 | 77.000 | 118.0 | 0.74 | 14.000 |
| MAXIMUM | | | | | 0.598 | 1.030 | 0.520 | 1.305 | 116.0 | 38.0 | 104.000 | 160.0 | 2.50 | 25.500 |
| ARITH MEAN | | | | | 0.276 | 0.536 | 0.297 | 0.703 | 79 | 7 | 72 | 111 | 1.2 | 14.6 |
| GEOM MEAN | | | | | 0.225 | 0.453 | 0.279 | 0.652 | 74 | 2 | 68 | 105 | 1.0 | 12.9 |
| MINIMUM | | | | | 0.056 | 0.182 | 0.184 | 0.410 | 28.0 | 1.0 | 27.000 | 42.0 | 0.40 | 3.500 |
| STD DEV | | | | | 0.177 | 0.319 | 0.117 | 0.305 | 27 | 13 | 22 | 35 | 0.7 | 6.3 |
| NO OF SAMPLES | | | | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 |

(CONTD)

B O W / SITE **ELLIOT LAKE**
SAMPLE POINT **AT ELLIOT LAKE MUNICIPAL PUMPHOUSE 48 1**
STATION TYPE **LAKE**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STATION ID **14-0019-027-01**
STORET CODE **02**
**002**
**8040**

LAT LONG U T M **17 0372000.0 5138450.0 4** REGION **05** DISTANCE **76.442**

| TEST-NAME | | | | | SSO4UR | PH | FWPH | ALUT | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SULPHATE UNF.REAC MG/L AS SO4 | PH | PH FIELD | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 02 20 1130 | | | 3 | 1 | 6.430 | 6.43 | 7.8 | 0.170 | 0.010< | 0.030< | 0.006 | 0.010< | | 0.020< |
| 80 03 29 0930 | | | 3 | 1 | 6.500 | 6.01 | | 0.220 | 0.010< | 0.030< | 0.006 | 0.080 | 0.020< | 0.020< |
| 80 05 26 1730 | | | 3 | 1 | 22.0 | 6.66 | | 0.130 | 0.020 | 0.030< | 0.005 < | 0.010< | 0.160 | 0.020< |
| 80 06 22 1330 | | | 3 | 1 | 23.500 | 6.39 | | | 0.01 < | 0.03 < | 0.005 < | 0.01 < | | 0.02 < |
| 80 07 24 1830 | | | 3 | 1 | 22.500 | 6.59 | | 0.21 | 0.001< | 0.003< | 0.0002< | 0.001< | | 0.002< |
| 80 08 27 1545 | | | 3 | 1 | 23.0 | 6.65 | | 0.073 | 0.002 | 0.004 | 0.0003 | 0.010 | 0.002 | 0.002< |
| 80 09 25 1545 | | | 3 | 1 | 24.500 | 6.30 | | 0.180 | 0.004 | 0.003< | 0.0002< | 0.020 | 0.007 | 0.007 |
| 80 10 25 1545 | | | 3 | 1 | 23.000 | 4.78 | | 0.066 | 0.006 | 0.003< | 0.0002< | 0.008 | 0.003 | 0.001 |
| MAXIMUM | | | | | 24.500 | 6.66 | 7.8 | 0.220 | 0.020 | 0.03 | 0.006 | 0.080 | 0.160 | 0.02 |
| ARITH MEAN | | | | | 18.9 | 6.23 | 7.8 | 0.15 | 0.00 L | 0.01 L | 0.002 L | 0.01 L | 0.038L | 0.01 L |
| GEOM MEAN | | | | | 16.7 | 6.20 | | 0.13 | 0.00 L | 0.01 L | 0.001 L | 0.01 L | 0.011L | 0.00 L |
| MINIMUM | | | | | 6.430 | 4.78 | 7.8 | 0.066 | 0.001< | 0.003< | 0.0002< | 0.001< | 0.002< | 0.001< |
| STD DEV | | | | | 7.7 | 0.82 | | 0.06 | 0.00 L | 0.01 L | 0.002 L | 0.02 L | 0.068L | 0.00 L |
| NO OF SAMPLES | | | | | 8 | 8 | 1 | 7 | 8 | 8 | 8 | 8 | 5 | 8 |

| TEST-NAME | | | | | RA226F | GACF | GACP | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 02 20 1130 | | | 3 | 1 | 1< | 1 | 1< | 2 | | 10< |
| 80 05 26 1730 | | | 3 | 1 | 1< | 5 | 1 | 3 | 1 | 10< |
| 80 06 22 1330 | | | 3 | 1 | 1< | 2 | 1 | 3 | 1 | 10< |
| 80 07 24 1830 | | | 3 | 1 | 1< | 2 | 1 | 3 | 1 | 10< |
| 80 08 27 1545 | | | 3 | 1 | 1< | 1 | 1< | 3 | 1 | 10< |
| 80 09 25 1545 | | | 3 | 1 | 1 | 3 | 1 | 4 | 1 | 10< |
| 80 10 25 1545 | | | 3 | 1 | 1 | 2 | 1 | 4 | 1 | 10< |
| MAXIMUM | | | | | 1 | 5 | 1 | 4 | 1 | 10 |
| ARITH MEAN | | | | | 1L | 2 | 1L | 3 | 1 | 10L |
| GEOM MEAN | | | | | 1L | 2 | 1L | 3 | 1 | 10L |
| MINIMUM | | | | | 1< | 1 | 1< | 2 | 1 | 10< |
| STD DEV | | | | | 0L | 1 | 0L | 1 | 0 | 0L |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 | 6 | 7 |

B O W / SITE **DUNLOP LAKE**
SAMPLE POINT **DUNLOP LAKE IN BAY A 18 1**
STATION TYPE **LAKE**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STATION ID **14-0019-030-01**
STORET CODE **02**
**002**
**8040**

LAT LONG U T M **17 0372900.0 5149000.0 4** REGION **05** DISTANCE **93.822**

| TEST-NAME | | | | | SAMPLE | FWTEMP | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L |
| 80 05 28 1340 | | | 3 | 1 | 11747 | 15.0 | 0.004 | 0.001 | 0.020 | 0.200 | 0.002 | 0.118 | 0.140 | 0.180 |
| 80 10 29 1300 | | | 3 | 1 | 11836 | 5.0 | 0.008 | 0.001< | 0.002 | 0.120 | 0.001< | 0.060 | 0.063 | 0.118 |
| MAXIMUM | | | | | | 15.0 | 0.008 | 0.001 | 0.020 | 0.200 | 0.002 | 0.118 | 0.140 | 0.180 |
| ARITH MEAN | | | | | | 10.0 | 0.006 | 0.001L | 0.011 | 0.160 | 0.001L | 0.089 | 0.101 | 0.149 |
| GEOM MEAN | | | | | | 8.7 | 0.006 | 0.001L | 0.006 | 0.155 | 0.001L | 0.084 | 0.094 | 0.146 |
| MINIMUM | | | | | | 5.0 | 0.004 | 0.001< | 0.002 | 0.120 | 0.001< | 0.060 | 0.063 | 0.118 |
| STD DEV | | | | | | 7.1 | 0.003 | 0.000L | 0.013 | 0.057 | 0.001L | 0.041 | 0.054 | 0.044 |
| NO OF SAMPLES | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME | | | | | NNKI | RST | RSF | COND25 | TURB | CLIDUR | SSO4UR | ACDT | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH |
| 80 05 28 1340 | | | 3 | 1 | 0.320 | 22.00 | 21.000 | 33.0 | 0.55 | 0.700 | 6.500 | | 7.0 | 7.21 |
| 80 10 29 1300 | | | 3 | 1 | 0.181 | | | 33.0 | 0.45 | 0.650 | 7.500 | 1.520 | 7.0 | 6.96 |
| MAXIMUM | | | | | 0.320 | 22.00 | 21.000 | 33.0 | 0.55 | 0.700 | 7.500 | 1.520 | 7.0 | 7.21 |
| ARITH MEAN | | | | | 0.250 | 22.00 | 21.000 | 33.0 | 0.50 | 0.675 | 7.000 | 1.520 | 7.0 | 7.08 |
| GEOM MEAN | | | | | 0.241 | | | 33.0 | 0.50 | 0.675 | 6.982 | | 7.0 | 7.08 |
| MINIMUM | | | | | 0.181 | 22.00 | 21.000 | 33.0 | 0.45 | 0.650 | 6.500 | 1.520 | 7.0 | 6.96 |
| STD DEV | | | | | 0.098 | | | 0.0 | 0.07 | 0.035 | 0.707 | | 0.0 | 0.18 |
| NO OF SAMPLES | | | | | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 2 |

| TEST-NAME | | | | | FEUT | MGUR | COLAP | ASUT | ALUT | CUUT | PBUT | CDUT | ZNUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | IRON UNF.TOT. MG/L AS FE | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN |
| 80 05 28 1340 | | | 3 | 1 | 0.070 | 0.450 | | 0.001< | 0.040 | 0.010< | 0.030< | 0.005< | 0.010< | 0.025 |
| 80 10 29 1300 | | | 3 | 1 | 0.040 | 0.550 | 7.000 | 0.001< | 0.006 | 0.001< | 0.003< | | 0.005 | |
| MAXIMUM | | | | | 0.070 | 0.550 | 7.000 | 0.001 | 0.040 | 0.010 | 0.030 | 0.005 | 0.010 | 0.025 |
| ARITH MEAN | | | | | 0.055 | 0.500 | 7.000 | 0.001L | 0.023 | 0.005L | 0.016L | 0.005L | 0.007L | 0.025 |
| GEOM MEAN | | | | | 0.053 | 0.497 | | 0.001L | 0.015 | 0.003L | 0.009L | | 0.007L | |
| MINIMUM | | | | | 0.040 | 0.450 | 7.000 | 0.001< | 0.006 | 0.001< | 0.003< | 0.005< | 0.005< | 0.025 |
| STD DEV | | | | | 0.021 | 0.071 | | 0.000L | 0.024 | 0.006L | 0.019L | | 0.004L | |
| NO OF SAMPLES | | | | | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 1 |

(CONTD)

| TEST-NAME: | | | | | NIUT | COUT | RA226F | GACF | GACP | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 05 28 1340 | | | 3 | 1 | 0.020< | 0.020< | 1< | 1< | 2 | 2 | 1 | 10< |
| 80 10 29 1300 | | | 3 | 1 | 0.002< | | 1< | 1 | 1< | 2 | 1< | 10< |
| MAXIMUM | | | | | 0.020 | 0.020 | 1 | 1 | 2 | 2 | 1 | 10 |
| ARITH MEAN | | | | | 0.011L | 0.020L | 1L | 1L | 1L | 2 | 1L | 10L |
| GEOM MEAN | | | | | 0.006L | | 1L | 1L | 1L | 2 | 1L | 10L |
| MINIMUM | | | | | 0.002< | 0.020< | 1< | 1< | 1< | 2 | 1< | 10< |
| STD DEV | | | | | 0.013L | | 0L | 0L | 1L | 0 | 0L | 0L |
| NO OF SAMPLES | | | | | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |

B.O.W / SITE **QUIRKE LAKE**
SAMPLE POINT **SOUTH WEST OF STANROCK MINE 25 4**
STATION TYPE **LAKE**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STATION ID **14-0019-031-01**

STORET CODE **02**
**002**
**8040**

LAT LONG U T M **17 0379400.0 5147075.0 4** REGION **05** DISTANCE **85.454**

| TEST-NAME: | | | | | SAMPLE | FWTEMP | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L |
| 80 05 28 1240 | | | 3 | 1 | 11743 | 13.0 | 0.004 | 0.002 | 2.800 | 3.100 | 0.061 | 8.190 | 11.051 | 0.300 |
| 80 10 29 1245 | | | 3 | 1 | 11837 | 6.0 | 0.012 | 0.001< | 3.000 | 3.320 | 0.068 | 8.690 | 11.758 | 0.320 |
| MAXIMUM | | | | | | 13.0 | 0.012 | 0.002 | 3.000 | 3.320 | 0.068 | 8.690 | 11.758 | 0.320 |
| ARITH MEAN | | | | | | 9.5 | 0.008 | 0.001L | 2.900 | 3.210 | 0.064 | 8.440 | 11.404 | 0.310 |
| GEOM MEAN | | | | | | 8.8 | 0.007 | 0.001L | 2.898 | 3.208 | 0.064 | 8.436 | 11.399 | 0.310 |
| MINIMUM | | | | | | 6.0 | 0.004 | 0.001< | 2.800 | 3.100 | 0.061 | 8.190 | 11.051 | 0.300 |
| STD DEV | | | | | | 4.9 | 0.006 | 0.001L | 0.141 | 0.156 | 0.005 | 0.354 | 0.500 | 0.014 |
| NO OF SAMPLES | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | NNKI | RST | RSF | COND25 | TURB | CLIDUR | SSO4UR | ACDT | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH |
| 80 05 28 1240 | | | 3 | 1 | 11.351 | 269.00 | 267.000 | 410.0 | 1.20 | 7.250 | 134.000 | | 2.0 | 6.07 |
| 80 10 29 1245 | | | 3 | 1 | 12.078 | | | 475.0 | 0.50 | 9.450 | 166.000 | 3.120 | 5.0 | 5.91 |
| MAXIMUM | | | | | 12.078 | 269.00 | 267.000 | 475.0 | 1.20 | 9.450 | 166.000 | 3.120 | 5.0 | 6.07 |
| ARITH MEAN | | | | | 11.714 | 269.00 | 267.000 | 442.5 | 0.85 | 8.350 | 150.000 | 3.120 | 3.5 | 5.99 |
| GEOM MEAN | | | | | 11.709 | | | 441.3 | 0.77 | 8.277 | 149.144 | | 3.2 | 5.99 |
| MINIMUM | | | | | 11.351 | 269.00 | 267.000 | 410.0 | 0.50 | 7.250 | 134.000 | 3.120 | 2.0 | 5.91 |
| STD DEV | | | | | 0.514 | | | 46.0 | 0.49 | 1.556 | 22.627 | | 2.1 | 0.11 |
| NO OF SAMPLES | | | | | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 2 |

| TEST-NAME: | | | | | FEUT | MGUR | COLAP | ASUT | ALUT | CUUT | PBUT | CDUT | ZNUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | IRON UNF.TOT. MG/L AS FE | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN |
| 80 05 28 1240 | | | 3 | 1 | 0.110 | 1.800 | | 0.001< | 0.260 | 0.010< | 0.030< | 0.005< | 0.010< | 0.300 |
| 80 10 29 1245 | | | 3 | 1 | 0.020 | 2.600 | 7.000 | 0.001< | 0.170 | 0.005 | 0.009 | | 0.016 | |
| MAXIMUM | | | | | 0.110 | 2.600 | 7.000 | 0.001 | 0.260 | 0.010 | 0.030 | 0.005 | 0.016 | 0.300 |
| ARITH MEAN | | | | | 0.065 | 2.200 | 7.000 | 0.001L | 0.215 | 0.007L | 0.019L | 0.005L | 0.013L | 0.300 |
| GEOM MEAN | | | | | 0.047 | 2.163 | | 0.001L | 0.210 | 0.007L | 0.016L | | 0.013L | |
| MINIMUM | | | | | 0.020 | 1.800 | 7.000 | 0.001< | 0.170 | 0.005< | 0.009< | 0.005< | 0.010< | 0.300 |
| STD DEV | | | | | 0.064 | 0.566 | | 0.000L | 0.064 | 0.004L | 0.015L | | 0.004L | |
| NO OF SAMPLES | | | | | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 1 |

| TEST-NAME: | | | | | NIUT | COUT | RA226F | GACF | GACP | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 05 28 1240 | | | 3 | 1 | 0.020< | 0.020< | 3 | 13 | 1 | 15 | 1 | 10< |
| 80 10 29 1245 | | | 3 | 1 | 0.007 | | 3 | 40 | 4 | 23 | 3 | 16 |
| MAXIMUM | | | | | 0.020 | 0.020 | 3 | 40 | 4 | 23 | 3 | 16 |
| ARITH MEAN | | | | | 0.013L | 0.020L | 3 | 26 | 2 | 19 | 2 | 13L |
| GEOM MEAN | | | | | 0.012L | | 3 | 23 | 2 | 19 | 2 | 13L |
| MINIMUM | | | | | 0.007< | 0.020< | 3 | 13 | 1 | 15 | 1 | 10< |
| STD DEV | | | | | 0.009L | | 0 | 19 | 2 | 6 | 1 | 4L |
| NO OF SAMPLES | | | | | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |

B O W / SITE **QUIRKE LAKE**
SAMPLE POINT **NORTH EAST OF CAN MET MINE 25 7**
STATION TYPE **LAKE**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STATION ID **14-0019-032-01**
STORET CODE **02**
**002**
**0040**

LAT LONG U T M **17 0382650.0 5149100.0 4** REGION **05** DISTANCE **81.180**

| TEST-NAME | | | | | SAMPLE | FWTEMP | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | PHOSPHOR UNF.TOT MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L |
| 80 05 28 1300 | | | 3 | 1 | 11745 | 11.0 | 0.003 | 0.001 | 2.750 | 3.010 | 0.055 | 7.940 | 10.745 | 0.260 |
| 80 10 29 1225 | | | 3 | 1 | 11838 | 6.0 | 0.011 | 0.001< | 2.950 | 3.170 | 0.059 | 8.460 | 11.469 | 0.220 |
| MAXIMUM | | | | | | 11.0 | 0.011 | 0.001 | 2.950 | 3.170 | 0.059 | 8.460 | 11.469 | 0.260 |
| ARITH MEAN | | | | | | 8.5 | 0.007 | 0.001L | 2.850 | 3.090 | 0.057 | 8.200 | 11.107 | 0.240 |
| GEOM MEAN | | | | | | 8.1 | 0.006 | 0.001L | 2.848 | 3.089 | 0.057 | 8.196 | 11.101 | 0.239 |
| MINIMUM | | | | | | 6.0 | 0.003 | 0.001< | 2.750 | 3.010 | 0.055 | 7.940 | 10.745 | 0.220 |
| STD DEV | | | | | | 3.5 | 0.006 | 0.000L | 0.141 | 0.113 | 0.003 | 0.368 | 0.512 | 0.028 |
| NO OF SAMPLES | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME | | | | | NNKI | RST | RSF | COND25 | TURB | CLIDUR | SSO4UR | ACDT | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE FILTERED MG/L | CONDUCT 25C UMHO/CM AT 25 C | TURB'TY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH |
| 80 05 28 1300 | | | 3 | 1 | 11.005 | 264.00 | 263.000 | 405.0 | 1.30 | 7.000 | 132.000 | | 5.0 | 6.22 |
| 80 10 29 1225 | | | 3 | 1 | 11.689 | | | 465.0 | 0.50 | 9.250 | 160.000 | 3.310 | 5.0 | 5.79 |
| MAXIMUM | | | | | 11.689 | 264.00 | 263.000 | 465.0 | 1.30 | 9.250 | 160.000 | 3.310 | 5.0 | 6.22 |
| ARITH MEAN | | | | | 11.347 | 264.00 | 263.000 | 435.0 | 0.90 | 8.125 | 146.000 | 3.310 | 5.0 | 6.00 |
| GEOM MEAN | | | | | 11.342 | | | 434.0 | 0.81 | 8.047 | 145.327 | | 5.0 | 6.00 |
| MINIMUM | | | | | 11.005 | 264.00 | 263.000 | 405.0 | 0.50 | 7.000 | 132.000 | 3.310 | 5.0 | 5.79 |
| STD DEV | | | | | 0.484 | | | 42.4 | 0.57 | 1.591 | 19.799 | | 0.0 | 0.30 |
| NO OF SAMPLES | | | | | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 2 |

| TEST-NAME | | | | | FEUT | MGUR | COLAP | ASUT | ALUT | CUUT | PBUT | CDUT | ZNUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | IRON UNF.TOT. MG/L AS FE | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN |
| 80 05 28 1300 | | | 3 | 1 | 0.110 | 1.750 | | 0.001< | 0.260 | 0.010< | 0.030< | 0.005< | 0.010< | 0.298 |
| 80 10 29 1225 | | | 3 | 1 | 0.020 | 2.400 | 1.000< | 0.004 | 0.160 | 0.004 | 0.006 | | 0.016 | |
| MAXIMUM | | | | | 0.110 | 2.400 | 1.000 | 0.004 | 0.260 | 0.010 | 0.030 | 0.005 | 0.016 | 0.298 |
| ARITH MEAN | | | | | 0.065 | 2.075 | 1.000L | 0.002L | 0.210 | 0.007L | 0.018L | 0.005L | 0.013L | 0.298 |
| GEOM MEAN | | | | | 0.047 | 2.049 | | 0.002L | 0.204 | 0.006L | 0.013L | | 0.013L | |
| MINIMUM | | | | | 0.020 | 1.750 | 1.000< | 0.001< | 0.160 | 0.004< | 0.006< | 0.005< | 0.010< | 0.298 |
| STD DEV | | | | | 0.064 | 0.460 | | 0.002L | 0.071 | 0.004L | 0.017L | | 0.004L | |
| NO OF SAMPLES | | | | | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 1 |

| TEST-NAME | | | | | NIUT | COUT | RA226F | GACF | GACP | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 05 28 1300 | | | 3 | 1 | 0.020< | 0.020< | 3 | 16 | 3 | 23 | 4 | 10< |
| 80 10 29 1225 | | | 3 | 1 | 0.006 | | 3 | 47 | 3 | 23 | 2 | 16 |
| MAXIMUM | | | | | 0.020 | 0.020 | 3 | 47 | 3 | 23 | 4 | 16 |
| ARITH MEAN | | | | | 0.013L | 0.020L | 3 | 31 | 3 | 23 | 3 | 13L |
| GEOM MEAN | | | | | 0.011L | | 3 | 27 | 3 | 23 | 3 | 13L |
| MINIMUM | | | | | 0.006< | 0.020< | 3 | 16 | 3 | 23 | 2 | 10< |
| STD DEV | | | | | 0.010L | | 0 | 22 | 0 | 0 | 1 | 4L |
| NO OF SAMPLES | | | | | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |

B O W / SITE **QUIRKE LAKE**
SAMPLE POINT **SOUTH EAST CORNER 25 6**
STATION TYPE **LAKE**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STATION ID **14-0019-033-01**
STORET CODE **02**
**002**
**0040**

LAT LONG U T M **17 0382500.0 5147450.0 4** REGION **05** DISTANCE **83.040**

| TEST-NAME | | | | | SAMPLE | FWTEMP | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | PHOSPHOR UNF.TOT MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L |
| 80 05 28 1320 | | | 3 | 1 | 11746 | 14.0 | 0.003 | 0.002 | 2.700 | 2.910 | 0.058 | 8.190 | 10.948 | 0.210 |
| 80 10 29 1215 | | | 3 | 1 | 11839 | 6.0 | 0.010 | 0.001 | 2.950 | 3.120 | 0.055 | 8.460 | 11.465 | 0.170 |
| MAXIMUM | | | | | | 14.0 | 0.010 | 0.002 | 2.950 | 3.120 | 0.058 | 8.460 | 11.465 | 0.210 |
| ARITH MEAN | | | | | | 10.0 | 0.006 | 0.001 | 2.825 | 3.015 | 0.056 | 8.325 | 11.206 | 0.190 |
| GEOM MEAN | | | | | | 9.2 | 0.005 | 0.001 | 2.822 | 3.013 | 0.056 | 8.324 | 11.204 | 0.189 |
| MINIMUM | | | | | | 6.0 | 0.003 | 0.001 | 2.700 | 2.910 | 0.055 | 8.190 | 10.948 | 0.170 |
| STD DEV | | | | | | 5.7 | 0.005 | 0.001 | 0.177 | 0.148 | 0.002 | 0.191 | 0.366 | 0.028 |
| NO OF SAMPLES | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME | | | | | NNKI | RST | RSF | COND25 | TURB | CLIDUR | SSO4UR | ACDT | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'TY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH |
| 80 05 28 1320 | | | 3 | 1 | 11.158 | 264.00 | 263.000 | 405.0 | 1.20 | 7.050 | 133.000 | | 5.0 | 5.08 |
| 80 10 29 1215 | | | 3 | 1 | 11.635 | | | 470.0 | 0.55 | 9.200 | 165.000 | 3.110 | 5.0 | 5.78 |
| MAXIMUM | | | | | 11.635 | 264.00 | 263.000 | 470.0 | 1.20 | 9.200 | 165.000 | 3.110 | 5.0 | 5.78 |
| ARITH MEAN | | | | | 11.396 | 264.00 | 263.000 | 437.5 | 0.87 | 8.125 | 149.000 | 3.110 | 5.0 | 5.43 |
| GEOM MEAN | | | | | 11.394 | | | 436.3 | 0.81 | 8.054 | 148.138 | | 5.0 | 5.42 |
| MINIMUM | | | | | 11.158 | 264.00 | 263.000 | 405.0 | 0.55 | 7.050 | 133.000 | 3.110 | 5.0 | 5.08 |
| STD DEV | | | | | 0.337 | | | 46.0 | 0.46 | 1.520 | 22.627 | | 0.0 | 0.49 |
| NO OF SAMPLES | | | | | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 2 |

(CONTD)

| | | | TEST-NAME | | FEUT | MGUR | COLAP | ASUT | ALUT | CUUT | PBUT | CDUT | ZNUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | IRON UNF.TOT. MG/L AS FE | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT MG/L AS CD | ZINC UNF.TOT MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN |
| 80 05 28 1320 | | | 3 | 1 | 0 110 | 1 750 | | 0 001< | 0 210 | 0 010< | 0 030< | 0 005< | 0 010 | 0 302 |
| 80 10 29 1215 | | | 3 | 1 | 0 020 | 2 350 | 1 000< | 0 001< | 0 200 | 0 004 | 0 003 | | 0 019 | |
| MAXIMUM | | | | | 0.110 | 2.350 | 1.000 | 0.001 | 0.210 | 0.010 | 0.030 | 0.005 | 0.019 | 0.302 |
| ARITH MEAN | | | | | 0.065 | 2.050 | 1.000L | 0.001L | 0.205 | 0.007L | 0.016L | 0.005L | 0.014 | 0.302 |
| GEOM MEAN | | | | | 0.047 | 2.028 | | 0.001L | 0.205 | 0.006L | 0.009L | | 0.014 | |
| MINIMUM | | | | | 0.020 | 1.750 | 1.000< | 0.001< | 0.200 | 0.004< | 0.003< | 0.005< | 0.010 | 0.302 |
| STD DEV | | | | | 0.064 | 0.424 | | 0.000L | 0.007 | 0.004L | 0.019L | | 0.006 | |
| NO OF SAMPLES | | | | | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 1 |

| | | | TEST-NAME | | NIUT | COUT | RA226F | GACF | GACP | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 05 28 1320 | | | 3 | 1 | 0 020< | 0 020< | 4 | 16 | 2 | 24 | 2 | 14 |
| 80 10 29 1215 | | | 3 | 1 | 0 006 | | 3 | 42 | 2 | 23 | 2 | 17 |
| MAXIMUM | | | | | 0.020 | 0.020 | 4 | 42 | 2 | 24 | 2 | 17 |
| ARITH MEAN | | | | | 0.013L | 0.020L | 3 | 29 | 2 | 23 | 2 | 15 |
| GEOM MEAN | | | | | 0.011L | | 3 | 26 | 2 | 23 | 2 | 15 |
| MINIMUM | | | | | 0.006< | 0.020< | 3 | 16 | 2 | 23 | 2 | 14 |
| STD DEV | | | | | 0.010L | | 1 | 18 | 0 | 1 | 0 | 2 |
| NO OF SAMPLES | | | | | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |

B O W / SITE **QUIRKE LAKE**
SAMPLE POINT **EAST OF DENISON MINE 25 2**
STATION TYPE **LAKE**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STATION ID **14-0019-034-01**
STORET CODE **02**
**002**
**9040**

LAT LONG U T M **17 0377800.0 5149100.0 4** REGION **05** DISTANCE **85.776**

| | | | TEST-NAME | | SAMPLE | FWTEMP | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L |
| 80 05 28 1250 | | | 3 | 1 | 11744 | 13 0 | 0 003 | 0 001 | 2 900 | 3 200 | 0 061 | 8 190 | 11 151 | 0 300 |
| 80 10 29 1235 | | | 3 | 1 | 11840 | 6 0 | 0 012 | 0 001< | 3 100 | 3 170 | 0 052 | 8 470 | 11 622 | 0 070 |
| MAXIMUM | | | | | | 13.0 | 0.012 | 0.001 | 3.100 | 3.200 | 0.061 | 8.470 | 11.622 | 0.300 |
| ARITH MEAN | | | | | | 9.5 | 0.007 | 0.001L | 3.000 | 3.185 | 0.056 | 8.330 | 11.386 | 0.185 |
| GEOM MEAN | | | | | | 8.8 | 0.006 | 0.001L | 2.998 | 3.185 | 0.056 | 8.329 | 11.384 | 0.145 |
| MINIMUM | | | | | | 6.0 | 0.003 | 0.001< | 2.900 | 3.170 | 0.052 | 8.190 | 11.151 | 0.070 |
| STD DEV | | | | | | 4.9 | 0.006 | 0.000L | 0.141 | 0.021 | 0.006 | 0.198 | 0.333 | 0.163 |
| NO OF SAMPLES | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| | | | TEST-NAME | | NNKI | RST | RSF | COND25 | TURB | CLIDUR | SSO4UR | ACDT | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH |
| 80 05 28 1250 | | | 3 | 1 | 11 451 | 272 00 | 270 000 | 415 0 | 1 20 | 7 150 | 134 000 | | 3 0 | 6 13 |
| 80 10 29 1235 | | | 3 | 1 | 11 692 | | | 470 0 | 0 60 | 9 150 | 161 000 | 3 610 | 5 0 | 5 77 |
| MAXIMUM | | | | | 11.692 | 272.00 | 270.000 | 470.0 | 1.20 | 9.150 | 161.000 | 3.610 | 5.0 | 6.13 |
| ARITH MEAN | | | | | 11.571 | 272.00 | 270.000 | 442.5 | 0.90 | 8.150 | 147.500 | 3.610 | 4.0 | 5.95 |
| GEOM MEAN | | | | | 11.571 | | | 441.6 | 0.85 | 8.088 | 146.881 | | 3.9 | 5.95 |
| MINIMUM | | | | | 11.451 | 272.00 | 270.000 | 415.0 | 0.60 | 7.150 | 134.000 | 3.610 | 3.0 | 5.77 |
| STD DEV | | | | | 0.170 | | | 38.9 | 0.42 | 1.414 | 19.092 | | 1.4 | 0.25 |
| NO OF SAMPLES | | | | | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 2 |

| | | | TEST-NAME | | FEUT | MGUR | COLAP | ASUT | ALUT | CUUT | PBUT | CDUT | ZNUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | IRON UNF.TOT. MG/L AS FE | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN |
| 80 05 28 1250 | | | 3 | 1 | 0 110 | 1 750 | | 0 001< | 0 150 | 0 010< | 0 030< | 0 005< | 0 010< | 0 298 |
| 80 10 29 1235 | | | 3 | 1 | 0 010 | 2 350 | 1 000< | 0 001< | 0 200 | 0 004 | 0 006 | | 0 026 | |
| MAXIMUM | | | | | 0.110 | 2.350 | 1.000 | 0.001 | 0.200 | 0.010 | 0.030 | 0.005 | 0.026 | 0.298 |
| ARITH MEAN | | | | | 0.060 | 2.050 | 1.000L | 0.001L | 0.175 | 0.007L | 0.018L | 0.005L | 0.018L | 0.298 |
| GEOM MEAN | | | | | 0.033 | 2.028 | | 0.001L | 0.173 | 0.006L | 0.013L | | 0.016L | |
| MINIMUM | | | | | 0.010 | 1.750 | 1.000< | 0.001< | 0.150 | 0.004< | 0.006< | 0.005< | 0.010< | 0.298 |
| STD DEV | | | | | 0.071 | 0.424 | | 0.000L | 0.035 | 0.004L | 0.017L | | 0.011L | |
| NO OF SAMPLES | | | | | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 1 |

| | | | TEST-NAME | | NIUT | COUT | RA226F | GACF | GACP | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 05 28 1250 | | | 3 | 1 | 0 020< | 0 020< | 3 | 31 | 2 | 19 | 2 | 12 |
| 80 10 29 1235 | | | 3 | 1 | 0 007 | | 3 | 42 | 3 | 22 | 3 | 16 |
| MAXIMUM | | | | | 0.020 | 0.020 | 3 | 42 | 3 | 22 | 3 | 16 |
| ARITH MEAN | | | | | 0.013L | 0.020L | 3 | 36 | 2 | 20 | 2 | 14 |
| GEOM MEAN | | | | | 0.012L | | 3 | 36 | 2 | 20 | 2 | 14 |
| MINIMUM | | | | | 0.007< | 0.020< | 3 | 31 | 2 | 19 | 2 | 12 |
| STD DEV | | | | | 0.009L | | 0 | 8 | 1 | 2 | 1 | 3 |
| NO OF SAMPLES | | | | | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |

B O W / SITE **WHISKEY LAKE**
SAMPLE POINT **SOUTH END NEAR RUM POINT 29 4**
STATION TYPE **LAKE**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STATION ID **14-0019-035-01**
STORET CODE **02**
**002**
**8040**

LAT LONG U T M **17 0396300.0 5140000.0 4** REGION **05** DISTANCE **59.383**

| TEST-NAME: | | | | | SAMPLE | FWTEMP | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L |
| 80 05 28 1130 | | | 3 | 1 | 11739 | 14.0 | 0.003 | 0.001 | 1.740 | 1.940 | 0.030 | 0.950 | 2.720 | 0.200 |
| 80 10 29 1350 | | | 3 | 1 | 11844 | 5.0 | 0.005 | 0.001< | 1.610 | 1.700 | 0.032 | 5.470 | 7.112 | 0.090 |
| MAXIMUM | | | | | | 14.0 | 0.005 | 0.001 | 1.740 | 1.940 | 0.032 | 5.470 | 7.112 | 0.200 |
| ARITH MEAN | | | | | | 9.5 | 0.004 | 0.001L | 1.675 | 1.820 | 0.031 | 3.210 | 4.916 | 0.145 |
| GEOM MEAN | | | | | | 8.4 | 0.004 | 0.001L | 1.674 | 1.816 | 0.031 | 2.280 | 4.398 | 0.134 |
| MINIMUM | | | | | | 5.0 | 0.003 | 0.001< | 1.610 | 1.700 | 0.030 | 0.950 | 2.720 | 0.090 |
| STD DEV | | | | | | 6.4 | 0.001 | 0.000L | 0.092 | 0.170 | 0.001 | 3.196 | 3.106 | 0.078 |
| NO OF SAMPLES | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | NNKI | RST | RSF | COND25 | TURB | CLIDUR | SSO4UR | ACDT | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH |
| 80 05 28 1130 | | | 3 | 1 | 2.920 | 204.00 | 202.000 | 310.0 | 0.85 | 4.750 | 98.000 | | 6.0 | 5.98 |
| 80 10 29 1350 | | | 3 | 1 | 7.202 | | | 315.0 | 2.60 | 5.000 | 105.000 | 3.000 | 4.0 | 5.46 |
| MAXIMUM | | | | | 7.202 | 204.00 | 202.000 | 315.0 | 2.60 | 5.000 | 105.000 | 3.000 | 6.0 | 5.98 |
| ARITH MEAN | | | | | 5.061 | 204.00 | 202.000 | 312.5 | 1.72 | 4.875 | 101.500 | 3.000 | 5.0 | 5.72 |
| GEOM MEAN | | | | | 4.586 | | | 312.5 | 1.49 | 4.873 | 101.440 | | 4.9 | 5.71 |
| MINIMUM | | | | | 2.920 | 204.00 | 202.000 | 310.0 | 0.85 | 4.750 | 98.000 | 3.000 | 4.0 | 5.46 |
| STD DEV | | | | | 3.028 | | | 3.5 | 1.24 | 0.177 | 4.950 | | 1.4 | 0.37 |
| NO OF SAMPLES | | | | | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 2 |

| TEST-NAME: | | | | | FEUT | MGUR | COLAP | ASUT | ALUT | CUUT | PBUT | CDUT | ZNUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | IRON UNF.TOT. MG/L AS FE | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN |
| 80 05 28 1130 | | | 3 | 1 | 0.050 | 1.650 | 0.100 | 0.001< | 0.110 | 0.010< | 0.030< | 0.005< | 0.010< | 0.290 |
| 80 10 29 1350 | | | 3 | 1 | 0.030 | 1.950 | 1.000< | 0.001< | 0.170 | 0.003 | 0.003 | | 0.016 | |
| MAXIMUM | | | | | 0.050 | 1.950 | 1.000 | 0.001 | 0.170 | 0.010 | 0.030 | 0.005 | 0.016 | 0.290 |
| ARITH MEAN | | | | | 0.040 | 1.800 | 0.550L | 0.001L | 0.140 | 0.006L | 0.016L | 0.005L | 0.013L | 0.290 |
| GEOM MEAN | | | | | 0.039 | 1.794 | 0.316L | 0.001L | 0.137 | 0.005L | 0.009L | | 0.013L | |
| MINIMUM | | | | | 0.030 | 1.650 | 0.100< | 0.001< | 0.110 | 0.003< | 0.003< | 0.005< | 0.010< | 0.290 |
| STD DEV | | | | | 0.014 | 0.212 | 0.636L | 0.000L | 0.042 | 0.005L | 0.019L | | 0.004L | |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 |

| TEST-NAME: | | | | | NIUT | COUT | RA226F | GACF | GACP | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 05 28 1130 | | | 3 | 1 | 0.020< | 0.020< | 3 | 14 | 3 | 18 | 2 | 10< |
| 80 10 29 1350 | | | 3 | 1 | 0.007 | | 3 | 15 | 1 | 16 | 1 | 10< |
| MAXIMUM | | | | | 0.020 | 0.020 | 3 | 15 | 3 | 18 | 2 | 10 |
| ARITH MEAN | | | | | 0.013L | 0.020L | 3 | 14 | 2 | 17 | 1 | 10L |
| GEOM MEAN | | | | | 0.012L | | 3 | 14 | 2 | 17 | 1 | 10L |
| MINIMUM | | | | | 0.007< | 0.020< | 3 | 14 | 1 | 16 | 1 | 10< |
| STD DEV | | | | | 0.009L | | 0 | 1 | 1 | 1 | 1 | 0L |
| NO OF SAMPLES | | | | | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |

B O W / SITE **MCCABE LAKE**
SAMPLE POINT **CENTRE OF LAKE 35 1**
STATION TYPE **LAKE**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STATION ID **14-0019-036-01**
STORET CODE **02**
**002**
**8040**

LAT LONG U T M **17 0379825.0 5142000.0 4** REGION **05** DISTANCE **68.522**

| TEST-NAME: | | | | | SAMPLE | FWTEMP | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L |
| 80 05 28 1230 | | | 3 | 1 | 11742 | 15.0 | 0.003 | 0.001 | 0.050 | 0.210 | 0.005 | 0.180 | 0.235 | 0.160 |
| 80 10 29 1140 | | | 3 | 1 | 11835 | 4.0 | 0.015 | 0.004 | 0.004 | 0.150 | 0.002 | 0.148 | 0.154 | 0.146 |
| MAXIMUM | | | | | | 15.0 | 0.015 | 0.004 | 0.050 | 0.210 | 0.005 | 0.180 | 0.235 | 0.160 |
| ARITH MEAN | | | | | | 9.5 | 0.009 | 0.002 | 0.027 | 0.180 | 0.003 | 0.164 | 0.194 | 0.153 |
| GEOM MEAN | | | | | | 7.7 | 0.007 | 0.002 | 0.014 | 0.177 | 0.003 | 0.163 | 0.190 | 0.153 |
| MINIMUM | | | | | | 4.0 | 0.003 | 0.001 | 0.004 | 0.150 | 0.002 | 0.148 | 0.154 | 0.146 |
| STD DEV | | | | | | 7.8 | 0.008 | 0.002 | 0.033 | 0.042 | 0.002 | 0.023 | 0.057 | 0.010 |
| NO OF SAMPLES | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | NNKI | RST | RSF | COND25 | TURB | CLIDUR | SSO4UR | ACDT | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH |
| 80 05 28 1230 | | | 3 | 1 | 0.395 | 128.00 | 127.000 | 195.0 | 0.90 | 1.650 | 68.000 | | 10.0 | 7.08 |
| 80 10 29 1140 | | | 3 | 1 | 0.300 | | | 210.0 | 0.40 | 3.150 | 76.500 | 1.360 | 11.0 | 7.41 |
| MAXIMUM | | | | | 0.395 | 128.00 | 127.000 | 210.0 | 0.90 | 3.150 | 76.500 | 1.360 | 11.0 | 7.41 |
| ARITH MEAN | | | | | 0.347 | 128.00 | 127.000 | 202.5 | 0.65 | 2.400 | 72.250 | 1.360 | 10.5 | 7.24 |
| GEOM MEAN | | | | | 0.344 | | | 202.4 | 0.60 | 2.280 | 72.125 | | 10.5 | 7.24 |
| MINIMUM | | | | | 0.300 | 128.00 | 127.000 | 195.0 | 0.40 | 1.650 | 68.000 | 1.360 | 10.0 | 7.08 |
| STD DEV | | | | | 0.067 | | | 10.6 | 0.35 | 1.061 | 6.010 | | 0.7 | 0.23 |
| NO OF SAMPLES | | | | | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 2 |

(CONTD)

| TEST-NAME: SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | FEUT IRON UNF.TOT. MG/L AS FE | MGUR MAGNESIM FIL.REAC MG/L AS MG | COLAP COLOUR APPARENT HZU | ASUT ARSENIC UNF.TOT. MG/L AS AS | ALUT ALUMINUM UNF.TOT. MG/L AS AL | CUUT COPPER UNF.TOT. MG/L AS CU | PBUT LEAD UNF.TOT. MG/L AS PB | CDUT CADMIUM UNF.TOT. MG/L AS CD | ZNUT ZINC UNF.TOT. MG/L AS ZN | MNUT MANGANSE UNF.TOT. MG/L AS MN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 05 28 1230 | | | 3 | 1 | 0 110 | 1 400 | | 0 001< | 0 020< | 0 010< | 0 030< | 0 005< | 0 010< | 0 057 |
| 80 10 29 1140 | | | 3 | 1 | 0 020 | 2 050 | 4 000 | 0 001< | 0 004 | 0 001< | 0 003< | | 0 002 | |
| MAXIMUM | | | | | 0.110 | 2.050 | 4.000 | 0.001 | 0.020 | 0.010 | 0.030 | 0.005 | 0.010 | 0.057 |
| ARITH MEAN | | | | | 0.065 | 1.725 | 4.000 | 0.001L | 0.012L | 0.006L | 0.016L | 0.005L | 0.006L | 0.057 |
| GEOM MEAN | | | | | 0.047 | 1.694 | | 0.001L | 0.009L | 0.003L | 0.009L | | 0.004L | |
| MINIMUM | | | | | 0.020 | 1.400 | 4.000 | 0.001< | 0.004< | 0.001< | 0.003< | 0.005< | 0.002< | 0.057 |
| STD DEV | | | | | 0.064 | 0.460 | | 0.000L | 0.011L | 0.006L | 0.019L | | 0.006L | |
| NO OF SAMPLES | | | | | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 1 |

| TEST-NAME: SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NIUT NICKEL UNF.TOT. MG/L AS NI | COUT COBALT UNF.TOT. MG/L AS CO | RA226F RADIUM 226 FIL. PCI/L | GACF GROSS ALPHA CT FILTERED PCI/L | GACP GROSS ALPHA CT UNDISSOL PCI/L | GBCF GROSS BETA CT FILTERED PCI/L | GBCP GROSS BETA CT UNDISSOL PCI/L | UU238 URANIUM 238 UG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 05 28 1230 | | | 3 | 1 | 0 020< | 0 020< | 4 | 11 | 1 | 8 | 1< | 10< |
| 80 10 29 1140 | | | 3 | 1 | 0 002< | | 5 | 14 | 1 | 9 | 1 | 10< |
| MAXIMUM | | | | | 0.020 | 0.020 | 5 | 14 | 1 | 9 | 1 | 10 |
| ARITH MEAN | | | | | 0.011L | 0.020L | 4 | 12 | 1 | 8 | 1L | 10L |
| GEOM MEAN | | | | | 0.006L | | 4 | 12 | 1 | 8 | 1L | 10L |
| MINIMUM | | | | | 0.002< | 0.020< | 4 | 11 | 1 | 8 | 1< | 10< |
| STD DEV | | | | | 0.013L | | 1 | 2 | 0 | 1 | 0L | 0L |
| NO OF SAMPLES | | | | | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |

STATION ID 14-0019-037-01

B O W / SITE **CAMP LAKE**
SAMPLE POINT **AT SOUTH END 55 1**
STATION TYPE **LAKE**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STORET CODE **02**
**002**
**0040**

LAT LONG U T M **17 0388850.0 5120950.0 4** REGION **05** DISTANCE **16.737**

| TEST-NAME: SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE SAMPLE NUMBER | FWTEMP WATER TEMP DEG.C | PPUT PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR PO4 FIL.REAC MG/L AS P | NNHTFR NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR NO2-N FIL.REAC MG/L AS N | NNO3FR NO3-N FIL.REAC MG/L AS N | NNTIFR ORG N TOTAL FIL.REAC MG/L | NNKUR KJELDAHL ORGANIC UNF.REAC MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 05 28 1020 | | | 3 | 1 | 11735 | 16 0 | 0 006 | 0 001 | 0 560 | 0 800 | 0 008 | 2 740 | 3 308 | 0 240 |
| 80 10 29 1030 | | | 3 | 1 | 11847 | 4 0 | 0 012 | 0 001< | 0 382 | 0 580 | 0 008 | 2 790 | 3 180 | 0 198 |
| MAXIMUM | | | | | | 16.0 | 0.012 | 0.001 | 0.560 | 0.800 | 0.008 | 2.790 | 3.308 | 0.240 |
| ARITH MEAN | | | | | | 10.0 | 0.009 | 0.001L | 0.471 | 0.690 | 0.008 | 2.765 | 3.244 | 0.219 |
| GEOM MEAN | | | | | | 8.0 | 0.008 | 0.001L | 0.463 | 0.681 | 0.008 | 2.765 | 3.243 | 0.218 |
| MINIMUM | | | | | | 4.0 | 0.006 | 0.001< | 0.382 | 0.580 | 0.008 | 2.740 | 3.180 | 0.198 |
| STD DEV | | | | | | 8.5 | 0.004 | 0.000L | 0.126 | 0.156 | 0.000 | 0.035 | 0.091 | 0.030 |
| NO OF SAMPLES | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NNKI TOTAL N MG/L AS N | RST RESIDUE TOTAL MG/L | RSF RESIDUE FILTERED MG/L | COND25 CONDUCT. 25C UMHO/CM AT 25 C | TURB TURB'ITY FTU | CLIDUR CHLORIDE UNF.REAC MG/L AS CL | SSO4UR SULPHATE UNF.REAC MG/L AS SO4 | ACDT ACIDITY TOTAL MG/L AS CACO3 | ALKT ALK TOTAL MG/L AS CACO3 | PH PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 05 28 1020 | | | 3 | 1 | 3 548 | 125 00 | 124 000 | 190 0 | 0 85 | 3 950 | 56 000 | | 5 0 | 6 67 |
| 80 10 29 1030 | | | 3 | 1 | 3 378 | | | 195 0 | 0 65 | 4 150 | 62 500 | 2 040 | 6 0 | 6 34 |
| MAXIMUM | | | | | 3.548 | 125.00 | 124.000 | 195.0 | 0.85 | 4.150 | 62.500 | 2.040 | 6.0 | 6.67 |
| ARITH MEAN | | | | | 3.463 | 125.00 | 124.000 | 192.5 | 0.75 | 4.050 | 59.250 | 2.040 | 5.5 | 6.50 |
| GEOM MEAN | | | | | 3.462 | | | 192.5 | 0.74 | 4.049 | 59.161 | | 5.5 | 6.50 |
| MINIMUM | | | | | 3.378 | 125.00 | 124.000 | 190.0 | 0.65 | 3.950 | 56.000 | 2.040 | 5.0 | 6.34 |
| STD DEV | | | | | 0.120 | | | 3.5 | 0.14 | 0.141 | 4.596 | | 0.7 | 0.23 |
| NO OF SAMPLES | | | | | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 2 |

| TEST-NAME: SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | FEUT IRON UNF.TOT. MG/L AS FE | MGUR MAGNESIM FIL.REAC MG/L AS MG | COLAP COLOUR APPARENT HZU | ASUT ARSENIC UNF.TOT. MG/L AS AS | ALUT ALUMINUM UNF.TOT. MG/L AS AL | CUUT COPPER UNF.TOT. MG/L AS CU | PBUT LEAD UNF.TOT. MG/L AS PB | CDUT CADMIUM UNF.TOT. MG/L AS CD | ZNUT ZINC UNF.TOT. MG/L AS ZN | MNUT MANGANSE UNF.TOT. MG/L AS MN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 05 28 1020 | | | 3 | 1 | 0 050 | 1 600 | 9 000 | 0 001< | 0 120 | 0 010< | 0 030< | 0 005< | 0 010< | 0 172 |
| 80 10 29 1030 | | | 3 | 1 | 0 050 | 2 000 | 6 000 | 0 001< | 0 063 | 0 001< | 0 003< | | 0 009 | |
| MAXIMUM | | | | | 0.050 | 2.000 | 9.000 | 0.001 | 0.120 | 0.010 | 0.030 | 0.005 | 0.010 | 0.172 |
| ARITH MEAN | | | | | 0.050 | 1.800 | 7.500 | 0.001L | 0.091 | 0.006L | 0.016L | 0.005L | 0.009L | 0.172 |
| GEOM MEAN | | | | | 0.050 | 1.789 | 7.348 | 0.001L | 0.087 | 0.003L | 0.009L | | 0.009L | |
| MINIMUM | | | | | 0.050 | 1.600 | 6.000 | 0.001< | 0.063 | 0.001< | 0.003< | 0.005< | 0.009< | 0.172 |
| STD DEV | | | | | 0.000 | 0.283 | 2.121 | 0.000L | 0.040 | 0.006L | 0.019L | | 0.001L | |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 |

| TEST-NAME: SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NIUT NICKEL UNF.TOT. MG/L AS NI | COUT COBALT UNF.TOT. MG/L AS CO | RA226F RADIUM 226 FIL. PCI/L | GACF GROSS ALPHA CT FILTERED PCI/L | GACP GROSS ALPHA CT UNDISSOL PCI/L | GBCF GROSS BETA CT FILTERED PCI/L | GBCP GROSS BETA CT UNDISSOL PCI/L | UU238 URANIUM 238 UG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 05 28 1020 | | | 3 | 1 | 0 020< | 0 020< | 3 | 8 | 68 | 10 | 35 | 10< |
| 80 10 29 1030 | | | 3 | 1 | 0 003 | | 3 | 9 | 1 | 9 | 1 | 10< |
| MAXIMUM | | | | | 0.020 | 0.020 | 3 | 9 | 68 | 10 | 35 | 10 |
| ARITH MEAN | | | | | 0.011L | 0.020L | 3 | 8 | 34 | 9 | 18 | 10L |
| GEOM MEAN | | | | | 0.008L | | 3 | 8 | 8 | 9 | 6 | 10L |
| MINIMUM | | | | | 0.003< | 0.020< | 3 | 8 | 1 | 9 | 1 | 10< |
| STD DEV | | | | | 0.012L | | 0 | 1 | 47 | 1 | 24 | 0L |
| NO OF SAMPLES | | | | | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |

B O W / SITE **SERPENT HARBOUR**
SAMPLE POINT **NEAR HOSPITAL POINT 88 2**
STATION TYPE **LAKE**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STATION ID **14-0019-038-01**
STORET CODE **02**
**002**
**8040**

LAT LONG U T M **17 0370700.0 5117275.0 4** REGION **05**

| TEST-NAME: | | | | | SAMPLE | FWTEMP | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L |
| 80 05 28 1000 | | | 3 | 1 | 11734 | 15 0 | 0 008 | 0 001 | 0 362 | 0 690 | 0 006 | 1.840 | 2 208 | 0.328 |
| 80 10 29 1010 | | | 3 | 1 | 11848 | 6 0 | 0 013 | 0 001 | 0 198 | 0 500 | 0.007 | 1 540 | 1 745 | 0.302 |
| MAXIMUM | | | | | | 15.0 | 0.013 | 0.001 | 0.362 | 0.690 | 0.007 | 1.840 | 2.208 | 0.328 |
| ARITH MEAN | | | | | | 10.5 | 0.010 | 0.001 | 0.280 | 0.595 | 0.006 | 1.690 | 1.976 | 0.315 |
| GEOM MEAN | | | | | | 9.5 | 0.010 | 0.001 | 0.268 | 0.587 | 0.006 | 1.683 | 1.963 | 0.315 |
| MINIMUM | | | | | | 6.0 | 0.008 | 0.001 | 0.198 | 0.500 | 0.006 | 1.540 | 1.745 | 0.302 |
| STD DEV | | | | | | 6.4 | 0.004 | 0.000 | 0.116 | 0.134 | 0.001 | 0.212 | 0.327 | 0.018 |
| NO OF SAMPLES | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | NNKI | RST | RSF | COND25 | TURB | CLIDUR | SSO4UR | ACDT | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH |
| 80 05 28 1000 | | | 3 | 1 | 2 536 | 103 00 | 101 000 | 155 0 | 1 70 | 3.600 | 43 500 | | 11 0 | 6 96 |
| 80 10 29 1010 | | | 3 | 1 | 2 047 | | | 130 0 | 1 40 | 3 400 | 38 500 | 2.230 | 7 0 | 6 76 |
| MAXIMUM | | | | | 2.536 | 103.00 | 101.000 | 155.0 | 1.70 | 3.600 | 43.500 | 2.230 | 11.0 | 6.96 |
| ARITH MEAN | | | | | 2.291 | 103.00 | 101.000 | 142.5 | 1.55 | 3.500 | 41.000 | 2.230 | 9.0 | 6.86 |
| GEOM MEAN | | | | | 2.278 | | | 142.0 | 1.54 | 3.499 | 40.924 | | 8.8 | 6.86 |
| MINIMUM | | | | | 2.047 | 103.00 | 101.000 | 130.0 | 1.40 | 3.400 | 38.500 | 2.230 | 7.0 | 6.76 |
| STD DEV | | | | | 0.346 | | | 17.7 | 0.21 | 0.141 | 3.536 | | 2.8 | 0.14 |
| NO OF SAMPLES | | | | | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 2 |

| TEST-NAME: | | | | | FEUT | MGUR | COLAP | ASUT | ALUT | CUUT | PBUT | CDUT | ZNUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | IRON UNF.TOT. MG/L AS FE | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN |
| 80 05 28 1000 | | | 3 | 1 | 0 120 | 1 750 | 11.000 | 0 001< | 0 160 | 0 010< | 0 030< | 0 005< | 0 010< | 0 127 |
| 80 10 29 1010 | | | 3 | 1 | 0 170 | 1 600 | 27 000 | 0 001< | 0 074 | 0 001 | 0 003< | | 0 005 | |
| MAXIMUM | | | | | 0.170 | 1.750 | 27.000 | 0.001 | 0.160 | 0.010 | 0.030 | 0.005 | 0.010 | 0.127 |
| ARITH MEAN | | | | | 0.145 | 1.675 | 19.000 | 0.001L | 0.117 | 0.005L | 0.016L | 0.005L | 0.007L | 0.127 |
| GEOM MEAN | | | | | 0.143 | 1.673 | 17.234 | 0.001L | 0.109 | 0.003L | 0.009L | | 0.007L | |
| MINIMUM | | | | | 0.120 | 1.600 | 11.000 | 0.001< | 0.074 | 0.001< | 0.003< | 0.005< | 0.005< | 0.127 |
| STD DEV | | | | | 0.035 | 0.106 | 11.314 | 0.000L | 0.061 | 0.006L | 0.019L | | 0.004L | |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 |

| TEST-NAME: | | | | | NIUT | COUT | RA226F | GACF | GACP | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 05 28 1000 | | | 3 | 1 | 0 020< | 0 020< | 1 | 5 | 1 | 6 | 2 | 10< |
| 80 10 29 1010 | | | 3 | 1 | 0 002< | | 1 | 4 | 1 | 5 | 1 | 10< |
| MAXIMUM | | | | | 0.020 | 0.020 | 1 | 5 | 1 | 6 | 2 | 10 |
| ARITH MEAN | | | | | 0.011L | 0.020L | 1 | 4 | 1 | 5 | 1 | 10L |
| GEOM MEAN | | | | | 0.006L | | 1 | 4 | 1 | 5 | 1 | 10L |
| MINIMUM | | | | | 0.002< | 0.020< | 1 | 4 | 1 | 5 | 1 | 10< |
| STD DEV | | | | | 0.013L | | 0 | 1 | 0 | 1 | 1 | 0L |
| NO OF SAMPLES | | | | | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |

B O W / SITE **MCCARTHY LAKE**
SAMPLE POINT **AT WEST END 53 1**
STATION TYPE **LAKE**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STATION ID **14-0019-039-01**
STORET CODE **02**
**002**
**8040**

LAT LONG U T M **17 0385700.0 5131475.0 4** REGION **05** DISTANCE **40.876**

| TEST-NAME: | | | | | SAMPLE | FWTEMP | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L |
| 80 05 28 1100 | | | 3 | 1 | 11737 | 17.0 | 0.010 | 0 001 | 0 160 | 0.400 | 0.004 | 0 656 | 0.820 | 0.240 |
| 80 10 29 1105 | | | 3 | 1 | 11845 | 4.0 | 0.014 | 0 001< | 0 054 | 0 300 | 0 002 | 0 233 | 0.289 | 0 246 |
| MAXIMUM | | | | | | 17.0 | 0.014 | 0.001 | 0.160 | 0.400 | 0.004 | 0.656 | 0.820 | 0.246 |
| ARITH MEAN | | | | | | 10.5 | 0.012 | 0.001L | 0.107 | 0.350 | 0.003 | 0.444 | 0.554 | 0.243 |
| GEOM MEAN | | | | | | 8.2 | 0.012 | 0.001L | 0.093 | 0.346 | 0.003 | 0.391 | 0.487 | 0.243 |
| MINIMUM | | | | | | 4.0 | 0.010 | 0.001< | 0.054 | 0.300 | 0.002 | 0.233 | 0.289 | 0.240 |
| STD DEV | | | | | | 9.2 | 0.003 | 0.000L | 0.075 | 0.071 | 0.001 | 0.299 | 0.375 | 0.004 |
| NO OF SAMPLES | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | NNKI | RST | RSF | COND25 | TURB | CLIDUR | SSO4UR | ACDT | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH |
| 80 05 28 1100 | | | 3 | 1 | 1 060 | 86 00 | 85.000 | 130 0 | 0 80 | 6 500 | 34 500 | | 8 0 | 6 98 |
| 80 10 29 1105 | | | 3 | 1 | 0 535 | | | 120 0 | 2 10 | 7 050 | 31 500 | 2 300 | 9 0 | 6 89 |
| MAXIMUM | | | | | 1.060 | 86.00 | 85.000 | 130.0 | 2.10 | 7.050 | 34.500 | 2.300 | 9.0 | 6.98 |
| ARITH MEAN | | | | | 0.797 | 86.00 | 85.000 | 125.0 | 1.45 | 6.775 | 33.000 | 2.300 | 8.5 | 6.93 |
| GEOM MEAN | | | | | 0.753 | | | 124.9 | 1.30 | 6.769 | 32.966 | | 8.5 | 6.93 |
| MINIMUM | | | | | 0.535 | 86.00 | 85.000 | 120.0 | 0.80 | 6.500 | 31.500 | 2.300 | 8.0 | 6.89 |
| STD DEV | | | | | 0.371 | | | 7.1 | 0.92 | 0.389 | 2.121 | | 0.7 | 0.06 |
| NO OF SAMPLES | | | | | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 2 |

(CONTD)

| | | | TEST-NAME: | | FEUT | MGUR | COLAP | ASUT | ALUT | CUUT | PBUT | CDUT | ZNUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | IRON UNF.TOT. MG/L AS FE | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN |
| 80 05 28 1100 | | | 3 | 1 | 0 040 | 1 650 | 14 000 | 0 001< | 0 020< | 0 010< | 0 030< | 0 005< | 0 010< | 0 080 |
| 80 10 29 1105 | | | 3 | 1 | 0 580 | 1 800 | 26 000 | 0 001< | 0 100 | 0 001< | 0 003< | | 0 004 | |
| MAXIMUM | | | | | 0.580 | 1.800 | 26.000 | 0.001 | 0.100 | 0.010 | 0.030 | 0.005 | 0.010 | 0.080 |
| ARITH MEAN | | | | | 0.310 | 1.725 | 20.000 | 0.001L | 0.060L | 0.006L | 0.016L | 0.005L | 0.007L | 0.080 |
| GEOM MEAN | | | | | 0.152 | 1.723 | 19.079 | 0.001L | 0.045L | 0.003L | 0.009L | | 0.006L | |
| MINIMUM | | | | | 0.040 | 1.650 | 14.000 | 0.001< | 0.020< | 0.001< | 0.003< | 0.005< | 0.004< | 0.080 |
| STD DEV | | | | | 0.382 | 0.106 | 8.485 | 0.000L | 0.057L | 0.006L | 0.019L | | 0.004L | |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 |

| | | | TEST-NAME: | | NIUT | COUT | RA226F | GACF | GACP | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 05 28 1100 | | | 3 | 1 | 0 020< | 0.020< | 1 | 2 | 110 | 3 | 47 | 10< |
| 80 10 29 1105 | | | 3 | 1 | 0 002< | | 1< | 2 | 1 | 4 | 1< | 10< |
| MAXIMUM | | | | | 0.020 | 0.020 | 1 | 2 | 110 | 4 | 47 | 10 |
| ARITH MEAN | | | | | 0.011L | 0.020L | 1L | 2 | 55 | 3 | 24L | 10L |
| GEOM MEAN | | | | | 0.006L | | 1L | 2 | 10 | 3 | 7L | 10L |
| MINIMUM | | | | | 0.002< | 0.020< | 1< | 2 | 1 | 3 | 1< | 10< |
| STD DEV | | | | | 0.013L | | 0L | 0 | 77 | 1 | 33L | 0L |
| NO OF SAMPLES | | | | | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |

B O W / SITE **MCCARTHY LAKE**
SAMPLE POINT **AT SOUTH END 53 3**
STATION TYPE **LAKE**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STATION ID **14-0019-040-01**
STORET CODE **02**
**002**
**0040**

LAT LONG. U T M **17 0388450.0 5129100.0 4** REGION **05** DISTANCE **38.062**

| | | | TEST-NAME: | | SAMPLE | FWTEMP | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L |
| 80 05 28 1045 | | | 3 | 1 | 11736 | 15 0 | 0 006 | 0 001 | 0 620 | 0 840 | 0.010 | 2 650 | 3.280 | 0 220 |
| 80 10 29 1050 | | | 3 | 1 | 11846 | 4 0 | 0 009 | 0 001 | 0 430 | 0 600 | 0.011 | 2.790 | 3 231 | 0 170 |
| MAXIMUM | | | | | | 15.0 | 0.009 | 0.001 | 0.620 | 0.840 | 0.011 | 2.790 | 3.280 | 0.220 |
| ARITH MEAN | | | | | | 9.5 | 0.007 | 0.001 | 0.525 | 0.720 | 0.010 | 2.720 | 3.255 | 0.195 |
| GEOM MEAN | | | | | | 7.7 | 0.007 | 0.001 | 0.516 | 0.710 | 0.010 | 2.719 | 3.255 | 0.193 |
| MINIMUM | | | | | | 4.0 | 0.006 | 0.001 | 0.430 | 0.600 | 0.010 | 2.650 | 3.231 | 0.170 |
| STD DEV | | | | | | 7.8 | 0.002 | 0.000 | 0.134 | 0.170 | 0.001 | 0.099 | 0.035 | 0.035 |
| NO OF SAMPLES | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| | | | TEST-NAME: | | NNKI | RST | RSF | COND25 | TURB | CLIDUR | SSO4UR | ACDT | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH |
| 80 05 28 1045 | | | 3 | 1 | 3 500 | 125.00 | 124 000 | 190.0 | 0.80 | 3 950 | 64 000 | | 5 0 | 6 90 |
| 80 10 29 1050 | | | 3 | 1 | 3 401 | | | 200 0 | 0 55 | 4 500 | 64 000 | 2 400 | 6 0 | 6.25 |
| MAXIMUM | | | | | 3.500 | 125.00 | 124.000 | 200.0 | 0.80 | 4.500 | 64.000 | 2.400 | 6.0 | 6.90 |
| ARITH MEAN | | | | | 3.450 | 125.00 | 124.000 | 195.0 | 0.67 | 4.225 | 64.000 | 2.400 | 5.5 | 6.57 |
| GEOM MEAN | | | | | 3.450 | | | 194.9 | 0.66 | 4.216 | 64.000 | | 5.5 | 6.57 |
| MINIMUM | | | | | 3.401 | 125.00 | 124.000 | 190.0 | 0.55 | 3.950 | 64.000 | 2.400 | 5.0 | 6.25 |
| STD DEV | | | | | 0.070 | | | 7.1 | 0.18 | 0.389 | 0.000 | | 0.7 | 0.46 |
| NO OF SAMPLES | | | | | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 2 |

| | | | TEST-NAME: | | FEUT | MGUR | COLAP | ASUT | ALUT | CUUT | PBUT | CDUT | ZNUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | IRON UNF.TOT. MG/L AS FE | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN |
| 80 05 28 1045 | | | 3 | 1 | 0 040 | 1.600 | 11 000 | 0 001< | 0 190 | 0 010< | 0.030< | 0.005< | 0 010< | 0.192 |
| 80 10 29 1050 | | | 3 | 1 | 0 040 | 2 450 | 4 000 | 0 001< | 0.089 | 0 002 | 0 003< | | 0 012 | |
| MAXIMUM | | | | | 0.040 | 2.450 | 11.000 | 0.001 | 0.190 | 0.010 | 0.030 | 0.005 | 0.012 | 0.192 |
| ARITH MEAN | | | | | 0.040 | 2.025 | 7.500 | 0.001L | 0.139 | 0.006L | 0.016L | 0.005L | 0.011L | 0.192 |
| GEOM MEAN | | | | | 0.040 | 1.980 | 6.633 | 0.001L | 0.130 | 0.004L | 0.009L | | 0.011L | |
| MINIMUM | | | | | 0.040 | 1.600 | 4.000 | 0.001< | 0.089 | 0.002< | 0.003< | 0.005< | 0.010< | 0.192 |
| STD DEV | | | | | 0.000 | 0.601 | 4.950 | 0.000L | 0.071 | 0.006L | 0.019L | | 0.001L | |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 |

| | | | TEST-NAME: | | NIUT | COUT | RA226F | GACF | GACP | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 05 28 1045 | | | 3 | 1 | 0 020< | 0 020< | 2 | 6 | 2 | 9 | 2 | 10< |
| 80 10 29 1050 | | | 3 | 1 | 0 004 | | 2 | 9 | 1 | 9 | 1 | 10< |
| MAXIMUM | | | | | 0.020 | 0.020 | 2 | 9 | 2 | 9 | 2 | 10 |
| ARITH MEAN | | | | | 0.012L | 0.020L | 2 | 7 | 1 | 9 | 1 | 10L |
| GEOM MEAN | | | | | 0.009L | | 2 | 7 | 1 | 9 | 1 | 10L |
| MINIMUM | | | | | 0.004< | 0.020< | 2 | 6 | 1 | 9 | 1 | 10< |
| STD DEV | | | | | 0.011L | | 0 | 2 | 1 | 0 | 1 | 0L |
| NO OF SAMPLES | | | | | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |

B O W / SITE **HOUGH LAKE**
SAMPLE POINT **CENTRE OF LAKE**
STATION TYPE **LAKE**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STATION ID **14-0019-041-01**
STORET CODE **02**
**002**
**8040**

LAT LONG U T M **17 0385300.0 5140350.0 4** REGION **05** DISTANCE **58.808**

| TEST-NAME: | | | | | SAMPLE | FWTEMP | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | PHOSPHOR UNF.TOT MG/L AS P | PO4 FIL REAC MG/L AS P | NH3-N TOTAL FIL REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL REAC MG/L | KJELDAHL ORGANIC UNF REAC MG/L |
| 80 05 28 1115 | | | 3 | 1 | 11738 | 15.0 | 0 002 | 0 001 | 0 190 | 0 270 | 0 002 | 0 173 | 0 365 | 0 080 |
| 80 10 29 1130 | | | 3 | 1 | 11834 | 5 0 | 0 008 | 0 001< | 0 196 | 0 240 | 0 001 | 0.204 | 0 401 | 0 044 |
| MAXIMUM | | | | | | 15.0 | 0.008 | 0.001 | 0.196 | 0.270 | 0.002 | 0.204 | 0.401 | 0.080 |
| ARITH MEAN | | | | | | 10.0 | 0.005 | 0.001L | 0.193 | 0.255 | 0.001 | 0.188 | 0.383 | 0.062 |
| GEOM MEAN | | | | | | 8.7 | 0.004 | 0.001L | 0.193 | 0.255 | 0.001 | 0.188 | 0.383 | 0.059 |
| MINIMUM | | | | | | 5.0 | 0.002 | 0.001< | 0.190 | 0.240 | 0.001 | 0.173 | 0.365 | 0.044 |
| STD DEV | | | | | | 7.1 | 0.004 | 0.000L | 0.004 | 0.021 | 0.001 | 0.022 | 0.025 | 0.025 |
| NO OF SAMPLES | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | NNKI | RST | RSF | COND25 | TURB | CLIDUR | SSO4UR | ACDT | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH |
| 80 05 28 1115 | | | 3 | 1 | 0 445 | 112.00 | 111 000 | 170 0 | 0 70 | 2 050 | 64 000 | | 4.0 | 5.45 |
| 80 10 29 1130 | | | 3 | 1 | 0 445 | | | 175 0 | 0 45 | 3 050 | 65.500 | 4.080 | 5.0 | 5.25 |
| MAXIMUM | | | | | 0.445 | 112.00 | 111.000 | 175.0 | 0.70 | 3.050 | 65.500 | 4.080 | 5.0 | 5.45 |
| ARITH MEAN | | | | | 0.445 | 112.00 | 111.000 | 172.5 | 0.57 | 2.550 | 64.750 | 4.080 | 4.5 | 5.35 |
| GEOM MEAN | | | | | 0.445 | | | 172.5 | 0.56 | 2.500 | 64.746 | | 4.5 | 5.35 |
| MINIMUM | | | | | 0.445 | 112.00 | 111.000 | 170.0 | 0.45 | 2.050 | 64.000 | 4.080 | 4.0 | 5.25 |
| STD DEV | | | | | 0.000 | | | 3.5 | 0.18 | 0.707 | 1.061 | | 0.7 | 0.14 |
| NO OF SAMPLES | | | | | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 2 |

| TEST-NAME: | | | | | FEUT | MGUR | COLAP | ASUT | ALUT | CUUT | PBUT | CDUT | ZNUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | IRON UNF.TOT. MG/L AS FE | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN |
| 80 05 28 1115 | | | 3 | 1 | 0 110 | 1 500 | 0 100 | 0 001< | 0 320 | 0 010< | 0 030< | 0 005< | 0 020 | 0.198 |
| 80 10 29 1130 | | | 3 | 1 | 0 060 | 1 950 | 4 000 | 0 001< | 0 300 | 0 002 | 0 003< | | 0.027 | |
| MAXIMUM | | | | | 0.110 | 1.950 | 4.000 | 0.001 | 0.320 | 0.010 | 0.030 | 0.005 | 0.027 | 0.198 |
| ARITH MEAN | | | | | 0.085 | 1.725 | 2.050 | 0.001L | 0.310 | 0.006L | 0.016L | 0.005L | 0.023 | 0.198 |
| GEOM MEAN | | | | | 0.081 | 1.710 | 0.632 | 0.001L | 0.310 | 0.004L | 0.009L | | 0.023 | |
| MINIMUM | | | | | 0.060 | 1.500 | 0.100 | 0.001< | 0.300 | 0.002< | 0.003< | 0.005< | 0.020 | 0.198 |
| STD DEV | | | | | 0.035 | 0.318 | 2.758 | 0.000L | 0.014 | 0.006L | 0.019L | | 0.005 | |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 |

| TEST-NAME: | | | | | NIUT | COUT | RA226F | GACF | GACP | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PC /L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 05 28 1115 | | | 3 | 1 | 0 020< | 0 020< | 5 | 14 | 1< | 15 | 1< | 10< |
| 80 10 29 1130 | | | 3 | 1 | 0 008 | | 6 | 20 | 3 | 16 | 1 | 10< |
| MAXIMUM | | | | | 0.020 | 0.020 | 6 | 20 | 3 | 16 | 1 | 10 |
| ARITH MEAN | | | | | 0.014L | 0.020L | 5 | 17 | 2L | 15 | 1L | 10L |
| GEOM MEAN | | | | | 0.013L | | 5 | 17 | 2L | 15 | 1L | 10L |
| MINIMUM | | | | | 0.008< | 0.020< | 5 | 14 | 1< | 15 | 1< | 10< |
| STD DEV | | | | | 0.008L | | 1 | 4 | 1L | 1 | 0L | 0L |
| NO OF SAMPLES | | | | | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |

B O W / SITE **NORTH NORDIC LAKE**
SAMPLE POINT **AT EFFLUENT CANAL N 19**
STATION TYPE **LAKE**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STATION ID **14-0019-043-01**
STORET CODE **02**
**002**
**8040**

LAT LONG U T M **17 0377700.0 5137100.0 4** REGION **05** DISTANCE **72.007**

| TEST-NAME: | | | | | SAMPLE | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 02 20 1015 | | | 3 | 1 | 12006 | 0 004 | 0.001 | 3 950 | 8 350 | 2.500 | 5.600 | 12.050 | 4.400 | 16 450 |
| 80 03 29 0815 | | | 3 | 1 | 12030 | 0 004 | 0.001< | 5 000 | 10 200 | 0.190 | 2.810 | 8 000 | 5.200 | 13.200 |
| 80 05 26 1800 | | | 3 | 1 | 12069 | 0 004 | 0 001 | 7 90 | 7 990 | 0 730 | 4 870 | 13 500 | 0 090 | 13 590 |
| 80 06 22 0830 | | | 3 | 1 | 12097 | 0 004 | 0.001 | 8 250 | 17 600 | 0 330 | 5.170 | 13.750 | 9.350 | 23.100 |
| 80 07 25 1600 | | | 3 | 1 | 12120 | 0 003 | 0.002 | 13 100 | | 2 900 | 5 100 | 21.100 | | |
| 80 08 27 1700 | | | 3 | 1 | 12143 | 0 005 | 0.001 | 8 2 | 8 70 | 0.210 | 5 5 | 13 910 | 0.500 | 14.410 |
| 80 09 25 1700 | | | 3 | 1 | 12166 | 0 005 | 0 001< | 9 300 | 9 300 | 0 360 | 6.040 | 15 700 | 0 000 | 15 700 |
| 80 10 25 1700 | | | 3 | 1 | 12189 | 0 001 | 0.001 | 9 400 | 10 700 | 0 440 | 5 600 | 15.440 | 1 300 | 16.740 |
| MAXIMUM | | | | | | 0.005 | 0.002 | 13.100 | 17.600 | 2.900 | 6.040 | 21.100 | 9.350 | 23.100 |
| ARITH MEAN | | | | | | 0.004 | 0.001L | 8.1 | 10.40 | 0.957 | 5.0 | 14.181 | 2.977 | 16.170 |
| GEOM MEAN | | | | | | 0.003 | 0.001L | 7.6 | 10.05 | 0.569 | 4.9 | 13.744 | 1.435 | 15.911 |
| MINIMUM | | | | | | 0.001 | 0.001< | 3.950 | 7.990 | 0.190 | 2.810 | 8.000 | 0.000 | 13.200 |
| STD DEV | | | | | | 0.001 | 0.000L | 2.8 | 3.31 | 1.094 | 0.9 | 3.688 | 3.505 | 3.347 |
| NO OF SAMPLES | | | | | | 8 | 8 | 8 | 7 | 8 | 8 | 8 | 7 | 7 |

(CONTD)

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FEUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | IRON UNF TOT MG/L AS FE | COPPER UNF TOT MG/L AS CU |
| 80 02 20 1015 | | | 3 | 1 | 1767.0 | 1.0 | 1766.0 | 1850.0 | 0.60 | 21.500 | 1013.000 | 7.04 | 0.040 | |
| 80 03 29 0815 | | | 3 | 1 | 1635.0 | 2.0 | 1633.0 | 1800.0 | 0.90 | 21.000 | | 8.81 | 0.100 | 0.010< |
| 80 05 26 1800 | | | 3 | 1 | 1666.0 | 1.0 | 1665.0 | 1800.0 | 1.80 | 20.000 | 1020.0 | 7.71 | 0.270 | 0.010< |
| 80 06 22 0830 | | | 3 | 1 | 1730.0 | 2.0 | 1728.0 | 1850.0 | 2.20 | 20.500 | 1040.000 | 7.48 | 0.370 | 0.01 < |
| 80 07 25 1600 | | | 3 | 1 | 1791.0 | 2.0 | 1789.0 | 1900.0 | 0.75 | 21.500 | 1130.000 | 5.06 | 0.180 | 0.001 |
| 80 08 27 1700 | | | 3 | 1 | 1712 | 2 | 1710 | 1900 | 0.80 | 22.5 | 1140 | 7.93 | 0.13 | 0.003 |
| 80 09 25 1700 | | | 3 | 1 | 1767.0 | 4.0 | 1763.0 | 2000.0 | 1.40 | | | | 0.280 | 0.004 |
| 80 10 25 1700 | | | 3 | 1 | 1792.0 | 4.0 | 1788.0 | 2000.0 | 2.80 | 23.000 | 1130.000 | 8.48 | 0.050 | 0.013 |
| MAXIMUM | | | | | 1792.0 | 4.0 | 1789.0 | 2000.0 | 2.80 | 23.000 | 1140 | 8.81 | 0.370 | 0.013 |
| ARITH MEAN | | | | | 1732 | 2 | 1730 | 1887 | 1.41 | 21.4 | 1078 | 7.50 | 0.17 | 0.00 L |
| GEOM MEAN | | | | | 1731 | 2 | 1729 | 1886 | 1.22 | 21.4 | 1077 | 7.40 | 0.13 | 0.00 L |
| MINIMUM | | | | | 1635.0 | 1.0 | 1633.0 | 1800.0 | 0.60 | 20.000 | 1013.000 | 5.06 | 0.040 | 0.001< |
| STD DEV | | | | | 58 | 1 | 57 | 79 | 0.80 | 1.0 | 60 | 1.23 | 0.11 | 0.00 L |
| NO OF SAMPLES | | | | | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 7 | 8 | 7 |

| TEST-NAME: | | | | | PBUT | CDUT | ZNUT | COUT | RA226F | GACF | GACP | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 02 20 1015 | | | 3 | 1 | | | | | 1< | 28 | 1< | 15 | 23 | |
| 80 03 29 0815 | | | 3 | 1 | 0.030< | 0.005 < | 0.010< | 0.020< | | | | | | |
| 80 05 26 1800 | | | 3 | 1 | 0.030< | 0.005 < | 0.020 | 0.020< | 10< | 26 | 1 | 24 | 2 | 15 |
| 80 06 22 0830 | | | 3 | 1 | 0.03 < | 0.005 < | 0.01 < | 0.02 < | 1 | 5 | 1< | 20 | 1< | 10< |
| 80 07 25 1600 | | | 3 | 1 | 0.014 | 0.0007 | 0.001< | 0.002< | 1 | 28 | 1 | 28 | 1 | 15 |
| 80 08 27 1700 | | | 3 | 1 | 0.003< | 0.0004 | 0.002 | 0.002< | 1< | 22 | 1 | 24 | 1 | 12 |
| 80 09 25 1700 | | | 3 | 1 | 0.003 | 0.0002< | 0.004 | 0.002< | 1 | 18 | 1 | 30 | 1 | 10< |
| 80 10 25 1700 | | | 3 | 1 | 0.004 | 0.0002< | 0.017 | 0.002< | 1 | 32 | 1 | 29 | 1 | 15 |
| MAXIMUM | | | | | 0.03 | 0.005 | 0.020 | 0.02 | 10 | 32 | 1 | 30 | 23 | 15 |
| ARITH MEAN | | | | | 0.01 L | 0.002 L | 0.00 L | 0.01 L | 2L | 23 | 1L | 24 | 4L | 13L |
| GEOM MEAN | | | | | 0.01 L | 0.001 L | 0.00 L | 0.00 L | 1L | 20 | 1L | 24 | 2L | 13L |
| MINIMUM | | | | | 0.003< | 0.0002< | 0.001< | 0.002< | 1< | 5 | 1< | 15 | 1< | 10< |
| STD DEV | | | | | 0.01 L | 0.002 L | 0.00 L | 0.01 L | 3L | 9 | 0L | 5 | 8L | 2L |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 |

B.O.W./ SITE **WESTNER LAKE**
SAMPLE POINT **AT SKI CLUB ROAD N 15**
STATION TYPE **LAKE**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STATION ID: **14-0019-044-01**
STORET CODE **02**
**002**
**8040**

LAT: LONG U T M **17 0374975.0 5137700.0 4** REGION: **05** DISTANCE: **75.790**

| TEST-NAME: | | | | | SAMPLE | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | PHOSPHOR UNF TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 02 20 1100 | | | 3 | 1 | 12008 | 0.004 | 0.001< | 0.500 | 0.700 | 0.001 | 0.274 | 0.775 | 0.200 | 0.975 |
| 80 03 29 0900 | | | 3 | 1 | 12032 | 0.170 | 0.001< | 0.610 | 1.180 | 0.004 | 0.286 | 0.900 | 0.570 | 1.470 |
| 80 05 26 1900 | | | 3 | 1 | 12071 | 0.003 | 0.001 | 0.090 | 0.16 | 0.004 | 0.236 | 0.330 | 0.070 | 0.400 |
| 80 06 22 1300 | | | 3 | 1 | 12099 | 0.005 | 0.001< | 0.156 | 0.300 | 0.005 | 2.590 | 2.751 | 0.144 | 2.895 |
| 80 07 24 1900 | | | 3 | 1 | 12122 | 0.015 | 0.001 | 0.272 | 0.680 | 0.004 | 0.101 | 0.377 | 0.408 | 0.785 |
| 80 08 27 1600 | | | 3 | 1 | 12145 | 0.010 | 0.001< | 0.096 | 0.50 | 0.003 | 0.047 | 0.146 | 0.404 | 0.550 |
| 80 09 25 1600 | | | 3 | 1 | 12168 | 0.008 | 0.003 | 0.198 | 0.430 | 0.005 | 0.165 | 0.368 | 0.232 | 0.600 |
| 80 10 25 1600 | | | 3 | 1 | 12191 | 0.001 | 0.001< | 0.440 | 0.580 | 0.001 | 0.209 | 0.650 | 0.140 | 0.790 |
| MAXIMUM | | | | | | 0.170 | 0.003 | 0.610 | 1.180 | 0.005 | 2.590 | 2.751 | 0.570 | 2.895 |
| ARITH MEAN | | | | | | 0.027 | 0.001L | 0.295 | 0.56 | 0.003 | 0.488 | 0.787 | 0.271 | 1.058 |
| GEOM MEAN | | | | | | 0.008 | 0.001L | 0.236 | 0.49 | 0.003 | 0.230 | 0.550 | 0.223 | 0.874 |
| MINIMUM | | | | | | 0.001 | 0.001< | 0.090 | 0.16 | 0.001 | 0.047 | 0.146 | 0.070 | 0.400 |
| STD DEV | | | | | | 0.058 | 0.001L | 0.198 | 0.30 | 0.002 | 0.853 | 0.833 | 0.172 | 0.810 |
| NO OF SAMPLES | | | | | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | CUUT | PBUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB |
| 80 02 20 1100 | | | 3 | 1 | 257.0 | 10.0 | 247.000 | 380.0 | 11.00 | 54.000 | 5.500 | 5.50 | 0.010< | 0.030< |
| 80 03 29 0900 | | | 3 | 1 | 476.0 | 190.0 | 286.000 | 440.0 | 63.00 | 760.000 | 65.000 | 5.30 | 0.020 | 0.030< |
| 80 05 26 1900 | | | 3 | 1 | 261 | 1 | 260 | 400 | 0.85 | 50.5 | 90.0 | 4.82 | 0.010< | 0.030< |
| 80 06 22 1300 | | | 3 | 1 | 288.0 | 2.0 | 286.000 | 440.0 | 1.60 | 73.000 | 780.000 | 5.96 | 0.01 < | 0.03 < |
| 80 07 24 1900 | | | 3 | 1 | 299.0 | 7.0 | 292.0 | 455.0 | 7.70 | 88.000 | 67.500 | 6.13 | 0.001< | 0.003< |
| 80 08 27 1600 | | | 3 | 1 | 298 | 2 | 296 | 465 | 1.9 | 105 | 42.0 | 6.98 | 0.004 | 0.003< |
| 80 09 25 1600 | | | 3 | 1 | 255.0 | 3.0 | 252.0 | 430.0 | 1.60 | 74.500 | 72.500 | 7.00 | 0.001< | 0.003< |
| 80 10 25 1600 | | | 3 | 1 | 259.0 | 5.0 | 254.000 | 390.0 | 2.20 | 40.000 | 103.000 | 4.90 | 0.060 | 0.003< |
| MAXIMUM | | | | | 476.0 | 190.0 | 296 | 465 | 63.00 | 760.000 | 780.000 | 7.00 | 0.060 | 0.03 |
| ARITH MEAN | | | | | 299 | 27 | 271 | 425 | 11.2 | 156 | 153.1 | 5.82 | 0.01 L | 0.01 L |
| GEOM MEAN | | | | | 292 | 5 | 270 | 424 | 3.8 | 89 | 69.2 | 5.77 | 0.00 L | 0.00 L |
| MINIMUM | | | | | 255.0 | 1 | 247.000 | 380.0 | 0.85 | 40.000 | 5.500 | 4.82 | 0.001< | 0.003< |
| STD DEV | | | | | 73 | 65 | 20 | 31 | 21.2 | 245 | 255.0 | 0.85 | 0.01 L | 0.01 L |
| NO OF SAMPLES | | | | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |

B O W / SITE **WESTNER LAKE**
SAMPLE POINT **AT SKI CLUB ROAD N 15**
STATION TYPE **LAKE**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STATION ID: **14-0019-044-01**
STORET CODE **02**
**002**
**8040**

LAT: LONG: U T M: **17 0374975.0 5137700.0 4** REGION: **05** DISTANCE: **75.790**

| TEST-NAME: | | | | | CDUT | ZNUT | COUT | RA226F | GACF | GACP | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 02 20 1100 | | | .3 | 1 | 0.005 < | 0.030 | 0.040 | 1 | 7 | 3 | 8 | 2 | 10< |
| 80 03 29 0900 | | | .3 | 1 | 0.005 < | 0.040 | 0.060 | | | | | | |
| 80 05 26 1900 | | | .3 | 1 | 0.005 < | 0.050 | 0.020< | 2 | 14 | 1 | 13 | 1< | 10< |
| 80 06 22 1300 | | | .3 | 1 | 0.005 < | 0.01 < | 0.02 < | 2 | 64 | 1< | 45 | 1< | 10< |
| 80 07 24 1900 | | | .3 | 1 | 0.0003 | 0.004 | 0.002< | 1< | 2 | 1 | 6 | 1 | 10< |
| 80 08 27 1600 | | | .3 | 1 | 0.0002< | 0.010 | 0.002< | 1< | 2 | 1 | 5 | 1 | 10< |
| 80 09 25 1600 | | | .3 | 1 | 0.0002< | 0.003 | 0.002< | 1 | 2 | 1 | 6 | 1< | 10< |
| 80 10 25 1600 | | | .3 | 1 | 0.0002< | 0.079 | 0.029 | 3 | 19 | 2 | 14 | 1 | 10< |
| MAXIMUM | | | | | **0.005** | **0.079** | **0.060** | **3** | **64** | **3** | **46** | **2** | **10** |
| ARITH MEAN | | | | | **0.002 L** | **0.02 L** | **0.02 L** | **2L** | **16** | **1L** | **14** | **1L** | **10L** |
| GEOM MEAN | | | | | **0.001 L** | **0.01 L** | **0.01 L** | **1L** | **7** | **1L** | **10** | **1L** | **10L** |
| MINIMUM | | | | | **0.0002<** | **0.003<** | **0.002<** | **1<** | **2** | **1<** | **5** | **1<** | **10<** |
| STD DEV | | | | | **0.002 L** | **0.02 L** | **0.02 L** | **1L** | **22** | **1L** | **14** | **0L** | **0L** |
| NO OF SAMPLES | | | | | **8** | **8** | **8** | **7** | **7** | **7** | **7** | **7** | **7** |

B O W / SITE **SERPENT RIVER**
SAMPLE POINT **AT QUIRKE LAKE OUTLET 26 1**
STATION TYPE **RIVER FLOW GAUGE FED 02CD003**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STATION ID: **14-0019-049-02**
STORET CODE **02**
**002**
**8040**

LAT: LONG: U T M: **17 0385725.0 5149050.0 4** REGION: **05** DISTANCE: **77.890**

| TEST-NAME: | | | | | SAMPLE | FWFLOW | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM FLOW M3 /S | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L |
| 80 02 21 1700 | | | .3 | 1 | 12021 | 3.480 | 0.004 | 0.001< | 0.730 | 1.150 | 0.031 | 1.970 | 2.731 | 0.420 |
| 80 03 30 1100 | | | .3 | 1 | 12045 | 2.540 | 0.015 | 0.001 | 0.570 | 0.900 | 0.008 | 1.000 | 1.578 | 0.330 |
| 80 05 29 1430 | | | .3 | 1 | 12084 | 5.350 | 0.008 | 0.001 | 2.60 | 2.67 | 0.049 | 7.20 | 9.849 | 0.070 |
| 80 06 23 1830 | | | .3 | 1 | 12111 | 3.280 | 0.006 | 0.001< | 2.650 | 2.950 | 0.072 | 7.030 | 9.752 | 0.300 |
| 80 07 23 1500 | | | .3 | 1 | 12134 | 1.890 | 0.001< | 0.001< | 2.950 | 3.200 | 0.078 | 8.170 | 11.198 | 0.250 |
| 80 08 29 1500 | | | .3 | 1 | 12157 | 1.600 | 0.003 | 0.001< | 3.18 | 3.30 | 0.064 | 0.841 | 4.085 | 0.120 |
| 80 09 28 1500 | | | .3 | 1 | 12180 | 1.190 | 0.028 | 0.004 | 0.264 | 0.740 | 0.023 | 0.407 | 0.694 | 0.476 |
| 80 10 28 1500 | | | .3 | 1 | 12203 | 2.030 | 0.001 | 0.001< | 2.750 | 3.200 | 0.037 | 8.000 | 10.787 | 0.450 |
| MAXIMUM | | | | | | **5.350** | **0.028** | **0.004** | **3.18** | **3.30** | **0.078** | **8.170** | **11.198** | **0.478** |
| ARITH MEAN | | | | | | **2.670** | **0.008L** | **0.001L** | **1.96** | **2.26** | **0.045** | **4.32** | **6.334** | **0.302** |
| GEOM MEAN | | | | | | **2.409** | **0.005L** | **0.001L** | **1.45** | **1.94** | **0.037** | **2.62** | **4.405** | **0.256** |
| MINIMUM | | | | | | **1.190** | **0.001<** | **0.001<** | **0.264** | **0.740** | **0.008** | **0.407** | **0.694** | **0.070** |
| STD DEV | | | | | | **1.341** | **0.009L** | **0.001L** | **1.21** | **1.12** | **0.026** | **3.54** | **4.472** | **0.150** |
| NO OF SAMPLES | | | | | | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** |

| TEST-NAME: | | | | | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | ALUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | ALUMINUM UNF.TOT. MG/L AS AL |
| 80 02 21 1700 | | | .3 | 1 | 3.151 | 88.0 | 0.8 | 87.000 | 134.0 | 0.75 | 2.300 | 39.000 | 6.84 | |
| 80 03 30 1100 | | | .3 | 1 | 1.908 | 52.0 | 4.0 | 48.000 | 74.0 | 1.80 | 2.250 | 16.000 | | 0.140 |
| 80 05 29 1430 | | | .3 | 1 | 9.919 | 255 | 5 | 250 | 385 | 2.0 | 6.80 | 131 | 6.26 | 0.260 |
| 80 06 23 1830 | | | .3 | 1 | 10.052 | 398.00 | 2.00 | 396.00 | 500.0 | 1.10 | 9.350 | 203.000 | 6.37 | 0.23 |
| 80 07 23 1500 | | | .3 | 1 | 11.448 | 312.0 | 1.0 | 311.0 | 450.0 | 0.50 | 8.600 | 161.000 | 6.89 | |
| 80 08 29 1500 | | | .3 | 1 | 4.205 | 310 | 6 | 309 | 465 | 0.40 | 8.85 | 170 | 6.75 | 0.120 |
| 80 09 28 1500 | | | .3 | 1 | 1.170 | 116.0 | 5.0 | 111.000 | 170.0 | 1.70 | 10.500 | 39.000 | 7.12 | 0.240 |
| 80 10 28 1500 | | | .3 | 1 | 11.237 | 273.0 | 3.0 | 270.0 | 430.0 | 0.42 | 8.250 | 143.000 | 6.55 | 0.220 |
| MAXIMUM | | | | | **11.448** | **398.00** | **6** | **396.00** | **500.0** | **2.0** | **10.500** | **203.000** | **7.12** | **0.260** |
| ARITH MEAN | | | | | **6.636** | **225** | **3** | **222** | **326** | **1.0** | **7.11** | **112** | **6.68** | **0.20** |
| GEOM MEAN | | | | | **4.982** | **185** | **2** | **181** | **271** | **0.9** | **6.19** | **84** | **6.68** | **0.19** |
| MINIMUM | | | | | **1.170** | **52.0** | **0.8** | **48.000** | **74.0** | **0.40** | **2.250** | **16.000** | **6.26** | **0.120** |
| STD DEV | | | | | **4.425** | **124** | **1** | **125** | **170** | **0.6** | **3.16** | **70** | **0.30** | **0.05** |
| NO OF SAMPLES | | | | | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **7** | **6** |

| TEST-NAME: | | | | | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT | RA226F | GACF | GACP | GBCF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L |
| 80 02 21 1700 | | | .3 | 1 | | | | | | | 1< | 4 | 1< | 6 |
| 80 03 30 1100 | | | .3 | 1 | 0.010< | 0.030< | 0.005 < | 0.020 | 0.020< | 0.020< | | | | |
| 80 05 29 1430 | | | .3 | 1 | 0.010< | 0.030< | 0.005 < | 0.020 | 0.020< | 0.020< | 3 | 36 | 7 | 13 |
| 80 06 23 1830 | | | .3 | 1 | 0.02 | 0.03 < | 0.005 < | 0.01 < | 0.03 | 0.02 < | 3 | 19 | 5 | 21 |
| 80 07 23 1500 | | | .3 | 1 | 0.001< | 0.003 | 0.0002< | 0.012 | | 0.002< | 1< | 33 | 3 | 21 |
| 80 08 29 1500 | | | .3 | 1 | 0.003 | 0.003< | 0.0002< | 0.013 | 0.005 | 0.003 | | | | |
| 80 09 28 1500 | | | .3 | 1 | 0.008 | 0.003< | 0.0002< | 0.016 | 0.005 | 0.005 | 3 | 34 | 4 | 32 |
| 80 10 28 1500 | | | .3 | 1 | 0.003 | 0.004 | 0.0003 | 0.016 | 0.005 | 0.005 | 3 | 18 | 7 | 20 |
| MAXIMUM | | | | | **0.02** | **0.03** | **0.005** | **0.020** | **0.03** | **0.02** | **3** | **36** | **7** | **32** |
| ARITH MEAN | | | | | **0.00 L** | **0.01 L** | **0.002 L** | **0.01 L** | **0.01 L** | **0.01 L** | **2L** | **24** | **4L** | **19** |
| GEOM MEAN | | | | | **0.00 L** | **0.00 L** | **0.000 L** | **0.01 L** | **0.01 L** | **0.00 L** | **2L** | **20** | **4L** | **17** |
| MINIMUM | | | | | **0.001<** | **0.003<** | **0.0002<** | **0.01 <** | **0.005<** | **0.002<** | **1<** | **4** | **1<** | **6** |
| STD DEV | | | | | **0.00 L** | **0.01 L** | **0.002 L** | **0.00 L** | **0.01 L** | **0.00 L** | **1L** | **13** | **2L** | **9** |
| NO OF SAMPLES | | | | | **7** | **7** | **7** | **7** | **6** | **7** | **6** | **6** | **6** | **6** |

| TEST-NAME: | | | | GBCP | UU238 |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 02 21 1700 | | .3 | 1 | 1< | 10< |
| 80 05 29 1430 | | .3 | 1 | 9 | 16 |
| 80 06 23 1830 | | .3 | 1 | 5 | 10< |
| 80 07 23 1500 | | .3 | 1 | 3 | 11 |
| 80 09 28 1500 | | .3 | 1 | 3 | 10< |
| 80 10 28 1500 | | .3 | 1 | 6 | 10< |
| MAXIMUM | | | | 9 | 16 |
| ARITH MEAN | | | | 4L | 11L |
| GEOM MEAN | | | | 4L | 11L |
| MINIMUM | | | | 1< | 10< |
| STD DEV | | | | 3L | 2L |
| NO OF SAMPLES | | | | 6 | 6 |

B.O.W./ SITE: **QUIRKE MINE TAILINGS**
SAMPLE POINT: **TREATED QUIRKE TAILINGS EFFLUENT**
STATION TYPE: **LAKE**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SERPENT RIVER**

STATION ID: **14-0019-051-01**
STORET CODE: **02**
**002**
**8040**

LAT: LONG: U T M: **17 0373100.0 5151650.0 4** REGION: **05** DISTANCE: **88.790**

| TEST-NAME: | | | | SAMPLE | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 02 20 1630 | | .3 | 1 | 12016 | 0.011 | 0.001 | 36.000 | 38.000 | 6.600 | 81.400 | 124.000 | 2.000 | 126.000 |
| 80 03 29 1400 | | .3 | 1 | 12040 | 0.008 | 0.001 | 42.500 | 59.000 | 3.380 | 89.100 | 134.980 | 16.500 | 151.480 |
| 80 05 22 1100 | | .3 | 1 | 12079 | 0.014 | 0.001 | 43.000 | 48.000 | 5.100 | 82.900 | 131.000 | 5.000 | 136.000 |
| 80 06 23 1530 | | .3 | 1 | 12106 | 0.012 | 0.002 | 41.700 | 42.500 | 4.800 | 81.200 | 127.700 | 0.800 | 128.500 |
| 80 07 23 1800 | | .3 | 1 | 12129 | 0.005 | 0.001< | 42.600 | 45.500 | 6.500 | 89.500 | 138.600 | 2.900 | 141.500 |
| 80 08 28 1830 | | .3 | 1 | 12152 | 0.020 | 0.001 | 38 | 41.5 | 6.25 | 3.15 | 47.400 | 3.500 | 50.900 |
| 80 09 24 1830 | | .3 | 1 | 12175 | 0.010 | 0.001< | 3.220 | 3.330 | 0.700 | 8.300 | 12.220 | 0.110 | 12.330 |
| 80 10 24 1830 | | .3 | 1 | 12198 | 0.008 | 0.001< | 48.000 | 52.100 | 5.300 | 100.000 | 153.300 | 4.100 | 157.400 |
| MAXIMUM | | | | | 0.020 | 0.002 | 48.000 | 59.000 | 6.600 | 100.000 | 153.300 | 16.500 | 157.400 |
| ARITH MEAN | | | | | 0.011 | 0.001L | 36 | 41.2 | 4.82 | 66.94 | 108.650 | 4.364 | 113.014 |
| GEOM MEAN | | | | | 0.010 | 0.001L | 30 | 33.2 | 4.11 | 42.87 | 87.531 | 2.227 | 90.903 |
| MINIMUM | | | | | 0.005 | 0.001< | 3.220 | 3.330 | 0.700 | 3.15 | 12.220 | 0.110 | 12.330 |
| STD DEV | | | | | 0.005 | 0.000L | 14 | 16.6 | 1.97 | 38.29 | 50.331 | 5.169 | 52.383 |
| NO OF SAMPLES | | | | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |

| TEST-NAME: | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FEUT | ALUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | IRON UNF.TOT MG/L AS FE | ALUMINUM UNF.TOT. MG/L AS AL |
| 80 02 20 1630 | | .3 | 1 | 2961.0 | 10.0 | 2951.0 | 2900.0 | 9.50 | 20.500 | 1333.000 | 8.86 | 1.600 | 1.900 |
| 80 03 29 1400 | | .3 | 1 | 2149.0 | 10.0 | 2139.0 | 2850.0 | 8.50 | 20.500 | | 9.61 | 1.200 | 4.200 |
| 80 05 22 1100 | | .3 | 1 | 2819.0 | 16.0 | 2803.0 | 3000.0 | 5.80 | 20.000 | 1520.000 | 8.51 | 0.660 | 4.000 |
| 80 06 23 1530 | | .3 | 1 | 3152.0 | 5.0 | 3147.0 | 3150.0 | 6.70 | 19.500 | 1825.000 | 7.52 | 0.440 | 0.71 |
| 80 07 23 1800 | | .3 | 1 | 2983.0 | 8.0 | 2975.0 | 3250.0 | 7.20 | 20.500 | 1500.000 | 7.90 | 0.430 | 2.2 |
| 80 08 28 1830 | | .3 | 1 | 2894 | 1 | 2893 | 3250 | 4.8 | 22.0 | 1560 | 8.47 | 0.55 | 1.600 |
| 80 09 24 1830 | | .3 | 1 | 343.0 | 2.0 | 341.0 | 475.0 | 0.45 | 9.200 | 175.000 | 6.49 | | |
| 80 10 24 1830 | | .3 | 1 | 2939.0 | 23.0 | 2916.0 | 3300.0 | 8.40 | 23.000 | 1530.000 | 9.02 | 1.700 | 3.200 |
| MAXIMUM | | | | 3152.0 | 23.0 | 3147.0 | 3300.0 | 9.50 | 23.000 | 1825.000 | 9.61 | 1.700 | 4.200 |
| ARITH MEAN | | | | 2530 | 9 | 2520 | 2771 | 6.4 | 19.4 | 1349 | 8.30 | 0.94 | 2.5 |
| GEOM MEAN | | | | 2170 | 6 | 2161 | 2448 | 5.0 | 18.8 | 1127 | 8.24 | 0.80 | 2.2 |
| MINIMUM | | | | 343.0 | 1 | 341.0 | 475.0 | 0.45 | 9.200 | 175.000 | 6.49 | 0.430 | 0.71 |
| STD DEV | | | | 932 | 7 | 930 | 943 | 2.8 | 4.2 | 637 | 0.98 | 0.55 | 1.2 |
| NO OF SAMPLES | | | | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 7 | 7 |

| TEST-NAME: | | | | CUUT | PBUT | CDUT | ZNUT | COUT | RA226F | GACF | GACP | GBCF | GBCP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L |
| 80 02 20 1630 | | .3 | 1 | 0.020 | 0.030< | 0.005 < | 0.010< | 0.020 < | 1< | 190 | 260 | 120 | 90 |
| 80 03 29 1400 | | .3 | 1 | 0.030 | 0.030< | 0.005 < | 0.010< | 0.020 < | | | | | |
| 80 05 22 1100 | | .3 | 1 | 0.020 | 0.030< | 0.005 < | 0.010< | 0.020 < | 1< | 130 | 150 | 120 | 94 |
| 80 06 23 1530 | | .3 | 1 | 0.03 | 0.03 < | 0.005 < | 0.01 < | 0.02 < | 1 | 170 | 100 | 150 | 64 |
| 80 07 23 1800 | | .3 | 1 | 0.002 | 0.012 | 0.0008 | 0.001< | 0.002 < | 1 | 92 | 110 | 30 | 59 |
| 80 08 28 1830 | | .3 | 1 | 0.009 | 0.003< | 0.0005 | 0.011 | 0.002 < | | | | | |
| 80 09 24 1830 | | .3 | 1 | 0.008 | 0.003< | 0.0002< | 0.001< | 0.0003 | 1 | 180 | 230 | 150 | 150 |
| 80 10 24 1830 | | .3 | 1 | 0.009 | 0.003< | 0.0005 | 0.004 | 0.004 | | | | | |
| MAXIMUM | | | | 0.03 | 0.03 | 0.005 | 0.011 | 0.02 | 1 | 190 | 260 | 150 | 150 |
| ARITH MEAN | | | | 0.01 | 0.01 L | 0.002 L | 0.00 L | 0.01 L | 1L | 152 | 170 | 114 | 91 |
| GEOM MEAN | | | | 0.01 | 0.01 L | 0.001 L | 0.00 L | 0.00 L | 1L | 147 | 158 | 99 | 86 |
| MINIMUM | | | | 0.002 | 0.003< | 0.0002< | 0.001< | 0.0003< | 1< | 92 | 100 | 30 | 59 |
| STD DEV | | | | 0.01 | 0.01 L | 0.002 L | 0.00 L | 0.00 L | 0L | 41 | 72 | 49 | 36 |
| NO OF SAMPLES | | | | 8 | 8 | 8 | 8 | 8 | 5 | 5 | 5 | 5 | 5 |

| TEST-NAME: | | | | UU238 |
|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | URANIUM 238 UG/L |
| 80 02 20 1630 | | .3 | 1 | 110 |
| 80 05 22 1100 | | .3 | 1 | 67 |
| 80 06 23 1530 | | .3 | 1 | 120 |
| 80 07 23 1800 | | .3 | 1 | 55 |
| 80 09 24 1830 | | .3 | 1 | 95 |
| MAXIMUM | | | | 120 |
| ARITH MEAN | | | | 89 |
| GEOM MEAN | | | | 86 |
| MINIMUM | | | | 55 |
| STD DEV | | | | 28 |
| NO OF SAMPLES | | | | 5 |

B.O.W./SITE **MAY LAKE**
SAMPLE POINT **SOUTH END OF MAY LAKE 33 3**
STATION TYPE **LAKE**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SERPENT RIVER**

STATION ID: **14-0019-054-01**
STORET CODE: **02**
**002**
**8040**

LAT LONG U.T.M. **17 0386200.0 5142375.0 4** REGION: **05** DISTANCE **61.636**

| TEST-NAME | | | | | SAMPLE | FWTEMP | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | PHOSPHOR UNF.TOT MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L |
| 80 05 28 1145 | | | 3 | 1 | 11740 | 15.0 | 0.003 | 0.001 | 0.320 | 0.410 | 0.001< | 0.185 | 0.506 | 0.090 |
| 80 10 29 1140 | | | 3 | 1 | 11841 | 4.0 | 0.009 | 0.001 | 0.430 | 0.480 | 0.001< | 0.240 | 0.671 | 0.050 |
| MAXIMUM | | | | | | 15.0 | 0.009 | 0.001 | 0.430 | 0.480 | 0.001 | 0.240 | 0.671 | 0.090 |
| ARITH MEAN | | | | | | 9.5 | 0.006 | 0.001 | 0.375 | 0.445 | 0.001L | 0.212 | 0.588 | 0.070 |
| GEOM MEAN | | | | | | 7.7 | 0.005 | 0.001 | 0.371 | 0.444 | 0.001L | 0.211 | 0.583 | 0.067 |
| MINIMUM | | | | | | 4.0 | 0.003 | 0.001 | 0.320 | 0.410 | 0.001< | 0.185 | 0.506 | 0.050 |
| STD DEV | | | | | | 7.8 | 0.004 | 0.000 | 0.078 | 0.049 | 0.000L | 0.039 | 0.117 | 0.028 |
| NO OF SAMPLES | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | NNKI | RST | RSF | COND25 | TURB | CLIDUR | SSO4UR | ACDT | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH |
| 80 05 28 1145 | | | 3 | 1 | 0.596 | 150.00 | 150.000 | 230.0 | 0.40 | 4.750 | 83.000 | | 2.0 | 4.80 |
| 80 10 29 1140 | | | 3 | 1 | 0.721 | | | 290.0 | 0.40 | 9.550 | 106.000 | 11.340 | 1.0< | 4.18 |
| MAXIMUM | | | | | 0.721 | 150.00 | 150.000 | 290.0 | 0.40 | 9.550 | 106.000 | 11.340 | 2.0 | 4.80 |
| ARITH MEAN | | | | | 0.658 | 150.00 | 150.000 | 260.0 | 0.40 | 7.150 | 94.500 | 11.340 | 1.5L | 4.49 |
| GEOM MEAN | | | | | 0.656 | | | 258.3 | 0.40 | 6.735 | 93.798 | | 1.4L | 4.48 |
| MINIMUM | | | | | 0.596 | 150.00 | 150.000 | 230.0 | 0.40 | 4.750 | 83.000 | 11.340 | 1.0< | 4.18 |
| STD DEV | | | | | 0.088 | | | 42.4 | 0.00 | 3.394 | 16.263 | | 0.7L | 0.44 |
| NO OF SAMPLES | | | | | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 2 |

| TEST-NAME: | | | | | FEUT | MGUR | COLAP | ASUT | ALUT | CUUT | PBUT | CDUT | ZNUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | IRON UNF.TOT. MG/L AS FE | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT MG/L AS MN |
| 80 05 28 1145 | | | 3 | 1 | 0.400 | 1.750 | 1.000 | 0.001< | 0.920 | 0.010< | 0.030< | 0.005< | 0.030 | 0.218 |
| 80 10 29 1140 | | | 3 | 1 | 0.160 | 1.900 | 1.000 | 0.001< | 1.100 | 0.005 | 0.003< | | 0.039 | |
| MAXIMUM | | | | | 0.400 | 1.900 | 1.000 | 0.001 | 1.100 | 0.010 | 0.030 | 0.005 | 0.039 | 0.218 |
| ARITH MEAN | | | | | 0.280 | 1.825 | 1.000 | 0.001L | 1.010 | 0.007L | 0.016L | 0.005L | 0.034 | 0.218 |
| GEOM MEAN | | | | | 0.253 | 1.823 | 1.000 | 0.001L | 1.006 | 0.007L | 0.009L | | 0.034 | |
| MINIMUM | | | | | 0.160 | 1.750 | 1.000 | 0.001< | 0.920 | 0.005< | 0.003< | 0.005< | 0.030 | 0.218 |
| STD DEV | | | | | 0.170 | 0.106 | 0.000 | 0.000L | 0.127 | 0.004L | 0.019L | | 0.006 | |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 |

| TEST-NAME: | | | | | NIUT | COUT | RA226F | GACF | GACP | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 05 28 1145 | | | 3 | 1 | 0.020< | 0.020< | 7 | 17 | 1 | 18 | 1< | 10< |
| 80 10 29 1140 | | | 3 | 1 | 0.010 | | 8 | 31 | 8 | 23 | 2 | 10< |
| MAXIMUM | | | | | 0.020 | 0.020 | 8 | 31 | 8 | 23 | 2 | 10 |
| ARITH MEAN | | | | | 0.015L | 0.020L | 7 | 24 | 4 | 20 | 1L | 10L |
| GEOM MEAN | | | | | 0.014L | | 7 | 23 | 3 | 20 | 1L | 10L |
| MINIMUM | | | | | 0.010< | 0.020< | 7 | 17 | 1 | 18 | 1< | 10< |
| STD DEV | | | | | 0.007L | | 1 | 10 | 5 | 4 | 1L | 0L |
| NO OF SAMPLES | | | | | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |

B.O.W./SITE **MAY LAKE**
SAMPLE POINT **NORTH END OF MAY LAKE 33 1**
STATION TYPE **LAKE**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SERPENT RIVER**

STATION ID: **14-0019-055-01**
STORET CODE **02**
**002**
**8040**

LAT LONG U.T.M. **17 0385200.0 5144375.0 4** REGION **05** DISTANCE **64.372**

| TEST-NAME: | | | | | SAMPLE | FWTEMP | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L |
| 80 05 28 1210 | | | 3 | 1 | 11741 | 15.0 | 0.004 | 0.002 | 1.920 | 1.990 | 0.003 | 0.467 | 2.390 | 0.070 |
| 80 10 29 1150 | | | 3 | 1 | 11842 | 4.0 | 0.016 | 0.002 | 2.450 | 2.520 | 0.001< | 0.490 | 2.941 | 0.070 |
| MAXIMUM | | | | | | 15.0 | 0.016 | 0.002 | 2.450 | 2.520 | 0.003 | 0.490 | 2.941 | 0.070 |
| ARITH MEAN | | | | | | 9.5 | 0.010 | 0.002 | 2.185 | 2.255 | 0.002L | 0.478 | 2.665 | 0.070 |
| GEOM MEAN | | | | | | 7.7 | 0.008 | 0.002 | 2.169 | 2.239 | 0.002L | 0.478 | 2.651 | 0.070 |
| MINIMUM | | | | | | 4.0 | 0.004 | 0.002 | 1.920 | 1.990 | 0.001< | 0.467 | 2.390 | 0.070 |
| STD DEV | | | | | | 7.8 | 0.006 | 0.000 | 0.375 | 0.375 | 0.001L | 0.016 | 0.390 | 0.000 |
| NO OF SAMPLES | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | NNKI | RST | RSF | COND25 | TURB | CLIDUR | SSO4UR | ACDT | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH |
| 80 05 28 1210 | | | 3 | 1 | 2.460 | 477.00 | 477.00 | 700.0 | 0.45 | | 209.000 | | 0.0 | 4.21 |
| 80 10 29 1150 | | | 3 | 1 | 3.011 | | | 950.0 | 2.20 | 113.000 | 285.000 | 19.200 | 0.0 | 3.79 |
| MAXIMUM | | | | | 3.011 | 477.00 | 477.00 | 950.0 | 2.20 | 113.000 | 285.000 | 19.200 | 0 | 4.21 |
| ARITH MEAN | | | | | 2.735 | 477.00 | 477.00 | 825.0 | 1.32 | 113.000 | 247.000 | 19.200 | 0.0 | 4.00 |
| GEOM MEAN | | | | | 2.722 | | | 815.5 | 0.99 | | 244.059 | | | 3.99 |
| MINIMUM | | | | | 2.460 | 477.00 | 477.00 | 700.0 | 0.45 | 113.000 | 209.000 | 19.200 | 0.0 | 3.79 |
| STD DEV | | | | | 0.390 | | | 176.8 | 1.24 | | 53.740 | | | 0.30 |
| NO OF SAMPLES | | | | | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 |

(CONTD)

| | TEST-NAME: | | FEUT | MGUR | COLAP | ASUT | ALUT | CUUT | PBUT | CDUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN SAMP DIST BRG DEPTH FEET MTRS | PJ | IRON UNF.TOT. MG/L AS FE | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 05 28 1210 | .3 | 1 | | | | 0.001< | 1.400 | 0.010< | 0.030< | 0.005< | 0.040 | 0.020< |
| 80 10 29 1150 | .3 | 1 | 0.490 | 2.050 | 4.000 | 0.001 | 1.200 | 0.007 | 0.005 | | 0.039 | 0.010 |
| | MAXIMUM | | 0.490 | 2.050 | 4.000 | 0.001 | 1.400 | 0.010 | 0.030 | 0.005 | 0.040 | 0.020 |
| | ARITH MEAN | | 0.490 | 2.050 | 4.000 | 0.001L | 1.300 | 0.008L | 0.017L | 0.005L | 0.039 | 0.015L |
| | GEOM MEAN | | | | | 0.001L | 1.296 | 0.008L | 0.012L | | 0.039 | 0.014L |
| | MINIMUM | | 0.490 | 2.050 | 4.000 | 0.001< | 1.200 | 0.007< | 0.005< | 0.005< | 0.039 | 0.010< |
| | STD DEV | | | | | 0.000L | 0.141 | 0.002L | 0.018L | | 0.001 | 0.007L |
| | NO OF SAMPLES | | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 2 |

| | TEST-NAME: | | COUT | RA226F | GACF | GACP | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN SAMP DIST BRG DEPTH FEET MTRS | PJ | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 05 28 1210 | .3 | 1 | 0.020< | 3 | 37 | 3 | 26 | 1 | 10 |
| 80 10 29 1150 | .3 | 1 | | 5 | 51 | 8 | 36 | 2 | 11 |
| | MAXIMUM | | 0.020 | 5 | 51 | 8 | 36 | 2 | 11 |
| | ARITH MEAN | | 0.020L | 4 | 44 | 5 | 31 | 1 | 10 |
| | GEOM MEAN | | | 4 | 43 | 5 | 31 | 1 | 10 |
| | MINIMUM | | 0.020< | 3 | 37 | 3 | 26 | 1 | 10 |
| | STD DEV | | | 1 | 10 | 4 | 7 | 1 | 1 |
| | NO OF SAMPLES | | 1 | 2 | 2 | 2 | 2 | 2 | 2 |

B O W / SITE: **ESTEN LAKE**
SAMPLE POINT: **CENTRAL PART OF ESTEN LAKE 49 1**
STATION TYPE: **LAKE**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SERPENT RIVER**

STATION ID: **14-0019-067-01**
STORET CODE: **02**
**002**
**8040**

LAT: LONG: U T M: **17 0369400.0 5134250.0 4** REGION: **05** DISTANCE: **00.100**

| | TEST-NAME: | | SAMPLE | FWTEMP | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN SAMP DIST BRG DEPTH FEET MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L |
| 80 05 28 1430 | .3 | 1 | 11748 | 18.0 | 0.031 | 0.007 | 0.206 | 0.580 | 0.009 | 0.161 | 0.376 | 0.374 |
| 80 10 29 1312 | .3 | 1 | 11843 | 4.0 | 0.034 | 0.019 | 0.030 | 0.250 | 0.001 | 0.379 | 0.410 | 0.220 |
| | MAXIMUM | | | 18.0 | 0.034 | 0.019 | 0.206 | 0.580 | 0.009 | 0.379 | 0.410 | 0.374 |
| | ARITH MEAN | | | 11.0 | 0.032 | 0.013 | 0.118 | 0.415 | 0.005 | 0.270 | 0.393 | 0.297 |
| | GEOM MEAN | | | 8.5 | 0.032 | 0.012 | 0.079 | 0.381 | 0.003 | 0.247 | 0.393 | 0.287 |
| | MINIMUM | | | 4.0 | 0.031 | 0.007 | 0.030 | 0.250 | 0.001 | 0.161 | 0.376 | 0.220 |
| | STD DEV | | | 9.9 | 0.002 | 0.008 | 0.124 | 0.233 | 0.006 | 0.154 | 0.024 | 0.109 |
| | NO OF SAMPLES | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| | TEST-NAME: | | NNKI | RST | RSF | COND25 | TURB | CLIDUR | SSO4UR | ACDT | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN SAMP DIST BRG DEPTH FEET MTRS | PJ | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH |
| 80 05 28 1430 | .3 | 1 | 0.750 | 105.00 | 104.000 | 160.0 | 1.20 | 9.500 | 43.000 | | 9.0 | 7.60 |
| 80 10 29 1312 | .3 | 1 | 0.630 | | | 620.0 | 0.60 | 12.000 | 54.500 | 2.890 | 11.0 | 6.78 |
| | MAXIMUM | | 0.750 | 105.00 | 104.000 | 620.0 | 1.20 | 12.000 | 54.500 | 2.890 | 11.0 | 7.60 |
| | ARITH MEAN | | 0.690 | 105.00 | 104.000 | 390.0 | 0.90 | 10.750 | 48.750 | 2.890 | 10.0 | 7.19 |
| | GEOM MEAN | | 0.687 | | | 315.0 | 0.85 | 10.677 | 48.410 | | 9.9 | 7.18 |
| | MINIMUM | | 0.630 | 105.00 | 104.000 | 160.0 | 0.60 | 9.500 | 43.000 | 2.890 | 9.0 | 6.78 |
| | STD DEV | | 0.085 | | | 325.3 | 0.42 | 1.768 | 8.132 | | 1.4 | 0.58 |
| | NO OF SAMPLES | | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 2 |

| | TEST-NAME: | | FEUT | MGUR | COLAP | ASUT | ALUT | CUUT | PBUT | CDUT | ZNUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN SAMP DIST BRG DEPTH FEET MTRS | PJ | IRON UNF.TOT. MG/L AS FE | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN |
| 80 05 28 1430 | .3 | 1 | 0.060 | 2.450 | | 0.001< | 0.060 | 0.010< | 0.030< | 0.005< | 0.010< | 0.067 |
| 80 10 29 1312 | .3 | 1 | 0.050 | 3.350 | 17.000 | 0.001 | 0.023 | 0.001< | 0.003< | | 0.004 | |
| | MAXIMUM | | 0.060 | 3.350 | 17.000 | 0.001 | 0.060 | 0.010 | 0.030 | 0.005 | 0.010 | 0.067 |
| | ARITH MEAN | | 0.055 | 2.900 | 17.000 | 0.001L | 0.041 | 0.005L | 0.016L | 0.005L | 0.007L | 0.067 |
| | GEOM MEAN | | 0.055 | 2.865 | | 0.001L | 0.037 | 0.003L | 0.009L | | 0.006L | |
| | MINIMUM | | 0.050 | 2.450 | 17.000 | 0.001< | 0.023 | 0.001< | 0.003< | 0.005< | 0.004< | 0.067 |
| | STD DEV | | 0.007 | 0.636 | | 0.000L | 0.026 | 0.006L | 0.019L | | 0.004L | |
| | NO OF SAMPLES | | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 1 |

| | TEST-NAME: | | NIUT | COUT | RA226F | GACF | GACP | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN SAMP DIST BRG DEPTH FEET MTRS | PJ | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 05 28 1430 | .3 | 1 | 0.020< | 0.020< | 1< | 1< | 1 | 2 | 1< | 10< |
| 80 10 29 1312 | .3 | 1 | 0.003 | | 1< | 1< | 2 | 3 | 1 | 10< |
| | MAXIMUM | | 0.020 | 0.020 | 1 | 1 | 2 | 3 | 1 | 10 |
| | ARITH MEAN | | 0.011L | 0.020L | 1L | 1L | 1 | 2 | 1L | 10L |
| | GEOM MEAN | | 0.008L | | 1L | 1L | 1 | 2 | 1L | 10L |
| | MINIMUM | | 0.003< | 0.020< | 1< | 1< | 1 | 2 | 1< | 10< |
| | STD DEV | | 0.012L | | 0L | 0L | 1 | 1 | 0L | 0L |
| | NO OF SAMPLES | | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |

B.O.W./SITE **SPANISH RIVER**
SAMPLE POINT **HIGHWAY 17 EAST OF HWYS.:786**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SPANISH RIVER**

STATION ID **14-0028-002-02**
STORET CODE **02**
**002**
**7950**

LAT LONG U.T.M. **17 0448000.0 5127525.0 4** REGION **05** DISTANCE **61.797**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 09 1400 | | 3 | 1 | 14511 | 4 6 8 | 0.0 | 13.0 | 0.006 | 0.001< | 0.030 | 0.250 | 0.003 | 0.115 |
| 80 03 07 1345 | | 3 | 1 | 14549 | 4 6 8 | 0.0 | 12.0 | 0.005 | 0.001 | 0.086 | 0.260 | 0.002 | 0.128 |
| **MAXIMUM** | | | | | | **0** | **13.0** | **0.006** | **0.001** | **0.086** | **0.260** | **0.003** | **0.128** |
| **ARITH MEAN** | | | | | | **0.0** | **12.5** | **0.005** | **0.001L** | **0.058** | **0.255** | **0.002** | **0.121** |
| **GEOM MEAN** | | | | | | | **12.5** | **0.005** | **0.001L** | **0.051** | **0.255** | **0.002** | **0.121** |
| **MINIMUM** | | | | | | **0.0** | **12.0** | **0.005** | **0.001<** | **0.030** | **0.250** | **0.002** | **0.115** |
| **STD DEV** | | | | | | | **0.7** | **0.001** | **0.000L** | **0.040** | **0.007** | **0.001** | **0.009** |
| **NO OF SAMPLES** | | | | | | **2** | **2** | **2** | **2** | **2** | **2** | **2** | **2** |

| TEST-NAME: | | | | NNTIFR | NNKUR | NNKI | RST | RSP | COND25 | TURB | CLIDUR | ALUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALUMINUM UNF.TOT MG/L AS AL | COPPER UNF.TOT MG/L AS CU |
| 80 02 09 1400 | | 3 | 1 | 0.148 | 0.220 | 0.368 | 33.0 | 0.4 | 50.0 | 0.70 | 0.850 | 0.030 | 0.010< |
| 80 03 07 1345 | | 3 | 1 | 0.216 | 0.174 | 0.390 | 34.0 | 0.6 | 51.0 | 0.75 | 0.800 | 0.050 | 0.010< |
| **MAXIMUM** | | | | **0.216** | **0.220** | **0.390** | **34.0** | **0.6** | **51.0** | **0.75** | **0.850** | **0.050** | **0.010** |
| **ARITH MEAN** | | | | **0.182** | **0.197** | **0.379** | **33.5** | **0.5** | **50.5** | **0.72** | **0.825** | **0.040** | **0.010L** |
| **GEOM MEAN** | | | | **0.179** | **0.196** | **0.379** | **33.5** | **0.5** | **50.5** | **0.72** | **0.825** | **0.039** | **0.010L** |
| **MINIMUM** | | | | **0.148** | **0.174** | **0.368** | **33.0** | **0.4** | **50.0** | **0.70** | **0.800** | **0.030** | **0.010<** |
| **STD DEV** | | | | **0.048** | **0.033** | **0.016** | **0.7** | **0.1** | **0.7** | **0.04** | **0.035** | **0.014** | **0.000L** |
| **NO OF SAMPLES** | | | | **2** | **2** | **2** | **2** | **2** | **2** | **2** | **2** | **2** | **2** |

| TEST-NAME: | | | | PBUT | ZNUT | NIUT | RA226F | GACF | GACP | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 02 09 1400 | | 3 | 1 | 0.030< | 0.010< | 0.020< | 1< | 1< | 1< | 1 | 1< | 10< |
| 80 03 07 1345 | | 3 | 1 | 0.030< | 0.010< | 0.020< | | | | | | |
| **MAXIMUM** | | | | **0.030** | **0.010** | **0.020** | **1** | **1** | **1** | **1** | **1** | **10** |
| **ARITH MEAN** | | | | **0.030L** | **0.010L** | **0.020L** | **1L** | **1L** | **1L** | **1** | **1L** | **10L** |
| **GEOM MEAN** | | | | **0.030L** | **0.010L** | **0.020L** | | | | | | |
| **MINIMUM** | | | | **0.030<** | **0.010<** | **0.020<** | **1<** | **1<** | **1<** | **1** | **1<** | **10<** |
| **STD DEV** | | | | **0.000L** | **0.000L** | **0.000L** | | | | | | |
| **NO OF SAMPLES** | | | | **2** | **2** | **2** | **1** | **1** | **1** | **1** | **1** | **1** |

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B.O.W./SITE **JUNCTION CREEK**
SAMPLE POINT **AT OUTLET OF KELLY LAKE**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SPANISH RIVER**

STATION ID **14-0028-003-02**
STORET CODE **02**
**002**
**7950**

LAT LONG U.T.M. **17 0492550.0 5141350.0 4** REGION **05** DISTANCE **122.951**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 15 0930 | | 3 | 1 | 14516 | 6 8 | 0.0 | 8.0 | 0.172 | 0.101 | 11.200 | 13.800 | 0.040 | 1.560 |
| 80 03 14 1850 | | 3 | 1 | 14554 | 6 8 | 0.0 | 9.0 | 0.208 | 0.120 | 17.500 | 17.500 | 0.330 | 0.720 |
| 80 05 03 1530 | | 3 | 1 | 14596 | 6 8 | 13.0 | 9.0 | 0.128 | 0.042 | 9.800 | 12.400 | 0.081 | 0.799 |
| 80 06 01 0940 | | 3 | 1 | 14633 | 6 8 | 19.0 | 8.0 | 0.117 | 0.008 | 9.600 | 13.300 | 0.210 | 1.240 |
| 80 06 28 0900 | | 3 | 1 | 14659 | 6 8 | 21.0 | 9.0 | 0.123 | 0.025 | 10.900 | 10.900 | 1.350 | 1.000 |
| 80 07 27 0930 | | 3 | 1 | 14696 | 6 8 | 28.0 | 8.0 | 0.080 | 0.070 | 20.800 | | 0.380 | 1.030 |
| 80 09 01 1805 | | 3 | 1 | 14725 | 6 8 | 20.0 | 9.0 | 0.113 | 0.021 | 10.600 | 14.800 | 0.370 | 1.070 |
| 80 09 28 0915 | | 3 | 1 | 14743 | 6 8 | 13.0 | 9.0 | 0.132 | 0.091 | 6.550 | 12.500 | 2.300 | 4.100 |
| 80 11 08 1040 | | 3 | 1 | 14765 | 6 8 | 1.0 | 8.0 | 0.178 | 0.110 | 10.400 | 16.700 | 0.075 | 1.020 |
| 80 12 07 1115 | | 3 | 1 | 14809 | 6 8 | 0.0 | 8.0 | 0.233 | 0.180 | 16.500 | 19.800 | 0.091 | 1.060 |
| **MAXIMUM** | | | | | | **28.0** | **9.0** | **0.233** | **0.180** | **20.800** | **19.800** | **2.300** | **4.100** |
| **ARITH MEAN** | | | | | | **11.5** | **8.5** | **0.148** | **0.077** | **12.385** | **14.633** | **0.523** | **1.360** |
| **GEOM MEAN** | | | | | | **5.7** | **8.5** | **0.142** | **0.055** | **11.742** | **14.386** | **0.241** | **1.184** |
| **MINIMUM** | | | | | | **0.0** | **8.0** | **0.080** | **0.008** | **6.560** | **10.900** | **0.040** | **0.720** |
| **STD DEV** | | | | | | **10.6** | **0.5** | **0.048** | **0.054** | **4.386** | **2.854** | **0.733** | **0.990** |
| **NO OF SAMPLES** | | | | | | **10** | **10** | **10** | **10** | **10** | **9** | **10** | **10** |

| TEST-NAME: | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 02 15 0930 | | 3 | 1 | 12.800 | 2.600 | 15.400 | 1189.0 | 2.0 | | 1650.0 | 2.00 | 103.000 | |
| 80 03 14 1850 | | 3 | 1 | 18.550 | 0.000 | 18.550 | 1277.0 | 4.0 | | 1750.0 | 2.50 | 113.000 | |
| 80 05 03 1530 | | 3 | 1 | 10.680 | 2.600 | 13.280 | 822.0 | 7.0 | 815.0 | 1150.0 | 3.50 | 80.000 | 7.16 |
| 80 06 01 0940 | | 3 | 1 | 11.050 | 3.700 | 14.750 | 972.0 | 7.0 | | 1300.0 | 3.30 | 81.000 | 7.22 |
| 80 06 28 0900 | | 3 | 1 | 13.250 | 0.000 | 13.250 | 1165.0 | 25.0 | 1140.0 | 1500.0 | 3.40 | 89.000 | 6.61 |
| 80 07 27 0930 | | 3 | 1 | 22.210 | | | 1244.00 | 4.00 | 1240.00 | 1650.0 | 0.80 | 90.000 | 7.15 |
| 80 09 01 1805 | | 3 | 1 | 12.040 | 4.200 | 16.240 | 1312.0 | 2.0 | 1310.0 | 1700.0 | 1.80 | 92.000 | 7.23 |
| 80 09 28 0915 | | 3 | 1 | 12.950 | 5.950 | 18.900 | 1207.0 | 5.0 | | 1600.0 | 1.90 | 90.000 | 4.72 |
| 80 11 08 1040 | | 3 | 1 | 11.495 | 6.300 | 17.795 | 1235.0 | 4.0 | | 1650.0 | 2.00 | 87.000 | 7.57 |
| 80 12 07 1115 | | 3 | 1 | 17.651 | 3.300 | 20.951 | 1311.0 | 5.0 | | 1750.0 | 1.80 | 94.000 | 7.69 |
| **MAXIMUM** | | | | **22.210** | **6.300** | **20.951** | **1312.0** | **25.0** | **1310.0** | **1750.0** | **3.50** | **113.000** | **7.69** |
| **ARITH MEAN** | | | | **14.288** | **3.183** | **16.568** | **1173.4** | **6.5** | **1126.2** | **1570.0** | **2.30** | **91.900** | **6.92** |
| **GEOM MEAN** | | | | **13.866** | **2.865** | **16.379** | **1162.5** | **4.8** | **1108.3** | **1557.3** | **2.13** | **91.449** | **6.85** |
| **MINIMUM** | | | | **10.680** | **0.000** | **13.250** | **822.0** | **2.0** | **815.0** | **1150.0** | **0.80** | **80.000** | **4.72** |
| **STD DEV** | | | | **3.854** | **2.226** | **2.662** | **157.4** | **6.7** | **218.9** | **198.9** | **0.87** | **9.848** | **0.94** |
| **NO OF SAMPLES** | | | | **10** | **9** | **9** | **10** | **10** | **4** | **10** | **10** | **10** | **8** |

(CONTD)

| TEST-NAME: | | | | ALUT | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 02 15 0930 | | 3 | 1 | 0 050 | 0 040 | 0 030< | 0 020 | 0 940 |
| 80 03 14 1850 | | 3 | 1 | 0 850 | 0 160 | 0 030< | 0 040 | 0 590 |
| 80 05 03 1530 | | 3 | 1 | 0 110 | 0 050 | 0 030< | 0 010< | 0 380 |
| 80 06 01 0940 | | 3 | 1 | 0 020< | 0 020 | 0 030< | 0 020 | 0 620 |
| 80 06 28 0900 | | 3 | 1 | 0 410 | 0 040 | 0 030< | 0 020 | 0 620 |
| 80 07 27 0930 | | 3 | 1 | 0 020< | 0 010 | 0 030< | 0 010< | 0 560 |
| 80 09 01 1805 | | 3 | 1 | 0 100 | 0 018 | 0 003< | 0 007 | 0 560 |
| 80 09 28 0915 | | 3 | 1 | 0 093 | 0 038 | 0 003< | 0 014 | 0 81 |
| 80 11 08 1040 | | 3 | 1 | 0 120 | 0 030 | 0 003< | 0 017 | 0 490 |
| 80 12 07 1115 | | .3 | 1 | 0 160 | 0 040 | 0 003< | 0 013 | 0 480 |
| MAXIMUM | | | | 0.850 | 0.160 | 0.030 | 0.040 | 0.940 |
| ARITH MEAN | | | | 0.193L | 0.046 | 0.019L | 0.017L | 0.60 |
| GEOM MEAN | | | | 0.103L | 0.034 | 0.012L | 0.015L | 0.58 |
| MINIMUM | | | | 0.020< | 0.010 | 0.003< | 0.007< | 0.380 |
| STD DEV | | | | 0.256L | 0.042 | 0.014L | 0.009L | 0.16 |
| NO OF SAMPLES | | | | 10 | 10 | 10 | 10 | 10 |

B O W / SITE **COPPER CLIFF CREEK**
SAMPLE POINT **AT CEASAR ROAD SUDBURY**
STATION TYPE **RIVER FLOW GAUGE MOE 02CF107**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SPANISH RIVER**

STATION ID **14-0028-005-02**

STORET CODE **02**
**002**
**7950**

LAT LONG U T M **17 0497000.0 5146000.0 4** REGION **05** DISTANCE **131.802**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 15 0900 | | 3 | 1 | 14515 | 6 8 | 0.0 | 8 0 | 0 035 | 0 001< | 39 500 | 62 500 | 0 184 | 1 700 |
| 80 03 14 1810 | | 3 | 1 | 14553 | 6 8 | 0.0 | 8 0 | 0 020 | 0 002 | 44.900 | 58 000 | 0 260 | 3.540 |
| 80 05 03 1500 | | .3 | 1 | 14595 | 3 6 8 | 13 0 | 8 0 | 0 040 | 0 012 | 27 500 | 38 700 | 0 430 | 1 020 |
| 80 06 01 0915 | | 3 | 1 | 14632 | 6 8 | 19 0 | 7 0 | 0 128 | 0 016 | 30 000 | 41 600 | 0 500 | 1 750 |
| 80 06 28 0830 | | 3 | 1 | 14658 | 6 8 | 21 0 | 8 0 | 0.025 | 0 002 | 36 500 | 25 800 | 0 150 | 0 050 |
| 80 07 27 0905 | | 3 | 1 | 14695 | 6 8 | 22.0 | 7 0 | 0 115 | 0.017 | 27.000 | 30 600 | 0 165 | 0.005< |
| 80 09 01 1740 | | .3 | 1 | 14724 | 6 8 | 20.0 | 9 0 | 0 025 | 0 001 | 27 000 | 36 200 | 0 260 | 0.150 |
| 80 09 02 1740 | | .3 | 1 | 14724 | 6 8 | 20 0 | 9.0 | 0 025 | 0 001 | 27 000 | 36.200 | 0 260 | 0.150 |
| 80 09 28 0840 | | .3 | 1 | 14742 | 6 8 9 | 13 0 | 8 0 | 0 008 | 0.001< | 18 500 | 38 700 | 0 085 | 0.105 |
| 80 11 08 1015 | | 3 | 1 | 14764 | 6 8 9 | 1.0 | 7.0 | 0 040 | 0.015 | 42.000 | 55.100 | 0.520 | |
| 80 12 07 1040 | | 3 | 1 | 14808 | 6 8 | 0.0 | 7 0 | 0 048 | 0 002 | 24 500 | 69.900 | 0 340 | 1 860 |
| MAXIMUM | | | | | | 22.0 | 9.0 | 0.128 | 0.017 | 44.900 | 69.900 | 0.520 | 3.540 |
| ARITH MEAN | | | | | | 11.7 | 7.8 | 0.046 | 0.006L | 31.309 | 44.845 | 0.287 | 1.033L |
| GEOM MEAN | | | | | | 6.3 | 7.8 | 0.035 | 0.003L | 30.334 | 42.875 | 0.252 | 0.322L |
| MINIMUM | | | | | | 0.0 | 7.0 | 0.008 | 0.001< | 18.500 | 25.800 | 0.085 | 0.005< |
| STD DEV | | | | | | 9.6 | 0.8 | 0.039 | 0.007L | 8.218 | 14.209 | 0.145 | 1.172L |
| NO OF SAMPLES | | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 10 |

| TEST-NAME: | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 02 15 0900 | | .3 | 1 | 41 384 | 23.000 | 64 384 | 2593.0 | 14 0 | | 2900.0 | 4.50 | 275.000 | |
| 80 03 14 1810 | | 3 | 1 | 48 700 | 13 100 | 61 800 | 2519 0 | 21.0 | | 3050.0 | 3.70 | 315.000 | |
| 80 05 03 1500 | | .3 | 1 | 28 950 | 11 200 | 40 150 | 1999 0 | 9 0 | 1990 0 | 2350.0 | 32.00 | | 5.93 |
| 80 06 01 0915 | | .3 | 1 | 32 250 | 11.600 | 43.850 | 2379.0 | 4 0 | | 2450.0 | 2.80 | 95 000 | 6.91 |
| 80 06 28 0830 | | .3 | 1 | 36 700 | 10.700 | 26.000 | 2512.0 | 10 0 | 2502.0 | 2850.0 | 4 30 | 112.000 | 8 77 |
| 80 07 27 0905 | | .3 | 1 | 27 170 | 3 600 | 30 770 | 2568.0 | 2 0 | 2566 0 | 2900.0 | 14.00 | 75 000 | 8.02 |
| 80 09 01 1740 | | .3 | 1 | 27 410 | 9 200 | 36 610 | 2741.0 | 11.0 | 2730.0 | 3000.0 | 4 50 | 81 000 | 8.62 |
| 80 09 02 1740 | | 3 | 1 | 27 410 | 9 200 | 36.610 | 2741 0 | 11 0 | 2730.0 | 3000.0 | 4.50 | 81.000 | 8 62 |
| 80 09 28 0840 | | .3 | 1 | 18.690 | 20.200 | 38.890 | 2625.0 | 26 0 | | 2900.0 | 8 30 | 153.000 | 10.05 |
| 80 11 08 1015 | | .3 | 1 | | 13.100 | | 2692.0 | 7.0 | | 3100.0 | 4.10 | 154.000 | 9 51 |
| 80 12 07 1040 | | .3 | 1 | 26 700 | 45 400 | 72 100 | 2810.0 | 34 0 | | 3350.0 | 49.00 | 120.000 | 7.21 |
| MAXIMUM | | | | 48.700 | 45.400 | 72.100 | 2810.0 | 34.0 | 2730.0 | 3350.0 | 49.00 | 315.000 | 10.05 |
| ARITH MEAN | | | | 31.536 | 15.482 | 45.116 | 2561.7 | 13.5 | 2503.6 | 2895.5 | 11.97 | 146.100 | 8.18 |
| GEOM MEAN | | | | 30.530 | 12.817 | 42.889 | 2551.9 | 10.4 | 2487.4 | 2882.4 | 7.28 | 129.063 | 8.08 |
| MINIMUM | | | | 18.690 | 3.600 | 26.000 | 1999.0 | 2.0 | 1990.0 | 2350.0 | 2.80 | 75.000 | 5.93 |
| STD DEV | | | | 8.609 | 11.232 | 15.487 | 224.1 | 9.7 | 304.2 | 281.5 | 14.94 | 83.824 | 1.31 |
| NO OF SAMPLES | | | | 10 | 11 | 10 | 11 | 11 | 5 | 11 | 11 | 10 | 9 |

| TEST-NAME: | | | | ALUT | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 02 15 0900 | | .3 | 1 | | 0.030 | 0.030< | 0 010< | 0.210 |
| 80 03 14 1810 | | .3 | 1 | | 0.090 | 0.030< | 0 010< | 0.430 |
| 80 05 03 1500 | | .3 | 1 | 0 110 | 0.110 | 0.030< | 0 010< | 1.800 |
| 80 06 01 0915 | | .3 | 1 | 0.020< | 0 100 | 0.030< | 0 020 | 0.420 |
| 80 06 28 0830 | | .3 | 1 | 0.130 | 0.080 | 0.030< | 0 030 | 0.490 |
| 80 07 27 0905 | | 3 | 1 | 0.020< | 0.050 | 0 030< | 0 010< | 0.180 |
| 80 09 01 1740 | | .3 | 1 | 0.100 | 0.073 | 0.003< | 0.022 | 0.880 |
| 80 09 28 0840 | | .3 | 1 | | 0.073 | 0.003< | 0 01 | 0.49 |
| 80 11 08 1015 | | .3 | 1 | 0.010 | 0.250 | 0 003< | 0 050< | 0.160 |
| 80 12 07 1040 | | 3 | 1 | | 0.061 | 0.006< | 0.002< | 0.400 |
| MAXIMUM | | | | 0.130 | 0.250 | 0.030 | 0.050 | 1.800 |
| ARITH MEAN | | | | 0.065L | 0.092 | 0.019L | 0.01 L | 0.54 |
| GEOM MEAN | | | | 0.042L | 0.079 | 0.013L | 0.01 L | 0.41 |
| MINIMUM | | | | 0.010< | 0.030 | 0.003< | 0.002< | 0.160 |
| STD DEV | | | | 0.054L | 0.060 | 0.014L | 0.01 L | 0.48 |
| NO OF SAMPLES | | | | 6 | 10 | 10 | 10 | 10 |

B.O.W / SITE **VERMILION RIVER**
SAMPLE POINT **DNSTR.FROM JUNCTION WITH WHITSON RIVER**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SPANISH RIVER**

STATION ID **14-0028-006-02**
STORET CODE **02**
**002**
**7950**

LAT LONG U.T.M. **17 0477900.0 5152300.0 4** REGION **05** DISTANCE **127.778**

| TEST NAME: | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 15 1230 | | | .3 | 1 14522 | 6 8 | 0.0 | 13.0 | 0.017 | 0.006 | 0.146 | 0.320 | 0.007 | 0.198 |
| 80 03 15 0930 | | | .3 | 1 14560 | 4 6 8 | 0.0 | 12.0 | 0.024 | 0.012 | 0.190 | 0.420 | 0.007 | 0.268 |
| 80 05 03 1000 | | | .3 | 1 14588 | 3 6 8 | 13.0 | 12.0 | 0.020 | 0.001 | 0.036 | 0.225 | 0.004 | 0.096 |
| 80 05 31 1300 | | | .3 | 1 14619 | 6 8 | 17.0 | 11.0 | 0.034 | 0.016 | 0.186 | 0.420 | 0.007 | 0.053 |
| 80 06 27 1200 | | | .3 | 1 14648 | 6 8 | 21.0 | 11.0 | 0.021 | 0.001 | 0.040 | 0.260 | 0.002 | 0.023 |
| 80 07 26 0915 | | | .3 | 1 14678 | 6 8 | 22.0 | 11.0 | 0.015 | 0.004 | 0.036 | 0.250 | 0.004 | 0.132 |
| 80 09 01 0930 | | | .3 | 1 14707 | 6 8 | 20.0 | 10.0 | 0.030 | 0.002 | 0.058 | 0.300 | 0.004 | 0.145 |
| 80 09 27 0900 | | | .3 | 1 14735 | 6 8 | 12.0 | 12.0 | 0.011 | 0.002 | 0.040 | 0.280 | 0.004 | 0.191 |
| 80 11 08 1235 | | | .3 | 1 14769 | 6 8 | 1.0 | 10.0 | 0.011 | 0.002 | 0.044 | 0.230 | 0.017 | 0.890 |
| 80 12 06 0910 | | | .3 | 1 14791 | 6 8 | 0.0 | 11.0 | 0.010 | 0.003 | 0.082 | 0.250 | 0.074 | 0.166 |
| MAXIMUM | | | | | | 22.0 | 13.0 | 0.034 | 0.016 | 0.190 | 0.420 | 0.074 | 0.890 |
| ARITH MEAN | | | | | | 10.6 | 11.3 | 0.019 | 0.005 | 0.086 | 0.296 | 0.013 | 0.216 |
| GEOM MEAN | | | | | | 5.5 | 11.3 | 0.018 | 0.003 | 0.068 | 0.288 | 0.007 | 0.142 |
| MINIMUM | | | | | | 0.0 | 10.0 | 0.010 | 0.001 | 0.036 | 0.225 | 0.002 | 0.023 |
| STD DEV | | | | | | 9.5 | 0.9 | 0.008 | 0.005 | 0.063 | 0.072 | 0.022 | 0.247 |
| NO OF SAMPLES | | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 02 15 1230 | | | .3 | 1 | 0.351 | 0.174 | 0.525 | 86.0 | 0.9 | | 130.0 | 1.10 | 5.500 | |
| 80 03 15 0930 | | | .3 | 1 | 0.465 | 0.230 | 0.695 | 102.0 | 1.0 | | 155.0 | 1.40 | 8.250 | |
| 80 05 03 1000 | | | .3 | 1 | 0.136 | 0.189 | 0.325 | 59.0 | 20.0 | 39.000 | 60.0 | 3.20 | 1.750 | 6.92 |
| 80 05 31 1300 | | | .3 | 1 | 0.246 | 0.234 | 0.480 | 54.0 | 2.0 | 52.000 | 80.0 | 1.10 | 2.850 | 7.39 |
| 80 06 27 1200 | | | .3 | 1 | 0.065 | 0.220 | 0.285 | 77.0 | 12.0 | 65.000 | 100.0 | 2.40 | 3.500 | 7.62 |
| 80 07 26 0915 | | | .3 | 1 | 0.172 | 0.214 | 0.386 | 84.0 | 3.0 | 81.000 | 125.0 | 1.10 | 6.150 | 7.56 |
| 80 09 01 0930 | | | .3 | 1 | 0.207 | 0.242 | 0.449 | 108.0 | 21.0 | 87.000 | 134.0 | 1.00 | 6.550 | 7.35 |
| 80 09 27 0900 | | | .3 | 1 | 0.235 | 0.240 | 0.475 | 107.0 | 3.0 | 104.000 | 160.0 | 1.90 | 7.700 | 7.37 |
| 80 11 08 1235 | | | .3 | 1 | 0.951 | 0.186 | 1.137 | 65.0 | 3.0 | 62.000 | 95.0 | 1.30 | 3.850 | 7.16 |
| 80 12 06 0910 | | | .3 | 1 | 0.322 | 0.168 | 0.490 | 97.0 | 1.0 | 96.000 | 147.0 | 1.10 | 6.300 | 7.16 |
| MAXIMUM | | | | | 0.951 | 0.242 | 1.137 | 108.0 | 21.0 | 104.000 | 160.0 | 3.20 | 8.250 | 7.62 |
| ARITH MEAN | | | | | 0.315 | 0.210 | 0.525 | 83.9 | 6.7 | 73.250 | 118.6 | 1.56 | 5.240 | 7.32 |
| GEOM MEAN | | | | | 0.249 | 0.208 | 0.487 | 81.7 | 3.5 | 69.978 | 113.7 | 1.44 | 4.759 | 7.31 |
| MINIMUM | | | | | 0.065 | 0.168 | 0.285 | 54.0 | 0.9 | 39.000 | 60.0 | 1.00 | 1.750 | 6.92 |
| STD DEV | | | | | 0.251 | 0.028 | 0.243 | 19.8 | 8.0 | 22.461 | 33.5 | 0.73 | 2.152 | 0.23 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 8 | 10 | 10 | 10 | 8 |

B.O.W / SITE **WHITSON RIVER**
SAMPLE POINT **AT BRIDGE IN CHELMSFORD**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SPANISH RIVER**

STATION ID **14-0028-008-02**
STORET CODE **02**
**002**
**7950**

LAT LONG U.T.M. **17 0484700.0 5158600.0 4** REGION **05** DISTANCE **139.204**

| TEST-NAME | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 15 1130 | | | .3 | 1 14520 | 6 8 | 0.0 | 11.0 | 0.013 | 0.004 | 0.138 | 0.500 | 0.007 | 0.453 |
| 80 03 15 0830 | | | .3 | 1 14558 | 4 6 8 | 0.0 | 10.0 | 0.019 | 0.007 | 0.260 | 0.560 | 0.010 | 0.525 |
| 80 05 03 0905 | | | .3 | 1 14586 | 3 6 8 | 13.0 | 10.0 | 0.030 | 0.005 | 0.034 | 0.575 | 0.008 | 0.137 |
| 80 05 31 1200 | | | .3 | 1 14617 | 6 8 | 18.0 | 11.0 | 0.021 | 0.005 | 0.052 | 0.490 | 0.013 | 0.302 |
| 80 06 27 1135 | | | .3 | 1 14647 | 6 8 | 21.0 | 10.0 | 0.017 | 0.002 | 0.046 | 0.340 | 0.005 | 0.240 |
| 80 07 26 0845 | | | .3 | 1 14677 | 6 8 | 22.0 | 11.0 | 0.019 | 0.007 | 0.046 | 0.390 | 0.005 | 0.301 |
| 80 09 01 0900 | | | .3 | 1 14706 | 6 8 | 20.0 | 10.0 | 0.015 | 0.005 | 0.026 | 0.390 | 0.005 | 0.235 |
| 80 09 27 0830 | | | .3 | 1 14734 | 6 8 | 12.0 | 11.0 | 0.015 | 0.002 | 0.038 | 0.550 | 0.014 | 0.191 |
| 80 11 08 1210 | | | .3 | 1 14768 | 6 8 | 1.0 | 10.0 | 0.012 | 0.005 | 0.064 | 0.460 | 0.005 | 0.133 |
| 80 12 06 0840 | | | .3 | 1 14790 | 6 8 | 0.0 | 10.0 | 0.009 | 0.003 | 0.060 | 0.430 | 0.006 | 0.329 |
| MAXIMUM | | | | | | 22.0 | 11.0 | 0.030 | 0.007 | 0.260 | 0.575 | 0.014 | 0.525 |
| ARITH MEAN | | | | | | 10.7 | 10.4 | 0.017 | 0.004 | 0.076 | 0.468 | 0.008 | 0.285 |
| GEOM MEAN | | | | | | 5.5 | 10.4 | 0.016 | 0.004 | 0.059 | 0.462 | 0.007 | 0.260 |
| MINIMUM | | | | | | 0.0 | 10.0 | 0.009 | 0.002 | 0.026 | 0.340 | 0.005 | 0.133 |
| STD DEV | | | | | | 9.5 | 0.5 | 0.006 | 0.002 | 0.072 | 0.080 | 0.003 | 0.128 |
| NO OF SAMPLES | | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 02 15 1130 | | | .3 | 1 | 0.598 | 0.362 | 0.960 | 173.0 | 1.0 | | 475.0 | 2.00 | 19.000 | |
| 80 03 15 0830 | | | .3 | 1 | 0.795 | 0.300 | 1.095 | 246.0 | 2.0 | | 375.0 | 2.75 | 26.000 | |
| 80 05 03 0905 | | | .3 | 1 | 0.179 | 0.541 | 0.720 | 136.0 | 12.0 | 124.000 | 190.0 | 3.30 | 12.000 | 7.48 |
| 80 05 31 1200 | | | .3 | 1 | 0.367 | 0.438 | 0.805 | 179.0 | 3.0 | 176.000 | 270.0 | 2.50 | 0.500 | 7.82 |
| 80 06 27 1135 | | | .3 | 1 | 0.291 | 0.294 | 0.585 | 205.0 | 3.0 | 202.000 | 310.0 | 2.00 | 18.000 | 7.93 |
| 80 07 26 0845 | | | .3 | 1 | 0.352 | 0.344 | 0.696 | 199.0 | 4.0 | 195.000 | 300.0 | 1.50 | 18.000 | 7.98 |
| 80 09 01 0900 | | | .3 | 1 | 0.266 | 0.364 | 0.630 | 184.0 | 5.0 | 179.000 | 275.0 | 1.60 | 18.500 | 7.92 |
| 80 09 27 0830 | | | .3 | 1 | 0.243 | 0.512 | 0.755 | 154.0 | 4.0 | 150.000 | 23.0 | 1.70 | 17.000 | 7.76 |
| 80 11 08 1210 | | | .3 | 1 | 0.202 | 0.396 | 0.598 | 158.0 | 2.0 | 156.000 | 240.0 | 1.50 | 16.000 | 7.75 |
| 80 12 06 0840 | | | .3 | 1 | 0.395 | 0.370 | 0.765 | 184.0 | 2.0 | 182.000 | 280.0 | 1.60 | 21.000 | 7.42 |
| MAXIMUM | | | | | 0.795 | 0.541 | 1.095 | 246.0 | 12.0 | 202.000 | 475.0 | 3.30 | 26.000 | 7.98 |
| ARITH MEAN | | | | | 0.369 | 0.392 | 0.761 | 181.8 | 3.8 | 170.500 | 273.8 | 2.04 | 16.600 | 7.76 |
| GEOM MEAN | | | | | 0.332 | 0.386 | 0.747 | 179.5 | 3.0 | 168.678 | 226.9 | 1.97 | 12.608 | 7.76 |
| MINIMUM | | | | | 0.179 | 0.294 | 0.686 | 136.0 | 1.0 | 124.000 | 23.0 | 1.50 | 0.500 | 7.42 |
| STD DEV | | | | | 0.192 | 0.083 | 0.161 | 30.7 | 3.1 | 25.690 | 117.3 | 0.61 | 6.682 | 0.21 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 8 | 10 | 10 | 10 | 8 |

B.O.W./ SITE **VERMILION RIVER**
SAMPLE POINT **AT FOOT OF BASS LAKE UPSTR.FROM CAPREOL**
STATION TYPE **RIVER FLOW GAUGE FED 02CF100**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SPANISH RIVER**

STATION ID **14-0028-010-02**
STORET CODE **02**
**002**
**7950**

LAT LONG U T M **17 0503750.0 5173200.0 4** REGION **05** DISTANCE **221.440**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 16 1000 | | | .3 | 1 | 14529 | 4 6 8 | 0.0 | 13.0 | 0.018 | 0.002 | 0.050 | 0.260 | 0.005 | 0.155 |
| 80 03 15 1240 | | | .3 | 1 | 14567 | 4 6 8 | 0.0 | 12.0 | 0.005 | 0.001 | 0.040 | 0.250 | 0.003 | 0.157 |
| 80 05 04 1020 | | | .3 | 1 | 14602 | 6 8 | 14.0 | 12.0 | 0.010 | 0.001 | 0.012 | 0.290 | 0.002 | 0.088 |
| 80 05 31 1615 | | | .3 | 1 | 14626 | 6 8 | 17.0 | 12.0 | 0.009 | 0.001 | 0.018 | 0.240 | 0.002 | 0.028 |
| 80 06 27 1530 | | | .3 | 1 | 14655 | 6 8 | 21.0 | 12.0 | 0.011 | 0.001 | 0.046 | 0.150 | 0.006 | 0.044 |
| 80 07 26 1235 | | | .3 | 1 | 14685 | 6 8 | 21.0 | 11.0 | 0.014 | 0.002 | 0.038 | 0.22 | 0.002 | 0.042 |
| 80 09 01 1240 | | | .3 | 1 | 14714 | 6 8 | 20.0 | 12.0 | 0.015 | 0.006 | 0.088 | 0.170 | 0.002 | 0.053 |
| 80 09 28 1210 | | | .3 | 1 | 14750 | 6 8 | 12.0 | 12.0 | 0.003 | 0.003 | 0.180 | 0.210 | 0.002 | 0.163 |
| 80 11 09 1220 | | | .3 | 1 | 14780 | 6 8 | 1.0 | 12.0 | 0.014 | 0.001< | 0.224 | 0.270 | 0.019 | 0.121 |
| 80 12 06 1230 | | | .3 | 1 | 14798 | 6 8 | 0.0 | 13.0 | 0.019 | 0.005 | 0.152 | 0.340 | 0.110 | 0.105 |
| MAXIMUM | | | | | | | **21.0** | **13.0** | **0.019** | **0.006** | **0.224** | **0.340** | **0.110** | **0.163** |
| ARITH MEAN | | | | | | | **10.6** | **12.1** | **0.012** | **0.002L** | **0.085** | **0.24** | **0.015** | **0.096** |
| GEOM MEAN | | | | | | | **5.6** | **12.1** | **0.010** | **0.002L** | **0.068** | **0.23** | **0.006** | **0.081** |
| MINIMUM | | | | | | | **0.0** | **11.0** | **0.003** | **0.001<** | **0.012** | **0.150** | **0.002** | **0.028** |
| STD DEV | | | | | | | **9.4** | **0.6** | **0.005** | **0.002L** | **0.074** | **0.06** | **0.034** | **0.052** |
| NO OF SAMPLES | | | | | | | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 02 16 1000 | | | .3 | 1 | 0.210 | 0.210 | 0.420 | 177.0 | 21.0 | | 240.0 | 6.80 | 178.000 | |
| 80 03 15 1240 | | | .3 | 1 | 0.200 | 0.210 | 0.410 | 55.0 | 1.0 | | 83.0 | 1.50 | 1.750 | |
| 80 05 04 1020 | | | .3 | 1 | 0.102 | 0.278 | 0.380 | 32.0 | 1.0 | 31.000 | 48.0 | 0.70 | 0.700 | 7.02 |
| 80 05 31 1615 | | | .3 | 1 | 0.048 | 0.222 | 0.270 | 43.0 | 1.0 | 42.000 | 65.0 | 1.20 | 1.050 | 7.41 |
| 80 06 27 1530 | | | .3 | 1 | 0.096 | 0.104 | 0.200 | 48.0 | 2.0 | 46.000 | 70.0 | 1.10 | 1.350 | 7.46 |
| 80 07 26 1235 | | | .3 | 1 | 0.082 | 0.182 | 0.264 | 162 | 9 | 153 | 235 | 1.2 | 6.90 | 7.64 |
| 80 09 01 1240 | | | .3 | 1 | 0.143 | 0.082 | 0.225 | 75.0 | 3.0 | 72.000 | 110.0 | 0.95 | 5.300 | 7.20 |
| 80 09 28 1210 | | | .3 | 1 | 0.345 | 0.030 | 0.375 | 71.0 | 3.0 | 68.000 | 104.0 | 1.10 | 5.600 | 7.53 |
| 80 11 09 1220 | | | .3 | 1 | 0.364 | 0.046 | 0.410 | 57.0 | 2.0 | 55.000 | 85.0 | 0.95 | 3.450 | 7.15 |
| 80 12 06 1230 | | | .3 | 1 | 0.367 | 0.188 | 0.555 | 63.0 | 2.0 | 61.000 | 94.0 | 1.30 | 4.550 | 7.22 |
| MAXIMUM | | | | | **0.367** | **0.278** | **0.555** | **177.0** | **21.0** | **153** | **240.0** | **6.80** | **178.000** | **7.64** |
| ARITH MEAN | | | | | **0.196** | **0.155** | **0.351** | **78** | **4** | **66** | **113** | **1.6** | **20.86** | **7.33** |
| GEOM MEAN | | | | | **0.160** | **0.127** | **0.335** | **67** | **2** | **59** | **99** | **1.3** | **3.97** | **7.33** |
| MINIMUM | | | | | **0.048** | **0.030** | **0.200** | **32.0** | **1.0** | **31.000** | **48.0** | **0.70** | **0.700** | **7.02** |
| STD DEV | | | | | **0.123** | **0.084** | **0.109** | **49** | **6** | **37** | **67** | **1.8** | **55.25** | **0.21** |
| NO OF SAMPLES | | | | | **10** | **10** | **10** | **10** | **10** | **8** | **10** | **10** | **10** | **8** |

| TEST-NAME: | | | | | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT MG/L AS NI |
| 80 02 16 1000 | | | .3 | 1 | 0.020 | 0.040 | 0.020 | 0.020< |
| 80 03 15 1240 | | | .3 | 1 | 0.010< | 0.030< | 0.010< | 0.020< |
| 80 05 04 1020 | | | .3 | 1 | 0.010< | 0.030< | 0.010< | 0.020< |
| 80 05 31 1615 | | | .3 | 1 | 0.010< | 0.030< | 0.010< | 0.020< |
| 80 06 27 1530 | | | .3 | 1 | 0.010< | 0.030< | 0.010 | 0.020< |
| 80 07 26 1235 | | | .3 | 1 | 0.010< | 0.030< | 0.010< | 0.020< |
| 80 09 01 1240 | | | .3 | 1 | 0.001< | 0.003< | 0.002 | 0.005 |
| 80 09 28 1210 | | | .3 | 1 | 0.001< | 0.003< | 0.001< | 0.004 |
| 80 11 09 1220 | | | .3 | 1 | 0.003 | 0.003< | 0.006 | 0.006 |
| 80 12 06 1230 | | | .3 | 1 | 0.002 | 0.003< | 0.007 | 0.004 |
| MAXIMUM | | | | | **0.020** | **0.040** | **0.020** | **0.020** |
| ARITH MEAN | | | | | **0.008L** | **0.020L** | **0.009L** | **0.014L** |
| GEOM MEAN | | | | | **0.005L** | **0.012L** | **0.007L** | **0.011L** |
| MINIMUM | | | | | **0.001<** | **0.003<** | **0.001<** | **0.004<** |
| STD DEV | | | | | **0.006L** | **0.015L** | **0.005L** | **0.008L** |
| NO OF SAMPLES | | | | | **10** | **10** | **10** | **10** |

B.O.W./ SITE **ONAPING RIVER**
SAMPLE POINT **1 MILES UPSTREAM FROM HIGH FALLS**
STATION TYPE **RIVER FLOW GAUGE FED 02CF010**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SPANISH RIVER**

STATION ID **14-0028-012-02**
STORET CODE **02**
**002**
**7950**

LAT LONG U T M **17 0470800.0 5161100.0 4** REGION **05** DISTANCE **171.873**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 02 15 1325 | | | .3 | 1 | 14524 | 4 6 8 | 3.950 | 0.0 | 13.0 | 0.007 | 0.001 | 0.058 | 0.230 | 0.003 |
| 80 03 15 1025 | | | .3 | 1 | 14562 | 4 6 8 | 3.400 | 0.0 | 12.0 | 0.009 | 0.001< | 0.068 | 0.260 | 0.004 |
| 80 05 03 1050 | | | .3 | 1 | 14590 | 3 6 8 | 37.500 | 12.0 | 12.0 | 0.012 | 0.002 | 0.100 | 0.275 | 0.006 |
| 80 05 31 1350 | | | .3 | 1 | 14621 | 6 8 | 11.700 | 17.0 | 12.0 | 0.012 | 0.004 | 0.022 | 0.250 | 0.003 |
| 80 06 27 1255 | | | .3 | 1 | 14650 | 6 8 | 5.560 | 21.0 | 11.0 | 0.019 | 0.005 | 0.076 | 0.290 | 0.019 |
| 80 07 26 1005 | | | .3 | 1 | 14680 | 6 8 | 3.740 | 21.0 | 12.0 | 0.013 | 0.002 | 0.068 | 0.32 | 0.011 |
| 80 09 01 1025 | | | .3 | 1 | 14709 | 6 8 | 2.680 | 20.0 | 11.0 | 0.015 | 0.010 | 0.068 | 0.210 | 0.009 |
| 80 09 27 0955 | | | .3 | 1 | 14737 | 6 8 | 8.390 | 12.0 | 12.0 | 0.049 | 0.020 | 0.062 | 0.330 | 0.003 |
| 80 11 08 1330 | | | .3 | 1 | 14771 | 6 8 | 8.440 | 1.0 | 11.0 | 0.008 | 0.001< | 0.026 | 0.200 | 0.005 |
| 80 12 06 1000 | | | .3 | 1 | 14793 | 6 8 | 4.400 | 0.0 | 11.0 | 0.012 | 0.004 | 0.110 | 0.260 | 0.007 |
| MAXIMUM | | | | | | | **37.500** | **21.0** | **13.0** | **0.049** | **0.020** | **0.110** | **0.330** | **0.019** |
| ARITH MEAN | | | | | | | **8.976** | **10.4** | **11.7** | **0.016** | **0.005L** | **0.066** | **0.26** | **0.007** |
| GEOM MEAN | | | | | | | **6.324** | **5.4** | **11.7** | **0.013** | **0.003L** | **0.059** | **0.25** | **0.006** |
| MINIMUM | | | | | | | **2.680** | **0.0** | **11.0** | **0.007** | **0.001<** | **0.022** | **0.200** | **0.003** |
| STD DEV | | | | | | | **10.423** | **9.3** | **0.7** | **0.012** | **0.006L** | **0.028** | **0.04** | **0.005** |
| NO OF SAMPLES | | | | | | | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** |

(CONTD)

B O W / SITE **ONAPING RIVER**
SAMPLE POINT **1 MILES UPSTREAM FROM HIGH FALLS**
STATION TYPE **RIVER FLOW GAUGE FED 02CF010**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SPANISH RIVER**

STATION ID **14-0028-012-02**
STORET CODE **02**
**002**
**7950**

LAT LONG U T M **17 0470800.0 5161100.0 4** REGION **05** DISTANCE **171.873**

| TEST-NAME | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 02 15 1325 | | 3 | 1 | 0.147 | 0.208 | 0.172 | 0.380 | 157.0 | 0.9 | | 240.0 | 1.50 | 1.200 |
| 80 03 15 1025 | | 3 | 1 | 0.166 | 0.238 | 0.192 | 0.430 | 47.0 | 0.4 | | 72.0 | 0.80 | 1.450 |
| 80 05 03 1050 | | 3 | 1 | 0.124 | 0.230 | 0.175 | 0.405 | 102.0 | 14.0 | 88.000 | 135.0 | 1.70 | 20.000 |
| 80 05 31 1350 | | 3 | 1 | 0.047 | 0.072 | 0.228 | 0.300 | 70.0 | 2.0 | 68.000 | 105.0 | 1.20 | 5.400 |
| 80 06 27 1255 | | 3 | 1 | 0.051 | 0.146 | 0.214 | 0.360 | 92.0 | 4.0 | 88.000 | 135.0 | 0.95 | 5.900 |
| 80 07 26 1005 | | 3 | 1 | 0.202 | 0.281 | 0.252 | 0.533 | 146 | 3 | 143 | 220 | 1.4 | 15.0 |
| 80 09 01 1025 | | 3 | 1 | 0.166 | 0.243 | 0.142 | 0.385 | 113.0 | 2.0 | 111.000 | 170.0 | 0.75 | 10.500 |
| 80 09 27 0955 | | 3 | 1 | 0.237 | 0.302 | 0.268 | 0.570 | 147.0 | 4.0 | 143.000 | 220.0 | 1.70 | 13.000 |
| 80 11 08 1330 | | 3 | 1 | 0.115 | 0.146 | 0.174 | 0.320 | 70.0 | 2.0 | 68.000 | 104.0 | 1.40 | 5.500 |
| 80 12 06 1000 | | 3 | 1 | 0.171 | 0.288 | 0.150 | 0.438 | 163.0 | 4.0 | 159.000 | 245.0 | 1.10 | 11.000 |
| **MAXIMUM** | | | | **0.237** | **0.302** | **0.268** | **0.570** | **163.0** | **14.0** | **159.000** | **245.0** | **1.70** | **20.000** |
| **ARITH MEAN** | | | | **0.143** | **0.215** | **0.197** | **0.412** | **110** | **3** | **108** | **164** | **1.2** | **8.8** |
| **GEOM MEAN** | | | | **0.127** | **0.200** | **0.193** | **0.404** | **103** | **2** | **103** | **152** | **1.2** | **6.5** |
| **MINIMUM** | | | | **0.047** | **0.072** | **0.142** | **0.300** | **47.0** | **0.4** | **68.000** | **72.0** | **0.75** | **1.200** |
| **STD DEV** | | | | **0.061** | **0.074** | **0.042** | **0.088** | **41** | **3** | **35** | **63** | **0.3** | **6.0** |
| **NO OF SAMPLES** | | | | **10** | **10** | **10** | **10** | **10** | **10** | **8** | **10** | **10** | **10** |

| TEST-NAME | | | | PH | ASUT | ALUT | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PH | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 02 15 1325 | | 3 | 1 | | 0.001< | 0.110 | 0.110 | 0.030< | 0.100 | 2.600 |
| 80 03 15 1025 | | 3 | 1 | | 0.001< | 0.020< | | 0.030< | 0.010< | 0.020< |
| 80 05 03 1050 | | 3 | 1 | 6.34 | 0.001 | 0.240 | 0.020 | 0.030< | 0.020 | 0.020< |
| 80 05 31 1350 | | 3 | 1 | 6.97 | 0.001< | 0.040 | 0.010 | 0.030< | 0.010< | 0.160 |
| 80 06 27 1255 | | 3 | 1 | 7.02 | 0.001< | 0.900 | 0.030 | 0.030< | 0.010 | 0.180 |
| 80 07 26 1005 | | 3 | 1 | 6.82 | 0.001< | 0.380 | 0.090 | 0.030< | 0.040 | 1.200 |
| 80 09 01 1025 | | 3 | 1 | 7.12 | 0.001< | 0.10 | 0.024 | 0.003< | 0.011 | 0.40 |
| 80 09 27 0955 | | 3 | 1 | 6.71 | 0.001< | 0.32 | 0.090 | 0.003< | 0.021 | 0.68 |
| 80 11 08 1330 | | 3 | 1 | 6.60 | 0.001< | 0.170 | 0.022 | 0.003< | 0.010 | 0.230 |
| 80 12 06 1000 | | 3 | 1 | 6.89 | 0.001< | 0.250 | 0.025 | 0.003< | 0.020 | 0.340 |
| **MAXIMUM** | | | | **7.12** | **0.001** | **0.900** | **0.110** | **0.030** | **0.100** | **2.600** |
| **ARITH MEAN** | | | | **6.81** | **0.001L** | **0.25 L** | **0.047** | **0.019L** | **0.025L** | **0.58 L** |
| **GEOM MEAN** | | | | **6.80** | **0.001L** | **0.15 L** | **0.035** | **0.012L** | **0.018L** | **0.24 L** |
| **MINIMUM** | | | | **6.34** | **0.001<** | **0.020<** | **0.010** | **0.003<** | **0.010<** | **0.020<** |
| **STD DEV** | | | | **0.25** | **0.000L** | **0.25 L** | **0.038** | **0.014L** | **0.028L** | **0.79 L** |
| **NO OF SAMPLES** | | | | **8** | **10** | **10** | **9** | **10** | **10** | **10** |

B O W / SITE **ONAPING RIVER**
SAMPLE POINT **UPSTREAM FROM LEVACK SEPTIC TANK**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SPANISH RIVER**

STATION ID **14-0028-013-02**
STORET CODE **02**
**002**
**7950**

LAT LONG U T M **17 0469400.0 5165450.0 4** REGION **05** DISTANCE **177.345**

| TEST-NAME | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 15 1350 | | .3 | 1 | 14525 | 4 6 8 | 0.0 | 13.0 | 0.007 | 0.001< | 0.060 | 0.190 | 0.003 | 0.142 |
| 80 03 15 1055 | | 3 | 1 | 14563 | 4 6 8 | 0.0 | 12.0 | 0.006 | 0.001< | 0.072 | 0.240 | 0.004 | 0.151 |
| 80 05 03 1115 | | 3 | 1 | 14591 | 3 6 8 | 12.0 | 13.0 | 0.008 | 0.001 | 0.020 | 0.200 | 0.002 | 0.068 |
| 80 05 31 1415 | | 3 | 1 | 14622 | 6 8 | 17.0 | 12.0 | 0.009 | 0.003 | 0.014 | 0.210 | 0.002 | 0.013 |
| 80 06 27 1315 | | 3 | 1 | 14651 | 6 8 | 21.0 | 12.0 | 0.007 | 0.001< | 0.022 | 0.190 | 0.008 | 0.022 |
| 80 07 26 1030 | | 3 | 1 | 14681 | 6 8 | 21.0 | 12.0 | 0.009 | 0.001 | 0.038 | 0.35 | 0.003 | 0.041 |
| 80 09 01 1100 | | 3 | 1 | 14710 | 6 8 | 20.0 | 12.0 | 0.005 | 0.002 | 0.026 | 0.170 | 0.004 | 0.046 |
| 80 09 27 1025 | | .3 | 1 | 14738 | 6 8 | 12.0 | 12.0 | 0.050 | 0.039 | 0.036 | 0.270 | 0.003 | 0.077 |
| 80 11 08 1400 | | 3 | 1 | 14772 | 6 8 | 1.0 | 12.0 | 0.005 | 0.001< | 0.010 | 0.180 | 0.001 | 0.059 |
| 80 12 06 1025 | | 3 | 1 | 14794 | 6 8 | 0.0 | 12.0 | 0.006 | 0.002 | 0.028 | 0.170 | 0.002 | 0.103 |
| **MAXIMUM** | | | | | | **21.0** | **13.0** | **0.050** | **0.039** | **0.072** | **0.35** | **0.008** | **0.151** |
| **ARITH MEAN** | | | | | | **10.4** | **12.2** | **0.011** | **0.005L** | **0.033** | **0.21** | **0.003** | **0.072** |
| **GEOM MEAN** | | | | | | **5.4** | **12.2** | **0.008** | **0.002L** | **0.028** | **0.21** | **0.003** | **0.057** |
| **MINIMUM** | | | | | | **0.0** | **12.0** | **0.005** | **0.001<** | **0.010** | **0.170** | **0.001** | **0.013** |
| **STD DEV** | | | | | | **9.3** | **0.4** | **0.014** | **0.012L** | **0.020** | **0.06** | **0.002** | **0.047** |
| **NO OF SAMPLES** | | | | | | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** |

| TEST-NAME | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 02 15 1350 | | .3 | 1 | 0.205 | 0.130 | 0.335 | 42.0 | 2.0 | | 62.0 | 1.50 | 1.100 | |
| 80 03 15 1055 | | 3 | 1 | 0.227 | 0.168 | 0.395 | 46.0 | 0.1 | | 71.0 | 6.75 | 1.150 | |
| 80 05 03 1115 | | 3 | 1 | 0.090 | 0.180 | 0.270 | 27.0 | 2.0 | 25.000 | 38.0 | 0.70 | 0.350 | 6.61 |
| 80 05 31 1415 | | 3 | 1 | 0.029 | 0.196 | 0.225 | 32.0 | 1.0< | 32.000 | 49.0 | 0.75 | 0.400 | 7.25 |
| 80 06 27 1315 | | 3 | 1 | 0.052 | 0.168 | 0.220 | 38.0 | 2.0 | 36.000 | 55.0 | 1.20 | 0.500 | 7.13 |
| 80 07 26 1030 | | 3 | 1 | 0.082 | 0.312 | 0.394 | 41 | 2 | 39 | 60 | 1.5 | 1.05 | 6.94 |
| 80 09 01 1100 | | .3 | 1 | 0.076 | 0.144 | 0.220 | 51.0 | 2.0 | 49.000 | 75.0 | 0.50 | 1.150 | 6.99 |
| 80 09 27 1025 | | 3 | 1 | 0.116 | 0.234 | 0.350 | 45.0 | 9.0 | 44.000 | 68.0 | 0.79 | 1.250 | 6.81 |
| 80 11 08 1400 | | 3 | 1 | 0.070 | 0.170 | 0.240 | 41.0 | 0.8 | 40.000 | 62.0 | 0.60 | 1.050 | 6.70 |
| 80 12 06 1025 | | 3 | 1 | 0.133 | 0.142 | 0.275 | 50.0 | 3.0 | 47.000 | 72.0 | 7.70 | 1.350 | 6.78 |
| **MAXIMUM** | | | | **0.227** | **0.312** | **0.395** | **51.0** | **9.0** | **49.000** | **75.0** | **7.70** | **1.350** | **7.25** |
| **ARITH MEAN** | | | | **0.108** | **0.184** | **0.292** | **41** | **2 L** | **39** | **61** | **2.2** | **0.93** | **6.90** |
| **GEOM MEAN** | | | | **0.092** | **0.179** | **0.285** | **40** | **1 L** | **38** | **60** | **1.3** | **0.84** | **6.90** |
| **MINIMUM** | | | | **0.029** | **0.130** | **0.220** | **27.0** | **0.1<** | **25.000** | **38.0** | **0.50** | **0.350** | **6.61** |
| **STD DEV** | | | | **0.064** | **0.054** | **0.070** | **7** | **2 L** | **7** | **11** | **2.6** | **0.37** | **0.22** |
| **NO OF SAMPLES** | | | | **10** | **10** | **10** | **10** | **10** | **8** | **10** | **10** | **10** | **8** |

(CONTD)

| TEST-NAME: | | | | ASUT | ALUT | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 02 15 1350 | | .3 | 1 | 0.001< | 0.100 | 0.040 | 0.030< | 0.020 | 0.940 |
| 80 03 15 1055 | | .3 | 1 | 0.001< | 0.020< | 0.010< | 0.030 | 0.010< | 0.020< |
| 80 05 03 1115 | | .3 | 1 | 0.001 | 0.060 | 0.010< | 0.030< | 0.010< | 0.020< |
| 80 05 31 1415 | | .3 | 1 | 0.001< | 0.020< | 0.010< | 0.030< | 0.010< | 0.020< |
| 80 06 27 1315 | | .3 | 1 | 0.001< | 0.210 | 0.010< | 0.030< | 0.010 | 0.020< |
| 80 07 26 1030 | | .3 | 1 | 0.001< | 0.160 | 0.010< | 0.030< | 0.010 | 0.040 |
| 80 09 01 1100 | | .3 | 1 | 0.001< | 0.064 | 0.001< | 0.003< | 0.006 | 0.002< |
| 80 09 27 1025 | | .3 | 1 | 0.001 | 0.058 | 0.002 | 0.003< | 0.009 | 0.002< |
| 80 11 08 1400 | | .3 | 1 | 0.001< | 0.052 | 0.001< | 0.003< | 0.007 | 0.002< |
| 80 12 06 1025 | | .3 | 1 | 0.001< | 0.080 | 0.002 | 0.003< | 0.013 | 0.004 |
| MAXIMUM | | | | 0.001 | 0.210 | 0.040 | 0.030 | 0.020 | 0.940 |
| ARITH MEAN | | | | 0.001L | 0.082L | 0.010L | 0.019L | 0.010L | 0.107L |
| GEOM MEAN | | | | 0.001L | 0.064L | 0.005L | 0.012L | 0.010L | 0.013L |
| MINIMUM | | | | 0.001< | 0.020< | 0.001< | 0.003< | 0.006< | 0.002< |
| STD DEV | | | | 0.000L | 0.060L | 0.011L | 0.014L | 0.004L | 0.293L |
| NO OF SAMPLES | | | | 10 | 10 | 10 | 10 | 10 | 10 |

B.O.W./SITE **JUNCTION CREEK**
SAMPLE POINT **DOWNSTREAM FROM CARSON STP**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SPANISH RIVER**

STATION ID **14-0028-017-02**
STORET CODE **02**
**002**
**7950**

LAT
LONG
U.T.M. **17 0507500.0 5154450.0 4**
REGION **05**
DISTANCE **146.124**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 16 1250 | | .3 | 1 | 14533 | 4 6 8 | 0.0 | 7.0 | 0.268 | 0.250 | 2.000 | 2.490 | 0.790 | 3.510 |
| 80 03 15 1445 | | .3 | 1 | 14571 | 4 6 8 | 0.0 | 8.0 | 0.278 | 0.250 | 1.950 | 2.310 | 0.650 | 3.800 |
| MAXIMUM | | | | | | 0 | 8.0 | 0.278 | 0.250 | 2.000 | 2.490 | 0.790 | 3.800 |
| ARITH MEAN | | | | | | 0.0 | 7.5 | 0.273 | 0.250 | 1.975 | 2.400 | 0.720 | 3.655 |
| GEOM MEAN | | | | | | | 7.5 | 0.273 | 0.250 | 1.975 | 2.398 | 0.717 | 3.652 |
| MINIMUM | | | | | | 0.0 | 7.0 | 0.268 | 0.250 | 1.950 | 2.310 | 0.650 | 3.510 |
| STD DEV | | | | | | | 0.7 | 0.007 | 0.000 | 0.035 | 0.127 | 0.099 | 0.205 |
| NO OF SAMPLES | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | NNTIFR | NNKUR | NNKI | RST | RSP | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 02 16 1250 | | .3 | 1 | 6.300 | 0.490 | 6.790 | 662.0 | 7.0 | 940.0 | 2.40 | |
| 80 03 15 1445 | | .3 | 1 | 6.400 | 0.360 | 6.760 | 655.0 | 2.0 | 1000.0 | 0.85 | 105.000 |
| MAXIMUM | | | | 6.400 | 0.490 | 6.790 | 662.0 | 7.0 | 1000.0 | 2.40 | 105.000 |
| ARITH MEAN | | | | 6.350 | 0.425 | 6.775 | 658.5 | 4.5 | 970.0 | 1.62 | 105.000 |
| GEOM MEAN | | | | 6.350 | 0.420 | 6.775 | 658.5 | 3.7 | 969.5 | 1.43 | |
| MINIMUM | | | | 6.300 | 0.360 | 6.760 | 655.0 | 2.0 | 940.0 | 0.85 | 105.000 |
| STD DEV | | | | 0.071 | 0.092 | 0.021 | 4.9 | 3.5 | 42.4 | 1.10 | |
| NO OF SAMPLES | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |

B.O.W./SITE **MOOSE CREEK**
SAMPLE POINT **DOWNSTREAM OF LEVACK**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SPANISH RIVER**

STATION ID **14-0028-018-02**
STORET CODE **02**
**002**
**7950**

LAT
LONG
U.T.M. **17 0470050.0 5164500.0 4**
REGION **05**
DISTANCE **176.540**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 15 1420 | | .3 | 1 | 14526 | 4 6 8 | 0.0 | 8.0 | 0.008 | 0.001< | 1.960 | 2.200 | 0.235 | 1.720 |
| 80 03 15 1110 | | .3 | 1 | 14564 | 4 6 8 | 0.0 | 9.0 | 0.015 | 0.001< | 2.020 | 2.630 | 0.380 | 1.620 |
| 80 05 03 1140 | | .3 | 1 | 14592 | 3 6 8 | 13.0 | 8.0 | 0.015 | 0.002 | 0.510 | 0.925 | 0.048 | 0.307 |
| 80 05 31 1440 | | .3 | 1 | 14623 | 6 8 | 18.0 | 7.0 | 0.008 | 0.001 | 0.510 | 0.750 | 0.010 | 0.430 |
| 80 06 27 1335 | | .3 | 1 | 14652 | 6 8 | 23.0 | 8.0 | 0.005 | 0.003 | 0.354 | 0.460 | 0.067 | 0.388 |
| 80 07 26 1055 | | .3 | 1 | 14682 | 6 8 9 | 22.0 | 7.0 | 0.008 | 0.001 | 0.57 | 0.82 | 0.135 | 0.880 |
| 80 09 01 1120 | | .3 | 1 | 14711 | 6 8 9 | 20.0 | 8.0 | 0.010 | 0.003 | 0.830 | 1.200 | 0.365 | 2.030 |
| 80 09 27 1045 | | .3 | 1 | 14739 | 6 8 9 | 13.0 | 8.0 | 0.340 | 0.002 | 0.580 | 0.800 | 0.070 | 0.980 |
| 80 11 08 1425 | | .3 | 1 | 14773 | 6 8 9 | 1.0 | 7.0 | 0.003 | 0.001< | 0.880 | 0.990 | 0.155 | 1.040 |
| 80 12 06 1050 | | .3 | 1 | 14795 | 6 8 9 | 1.0 | 7.0 | 0.007 | 0.001< | 0.810 | 0.970 | 0.080 | 0.545 |
| MAXIMUM | | | | | | 23.0 | 9.0 | 0.340 | 0.003 | 2.020 | 2.630 | 0.380 | 2.030 |
| ARITH MEAN | | | | | | 11.1 | 7.7 | 0.042 | 0.002L | 0.90 | 1.17 | 0.154 | 0.994 |
| GEOM MEAN | | | | | | 5.6 | 7.7 | 0.012 | 0.001L | 0.76 | 1.03 | 0.102 | 0.822 |
| MINIMUM | | | | | | 0.0 | 7.0 | 0.003 | 0.001< | 0.354 | 0.460 | 0.010 | 0.307 |
| STD DEV | | | | | | 9.7 | 0.7 | 0.105 | 0.001L | 0.59 | 0.68 | 0.131 | 0.612 |
| NO OF SAMPLES | | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

(CONTD)

B O W / SITE **MOOSE CREEK**
SAMPLE POINT **DOWNSTREAM OF LEVACK**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SPANISH RIVER**

STATION ID **14-0028-018-02**
STORET CODE **02**
**002**
**7950**

LAT LONG U T M **17 0470050.0 5164500.0 4** REGION **05** DISTANCE **176.540**

| TEST-NAME: | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 02 15 1420 | | .3 | 1 | 3.915 | 0.240 | 4.155 | 1316.0 | 12.0 | | 1650.0 | 12.00 | 208.000 | |
| 80 03 15 1110 | | .3 | 1 | 4.020 | 0.610 | 4.630 | 1087.0 | 12.0 | | 1400.0 | 6.80 | 100.000 | |
| 80 05 03 1140 | | .3 | 1 | 0.865 | 0.415 | 1.280 | 554.0 | 18.0 | | 700.0 | 9.80 | 47.000 | 6.09 |
| 80 05 31 1440 | | .3 | 1 | 0.950 | 0.240 | 1.190 | 853.0 | 4.0 | | 1050.0 | 3.00 | 80.500 | 5.41 |
| 80 06 27 1335 | | .3 | 1 | 0.809 | 0.106 | 0.915 | 984.0 | 3.0 | 981.0 | 1150.0 | 3.30 | 70.000 | 6.82 |
| 80 07 26 1055 | | .3 | 1 | 1.585 | 0.250 | 1.835 | 857 | 5 | 852 | 1100 | 3.8 | 75.0 | 4.87 |
| 80 09 01 1120 | | .3 | 1 | 3.225 | 0.370 | 3.595 | 854.0 | 7.0 | 847.0 | 1400.0 | 8.00 | 104.000 | 6.15 |
| 80 09 27 1045 | | .3 | 1 | 1.630 | 0.220 | 1.850 | 808.0 | 11.0 | | 1100.0 | 9.50 | 80.000 | 6.19 |
| 80 11 08 1425 | | .3 | 1 | 2.075 | 0.110 | 2.185 | 913.0 | 14.0 | | 1180.0 | 0.95 | 74.000 | 4.84 |
| 80 12 06 1050 | | .3 | 1 | 1.435 | 0.160 | 1.595 | 1031.0 | 5.0 | | 1300.0 | 3.20 | 86.000 | 6.67 |
| **MAXIMUM** | | | | **4.020** | **0.610** | **4.630** | **1316.0** | **18.0** | **981.0** | **1650.0** | **12.00** | **208.000** | **6.82** |
| **ARITH MEAN** | | | | **2.051** | **0.272** | **2.323** | **925** | **9** | **893** | **1203** | **6.0** | **92.4** | **5.88** |
| **GEOM MEAN** | | | | **1.744** | **0.237** | **2.022** | **905** | **7** | **891** | **1176** | **4.8** | **85.9** | **5.84** |
| **MINIMUM** | | | | **0.809** | **0.106** | **0.915** | **554.0** | **3.0** | **847.0** | **700.0** | **0.95** | **47.000** | **4.84** |
| **STD DEV** | | | | **1.232** | **0.156** | **1.319** | **200** | **5** | **76** | **255** | **3.6** | **43.5** | **0.76** |
| **NO OF SAMPLES** | | | | **10** | **10** | **10** | **10** | **10** | **3** | **10** | **10** | **10** | **8** |

| TEST-NAME | | | | ASUT | ALUT | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 02 15 1420 | | .3 | 1 | 0.001< | 0.630 | 0.090 | 0.030< | 0.030 | 0.800 |
| 80 03 15 1110 | | .3 | 1 | 0.001< | 0.460 | 0.060 | 0.030< | 0.040 | 1.800 |
| 80 05 03 1140 | | .3 | 1 | 0.001 | 1.000 | 0.220 | 0.030< | 0.060 | 2.300 |
| 80 05 31 1440 | | .3 | 1 | 0.001< | 1.100 | 0.180 | 0.030< | 0.070 | 2.600 |
| 80 06 27 1335 | | .3 | 1 | 0.001< | 0.220 | 0.040 | 0.030< | 0.040 | 1.500 |
| 80 07 26 1055 | | .3 | 1 | 0.001< | 2.600 | 0.460 | 0.030< | 0.160 | 5.400 |
| 80 09 01 1120 | | .3 | 1 | 0.001< | 0.86 | 0.20 | 0.003< | 0.089 | 4.5 |
| 80 09 27 1045 | | .3 | 1 | 0.001< | 1.1 | 0.32 | 0.004 | 0.090 | 3.5 |
| 80 11 08 1425 | | .3 | 1 | 0.001< | 2.700 | 0.350 | 0.003< | 0.160 | 4.400 |
| 80 12 06 1050 | | .3 | 1 | 0.001< | 0.490 | 0.096 | 0.003< | 0.051 | 2.100 |
| **MAXIMUM** | | | | **0.001** | **2.700** | **0.460** | **0.030** | **0.160** | **5.400** |
| **ARITH MEAN** | | | | **0.001L** | **1.1** | **0.20** | **0.019L** | **0.079** | **2.8** |
| **GEOM MEAN** | | | | **0.001L** | **0.8** | **0.15** | **0.012L** | **0.068** | **2.5** |
| **MINIMUM** | | | | **0.001<** | **0.220** | **0.040** | **0.003<** | **0.030** | **0.800** |
| **STD DEV** | | | | **0.000L** | **0.8** | **0.13** | **0.014L** | **0.047** | **1.4** |
| **NO OF SAMPLES** | | | | **10** | **10** | **10** | **10** | **10** | **10** |

B O W / SITE **SPANISH RIVER**
SAMPLE POINT **AT HIGH FALLS**
STATION TYPE **RIVER FLOW GAUGE FED 02CF004**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SPANISH RIVER**

STATION ID **14-0028-020-02**
STORET CODE **02**
**002**
**7950**

LAT LONG U T M **17 0456100.0 5136200.0 4** REGION **05** DISTANCE **85.454**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 02 09 0940 | | .3 | 1 | 14504 | 6 8 | 68.500 | 0.0 | 12.0 | 0.007 | 0.001 | 0.032 | 0.260 | 0.002 |
| 80 03 07 1035 | | .3 | 1 | 14544 | 6 8 | 55.400 | 0.0 | 12.0 | 0.005 | 0.001 | 0.020 | 0.280 | 0.002 |
| 80 04 26 1300 | | .3 | 1 | 14581 | 6 8 3 | 210.000 | 12.0 | 12.0 | 0.010 | 0.001 | 0.044 | 0.270 | 0.003 |
| 80 05 31 0910 | | .3 | 1 | 14614 | 6 8 | 69.400 | 17.0 | 12.0 | 0.007 | 0.001< | 0.016 | 0.280 | 0.003 |
| 80 06 27 0910 | | .3 | 1 | 14644 | 6 8 | 57.600 | 21.0 | 11.0 | 0.036 | 0.023 | 0.040 | 0.230 | 0.010 |
| 80 07 25 1840 | | .3 | 1 | 14674 | 6 8 | 57.100 | 21.0 | 11.0 | 0.010 | 0.004 | 0.070 | 0.250 | 0.003 |
| 80 08 29 1930 | | .3 | 1 | 14704 | 6 8 | 41.200 | 20.0 | 11.0 | 0.007 | 0.003 | 0.018 | 0.170 | 0.002 |
| 80 09 26 1500 | | .3 | 1 | 14732 | 6 8 | 51.100 | 12.0 | 12.0 | 0.001 | 0.002 | 0.030 | 0.210 | 0.001 |
| 80 11 01 1345 | | .3 | 1 | 14760 | 6 8 | 47.900 | 1.0 | 12.0 | 0.006 | 0.001< | 0.024 | 0.270 | 0.001 |
| 80 12 05 1545 | | .3 | 1 | 14788 | 6 8 | 58.500 | 0.0 | 11.0 | 0.010 | 0.005 | 0.028 | 0.290 | 0.002 |
| **MAXIMUM** | | | | | | **210.000** | **21.0** | **12.0** | **0.036** | **0.023** | **0.070** | **0.290** | **0.010** |
| **ARITH MEAN** | | | | | | **71.670** | **10.4** | **11.6** | **0.010** | **0.004L** | **0.032** | **0.251** | **0.003** |
| **GEOM MEAN** | | | | | | **63.643** | **5.4** | **11.6** | **0.007** | **0.002L** | **0.029** | **0.248** | **0.002** |
| **MINIMUM** | | | | | | **41.200** | **0.0** | **11.0** | **0.001** | **0.001<** | **0.016** | **0.170** | **0.001** |
| **STD DEV** | | | | | | **49.346** | **9.3** | **0.5** | **0.010** | **0.007L** | **0.016** | **0.038** | **0.003** |
| **NO OF SAMPLES** | | | | | | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** |

| TEST-NAME: | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 02 09 0940 | | .3 | 1 | 0.125 | 0.159 | 0.228 | 0.387 | 33.0 | 0.4 | | 50.0 | 0.60 | 0.900 |
| 80 03 07 1035 | | .3 | 1 | 0.123 | 0.145 | 0.260 | 0.405 | 34.0 | 0.6 | | 51.0 | 6.50 | 0.850 |
| 80 04 26 1300 | | .3 | 1 | 0.147 | 0.194 | 0.226 | 0.420 | 31.0 | 2.0 | 29.000 | 44.0 | 1.70 | 1.050 |
| 80 05 31 0910 | | .3 | 1 | 0.037 | 0.056 | 0.264 | 0.320 | 27.0 | 1.0< | 27.000 | 41.0 | 0.75 | 0.700 |
| 80 06 27 0910 | | .3 | 1 | 0.085 | 0.135 | 0.190 | 0.325 | 40.0 | 1.0 | 39.000 | 60.0 | 1.10 | 0.900 |
| 80 07 25 1840 | | .3 | 1 | 0.050 | 0.123 | 0.180 | 0.303 | 32.0 | 1.0 | 31.000 | 47.0 | 0.40 | 0.700 |
| 80 08 29 1930 | | .3 | 1 | 0.063 | 0.083 | 0.152 | 0.235 | 35.0 | 2.0 | 33.000 | 50.0 | 0.33 | 0.800 |
| 80 09 26 1500 | | .3 | 1 | 0.064 | 0.095 | 0.180 | 0.275 | 35.0 | 1.0 | 34.000 | 52.0 | 0.63 | 0.750 |
| 80 11 01 1345 | | .3 | 1 | 0.084 | 0.109 | 0.246 | 0.355 | 37.0 | 2.0 | | 54.0 | 1.30 | 0.750 |
| 80 12 05 1545 | | .3 | 1 | 0.080 | 0.110 | 0.262 | 0.372 | 37.0 | 2.0 | 35.000 | 54.0 | 0.70 | 0.900 |
| **MAXIMUM** | | | | **0.147** | **0.194** | **0.264** | **0.420** | **40.0** | **2.0** | **39.000** | **60.0** | **6.50** | **1.050** |
| **ARITH MEAN** | | | | **0.086** | **0.121** | **0.219** | **0.340** | **34.1** | **1.3L** | **32.571** | **50.3** | **1.40** | **0.830** |
| **GEOM MEAN** | | | | **0.079** | **0.115** | **0.215** | **0.335** | **33.9** | **1.1L** | **32.362** | **50.0** | **0.92** | **0.824** |
| **MINIMUM** | | | | **0.037** | **0.056** | **0.152** | **0.235** | **27.0** | **0.4<** | **27.000** | **41.0** | **0.33** | **0.700** |
| **STD DEV** | | | | **0.036** | **0.040** | **0.041** | **0.059** | **3.6** | **0.6L** | **3.994** | **5.4** | **1.84** | **0.111** |
| **NO OF SAMPLES** | | | | **10** | **10** | **10** | **10** | **10** | **10** | **7** | **10** | **10** | **10** |

(CONTD)

| TEST-NAME: | | | | PH | ASUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT MG/L AS CO |
| 80 02 09 0940 | | | 3 | 1 | | | 0 110 | | 0 010< | 0.030< | | 0.010< | 0.020< | |
| 80 03 07 1035 | | | 3 | 1 | | 0.001 | 0 020< | 0 020< | 0 010< | 0 030< | 0.010 | 0 010< | 0 020< | 0 020< |
| 80 04 26 1300 | | | 3 | 1 | 6.69 | | 0 060 | | 0 010< | 0 030< | | 0 010< | 0 020< | |
| 80 05 31 0910 | | | 3 | 1 | 6.98 | | 0 020< | | 0 010< | 0 030< | | 0 010< | 0 020< | |
| 80 06 27 0910 | | | 3 | 1 | 7 19 | | 0 040 | | 0 010< | 0 030< | | 0 010< | 0 020< | |
| 80 07 25 1840 | | | .3 | 1 | 7.07 | | | | | | | | | |
| 80 08 29 1930 | | | 3 | 1 | 7.10 | | | | | | | | | |
| 80 09 26 1500 | | | .3 | 1 | 7.18 | | 0 036 | | 0 001< | 0 003< | | 0 003 | 0 002< | |
| 80 11 01 1345 | | | .3 | 1 | 7.20 | | 0 087 | | 0 001< | 0 003< | | 0 001< | 0 002< | |
| 80 12 05 1545 | | | .3 | 1 | 7.73 | | | | 0 003 | 0 010 | | 0 001 | 0 002< | |
| MAXIMUM | | | | | 7.73 | 0.001 | 0.110 | 0.020 | 0.010 | 0.030 | 0.010 | 0.010 | 0.020 | 0.020 |
| ARITH MEAN | | | | | 7.14 | 0.001 | 0.053L | 0.020L | 0.007L | 0.021L | 0.010 | 0.007L | 0.013L | 0.020L |
| GEOM MEAN | | | | | 7.14 | | 0.044L | | 0.005L | 0.016L | | 0.005L | 0.008L | |
| MINIMUM | | | | | 6.69 | 0.001 | 0.020< | 0.020< | 0.001< | 0.003< | 0.010 | 0.001< | 0.002< | 0.020< |
| STD DEV | | | | | 0.29 | | 0.034L | | 0.004L | 0.013L | | 0.004L | 0.009L | |
| NO OF SAMPLES | | | | | 8 | 1 | 7 | 1 | 8 | 8 | 1 | 8 | 8 | 1 |

| TEST-NAME: | | | | | RA226F | GACF | GACP | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 02 09 0940 | | | 3 | 1 | 1< | 1< | 1< | 1< | 1< | 10< |
| 80 04 26 1300 | | | .3 | 1 | 1< | 1< | 1< | 1< | 1< | 10< |
| 80 05 31 0910 | | | .3 | 1 | 1< | 1< | 1< | 1 | 1< | 10< |
| 80 06 27 0910 | | | .3 | 1 | 1< | 1< | 1< | 1 | 1< | 10< |
| 80 08 29 1930 | | | .3 | 1 | 1< | 1 | 1< | 8 | 1< | 10< |
| 80 09 26 1500 | | | .3 | 1 | 1< | 1< | 1< | 2 | 1< | 10< |
| 80 11 01 1345 | | | 3 | 1 | 1< | 1< | 1< | 2 | 1< | 10< |
| 80 12 05 1545 | | | .3 | 1 | 1< | 1< | 1< | 2 | 1< | 10< |
| MAXIMUM | | | | | 1 | 1 | 1 | 8 | 1 | 10 |
| ARITH MEAN | | | | | 1L | 1L | 1L | 2L | 1L | 10L |
| GEOM MEAN | | | | | 1L | 1L | 1L | 2L | 1L | 10L |
| MINIMUM | | | | | 1< | 1< | 1< | 1< | 1< | 10< |
| STD DEV | | | | | 0L | 0L | 0L | 2L | 0L | 0L |
| NO OF SAMPLES | | | | | 8 | 8 | 8 | 8 | 8 | 8 |

B O W / SITE **MINISTIC CREEK**
SAMPLE POINT **AT FIRST BRIDGE ON AGNEW ROAD**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SPANISH RIVER**

STATION ID **14-0028-021-02**

STORET CODE **02**
**002**
**7950**

LAT. LONG. U T M **17 0458775.0 5138500.0 4** REGION: **05** DISTANCE: **87.385**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 09 1020 | | | .3 | 1 | 14505 | 4 6 8 | 0 0 | 10.0 | 0.021 | 0.002 | 0.132 | 0.500 | 0.004 | 0.255 |
| 80 03 07 1100 | | | .3 | 1 | 14545 | 4 6 8 | 0 0 | 11.0 | 0.016 | 0.002 | 0.134 | 0.400 | 0.004 | 0.301 |
| 80 04 26 1320 | | | .3 | 1 | 14582 | 3 6 8 | 12.0 | 10.0 | 0.016 | 0.001< | 0.020 | 0.330 | 0.003 | 0.122 |
| 80 05 31 0935 | | | .3 | 1 | 14615 | 6 8 | 18.0 | 10.0 | 0.019 | 0.001 | 0.042 | 0.430 | 0.004 | 0.071 |
| 80 06 27 0930 | | | .3 | 1 | 14645 | 6 8 | 21.0 | 10.0 | 0.038 | 0.005 | 0.066 | 0.560 | 0.009 | 0.161 |
| 80 07 25 1900 | | | .3 | 1 | 14675 | 6 8 | 22.0 | 11 0 | 0.043 | 0.005 | 0.034 | 0.780 | 0.008 | 0.089 |
| 80 08 29 2000 | | | .3 | 1 | 14705 | 6 8 | 20 0 | 10.0 | 0.022 | 0.006 | 0.046 | 0.550 | 0.009 | 0.581 |
| 80 09 26 1530 | | | .3 | 1 | 14733 | 6 8 | 13.0 | 11.0 | 0.021 | 0.002 | 0.042 | 0.600 | 0.010 | 0.525 |
| 80 11 01 1420 | | | 3 | 1 | 14761 | 6 8 | 1 0 | 11.0 | 0.010 | 0.001< | 0.034 | 0.400 | 0.003 | 0.102 |
| 80 12 05 1620 | | | 3 | 1 | 14789 | 6 8 4 | 0 0 | 10.0 | 0.015 | 0.001 | 0.072 | 0.670 | 0.004 | 0.186 |
| MAXIMUM | | | | | | | 22.0 | 11.0 | 0.043 | 0.006 | 0.134 | 0.780 | 0.010 | 0.581 |
| ARITH MEAN | | | | | | | 10.7 | 10.4 | 0.022 | 0.003L | 0.062 | 0.522 | 0.006 | 0.239 |
| GEOM MEAN | | | | | | | 5.5 | 10.4 | 0.020 | 0.002L | 0.052 | 0.506 | 0.005 | 0.188 |
| MINIMUM | | | | | | | 0.0 | 10.0 | 0.010 | 0.001< | 0.020 | 0.330 | 0.003 | 0.071 |
| STD DEV | | | | | | | 9.5 | 0.5 | 0.010 | 0.002L | 0.040 | 0.138 | 0.003 | 0.181 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 02 09 1020 | | | 3 | 1 | 0.391 | 0 368 | 0 759 | 65 0 | 5.0 | | 92.0 | 1.40 | 2.150 | |
| 80 03 07 1100 | | | .3 | 1 | 0.439 | 0.266 | 0 705 | 53.0 | 2.0 | | 78.0 | 1.90 | 1.650 | |
| 80 04 26 1320 | | | .3 | 1 | 0 145 | 0.310 | 0 455 | 27.0 | 2.0 | 25.000 | 39.0 | 1.70 | 0.650 | 6.28 |
| 80 05 31 0935 | | | .3 | 1 | 0.117 | 0.388 | 0 505 | 42.0 | 3.0 | 39.000 | 60.0 | 1.70 | 0.850 | 6.77 |
| 80 06 27 0930 | | | .3 | 1 | 0.236 | 0 494 | 0 730 | 50 0 | 4.0 | 46.000 | 70.0 | 2.50 | 1.650 | 6.68 |
| 80 07 25 1900 | | | 3 | 1 | 0.131 | 0.746 | 0.877 | 43.0 | 4.0 | 39.000 | 60.0 | 1.80 | 1.100 | 6.83 |
| 80 08 29 2000 | | | .3 | 1 | 0.636 | 0.504 | 1 140 | 132.0 | 5.0 | 127.000 | 195.0 | 2.60 | 3.450 | 7.30 |
| 80 09 26 1530 | | | .3 | 1 | 0.577 | 0 558 | 1 135 | 105.0 | 9.0 | 96.000 | 148.0 | 3.30 | 3.000 | 6.85 |
| 80 11 01 1420 | | | .3 | 1 | 0.139 | 0.366 | 0 505 | 39.0 | 3.0 | | 56.0 | 0.80 | 0.850 | 6.63 |
| 80 12 05 1620 | | | .3 | 1 | 0 262 | 0 598 | 0 860 | 49.0 | 0.9 | 48.000 | 74.0 | 1.30 | 1 200 | 6.65 |
| MAXIMUM | | | | | 0.636 | 0.746 | 1.140 | 132.0 | 9.0 | 127.000 | 195.0 | 3.30 | 3.450 | 7.30 |
| ARITH MEAN | | | | | 0.307 | 0.460 | 0.767 | 60.5 | 3.8 | 60.000 | 87.2 | 1.90 | 1.655 | 6.75 |
| GEOM MEAN | | | | | 0.256 | 0.439 | 0.732 | 54.3 | 3.2 | 51.968 | 78.1 | 1.77 | 1.437 | 6.74 |
| MINIMUM | | | | | 0.117 | 0.266 | 0.455 | 27.0 | 0.9 | 25.000 | 39.0 | 0.80 | 0.650 | 6.28 |
| STD DEV | | | | | 0.193 | 0.148 | 0.244 | 32.7 | 2.3 | 37.041 | 47.9 | 0.72 | 0.949 | 0.29 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 7 | 10 | 10 | 10 | 8 |

(CONTD)

STATION ID: **14-0028-021-02**
STORET CODE: **02**
**002**
**7950**

B O W / SITE: **MINISTIC CREEK**
SAMPLE POINT: **AT FIRST BRIDGE ON AGNEW ROAD**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SPANISH RIVER**

LAT
LONG
U T M: **17 0458775.0 5138500.0 4**
REGION: **05**
DISTANCE: **87.385**

| TEST-NAME: | | | | | ALUT | CUUT | PBUT | ZNUT | NIUT | RA226F | GACF | GACP | GBCF | GBCP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L |
| 80 02 09 1020 | | | 3 | 1 | 0.150 | 0.010< | 0.030< | 0.010< | 0.020< | 1< | 1< | 1< | 2 | 1< |
| 80 03 07 1100 | | | 3 | 1 | | 0.010< | 0.030< | 0.010< | 0.020< | | | | | |
| 80 04 26 1320 | | | 3 | 1 | 0.130 | 0.010< | 0.030< | 0.010< | 0.020< | 1< | 1< | 1< | 1< | 1< |
| 80 05 31 0935 | | | 3 | 1 | 0.020< | 0.010< | 0.030< | 0.010< | 0.040 | 1< | 1< | 1< | 1 | 1< |
| 80 06 27 0930 | | | 3 | 1 | 0.120 | 0.010< | 0.030< | 0.010< | 0.020< | 1< | 1< | 1< | 1 | 1< |
| 80 07 25 1900 | | | 3 | 1 | 0.150 | 0.010< | 0.030< | 0.010< | 0.020< | | | | | |
| 80 08 29 2000 | | | 3 | 1 | 0.11 | 0.002 | 0.004 | 0.016 | 0.002< | 1< | 1 | 1< | 3 | 1< |
| 80 09 26 1530 | | | 3 | 1 | 0.27 | 0.003 | 0.004 | 0.009 | 0.003 | 1< | 1< | 1< | 2 | 1< |
| 80 11 01 1420 | | | 3 | 1 | 0.110 | 0.001 | 0.003< | 0.001< | 0.002< | 1< | 1< | 1< | 1 | 1< |
| 80 12 05 1620 | | | 3 | 1 | 0.140 | 0.002 | 0.003< | 0.005 | 0.003 | 1< | 1< | 1< | 1 | 1< |
| MAXIMUM | | | | | 0.27 | 0.010 | 0.030 | 0.016 | 0.040 | 1 | 1 | 1 | 3 | 1 |
| ARITH MEAN | | | | | 0.13 L | 0.007L | 0.019L | 0.009L | 0.015L | 1L | 1L | 1L | 1L | 1L |
| GEOM MEAN | | | | | 0.11 L | 0.006L | 0.013L | 0.008L | 0.009L | 1L | 1L | 1L | 1L | 1L |
| MINIMUM | | | | | 0.020< | 0.001< | 0.003< | 0.001< | 0.002< | 1< | 1< | 1< | 1< | 1< |
| STD DEV | | | | | 0.08 L | 0.004L | 0.014L | 0.004L | 0.012L | 0L | 0L | 0L | 1L | 0L |
| NO OF SAMPLES | | | | | 9 | 10 | 10 | 10 | 10 | 8 | 8 | 8 | 8 | 8 |

| TEST-NAME: | | | | | UU238 |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | URANIUM 238 UG/L |
| 80 02 09 1020 | | | 3 | 1 | 10< |
| 80 04 26 1320 | | | 3 | 1 | 10< |
| 80 05 31 0935 | | | 3 | 1 | 10< |
| 80 06 27 0930 | | | 3 | 1 | 10< |
| 80 08 29 2000 | | | 3 | 1 | 10< |
| 80 09 26 1530 | | | 3 | 1 | 10< |
| 80 11 01 1420 | | | 3 | 1 | 10< |
| MAXIMUM | | | | | 10 |
| ARITH MEAN | | | | | 10L |
| GEOM MEAN | | | | | 10L |
| MINIMUM | | | | | 10< |
| STD DEV | | | | | 0L |
| NO OF SAMPLES | | | | | 7 |

STATION ID: **14-0028-022-02**
STORET CODE: **02**
**002**
**7950**

B O W / SITE: **MINISTIC CREEK**
SAMPLE POINT: **ABOVE AGNEW LAKE MINE PUMPHOUSE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SPANISH RIVER**

LAT
LONG
U T M: **17 0453900.0 5141750.0 4**
REGION: **05**
DISTANCE: **96.236**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 09 1045 | | | 3 | 1 | 14506 | 4 6 8 | 0.0 | 10.0 | 0.023 | 0.002 | 0.172 | 0.540 | 0.005 | 0.260 |
| 80 03 07 1130 | | | 3 | 1 | 14546 | 4 6 8 | 0.0 | 11.0 | 0.028 | 0.002 | 0.142 | 0.400 | 0.003 | 0.297 |
| 80 04 26 1345 | | | 3 | 1 | 14583 | 3 6 8 | 12.0 | 10.0 | 0.017 | 0.001 | 0.054 | 0.330 | 0.003 | 0.122 |
| 80 05 31 1000 | | | 3 | 1 | 14616 | 6 8 | 18.0 | 10.0 | 0.022 | 0.001 | 0.044 | 0.460 | 0.004 | 0.061 |
| 80 06 27 0950 | | | 3 | 1 | 14646 | 6 8 | 21.0 | 10.0 | 0.038 | 0.004 | 0.080 | 0.600 | 0.005 | 0.110 |
| 80 07 25 1925 | | | 3 | 1 | 14676 | 6 8 | 22.0 | 10.0 | 0.038 | 0.003 | 0.072 | 0.700 | 0.007 | 0.090 |
| MAXIMUM | | | | | | | 22.0 | 11.0 | 0.038 | 0.004 | 0.172 | 0.700 | 0.007 | 0.297 |
| ARITH MEAN | | | | | | | 12.2 | 10.2 | 0.028 | 0.002 | 0.094 | 0.505 | 0.004 | 0.157 |
| GEOM MEAN | | | | | | | 6.8 | 10.2 | 0.027 | 0.002 | 0.083 | 0.490 | 0.004 | 0.134 |
| MINIMUM | | | | | | | 0.0 | 10.0 | 0.017 | 0.001 | 0.044 | 0.330 | 0.003 | 0.061 |
| STD DEV | | | | | | | 10.0 | 0.4 | 0.009 | 0.001 | 0.051 | 0.136 | 0.002 | 0.097 |
| NO OF SAMPLES | | | | | | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 02 09 1045 | | | 3 | 1 | 0.437 | 0.368 | 0.805 | 56.0 | 4.0 | | 80.0 | 2.50 | 2.150 | |
| 80 03 07 1130 | | | 3 | 1 | 0.442 | 0.258 | 0.700 | 48.0 | 2.0 | | 70.0 | 2.10 | 1.650 | |
| 80 04 26 1345 | | | 3 | 1 | 0.179 | 0.276 | 0.455 | 28.0 | 3.0 | 25.000 | 39.0 | 1.30 | 0.450 | 6.22 |
| 80 05 31 1000 | | | 3 | 1 | 0.109 | 0.416 | 0.525 | 43.0 | 4.0 | 39.000 | 60.0 | 1.70 | 0.850 | 6.76 |
| 80 06 27 0950 | | | 3 | 1 | 0.195 | 0.520 | 0.715 | 46.0 | 4.0 | 42.000 | 65.0 | 2.30 | 1.350 | 6.81 |
| 80 07 25 1925 | | | 3 | 1 | 0.169 | 0.628 | 0.797 | 40.0 | 4.0 | 36.000 | 55.0 | 1.80 | 1.100 | 6.76 |
| MAXIMUM | | | | | 0.442 | 0.628 | 0.805 | 56.0 | 4.0 | 42.000 | 80.0 | 2.50 | 2.150 | 6.81 |
| ARITH MEAN | | | | | 0.265 | 0.411 | 0.666 | 43.5 | 3.5 | 35.500 | 61.5 | 1.95 | 1.258 | 6.64 |
| GEOM MEAN | | | | | 0.223 | 0.391 | 0.652 | 42.6 | 3.4 | 34.845 | 60.0 | 1.91 | 1.124 | 6.63 |
| MINIMUM | | | | | 0.109 | 0.258 | 0.455 | 28.0 | 2.0 | 25.000 | 39.0 | 1.30 | 0.450 | 6.22 |
| STD DEV | | | | | 0.146 | 0.143 | 0.145 | 9.3 | 0.8 | 7.416 | 14.0 | 0.44 | 0.600 | 0.28 |
| NO OF SAMPLES | | | | | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 4 |

(CONTD)

| TEST-NAME: | | | | | ALUT | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT | RA226F | GACF | GACP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L |
| 80 02 09 1045 | | | 3 | 1 | | 0.010< | 0.030< | 0.005< | 0.010< | 0.020< | 0.020< | 1< | 1< | 1< |
| 80 03 07 1130 | | | .3 | 1 | | 0.010< | 0.030< | 0.010 | 0.010< | 0.020< | 0.020< | | | |
| 80 04 26 1345 | | | .3 | 1 | 0.120 | 0.010< | 0.030< | | 0.010< | 0.020< | | 1< | 1< | 1< |
| 80 05 31 1000 | | | .3 | 1 | 0.020< | 0.010< | 0.030< | | 0.010< | 0.020< | | 1< | 1< | 1< |
| 80 06 27 0950 | | | .3 | 1 | 0.120 | 0.010< | 0.030< | | 0.010< | 0.030 | | 1< | 1< | 1< |
| 80 07 25 1925 | | | .3 | 1 | 0.130 | 0.010< | 0.030< | | 0.010< | 0.020< | | | | |
| MAXIMUM | | | | | 0.130 | 0.010 | 0.030 | 0.010 | 0.010 | 0.030 | 0.020 | 1 | 1 | 1 |
| ARITH MEAN | | | | | 0.097L | 0.010L | 0.030L | 0.007L | 0.010L | 0.022L | 0.020L | 1L | 1L | 1L |
| GEOM MEAN | | | | | 0.078L | 0.010L | 0.030L | 0.007L | 0.010L | 0.021L | 0.020L | 1L | 1L | 1L |
| MINIMUM | | | | | 0.020< | 0.010< | 0.030< | 0.005< | 0.010< | 0.020< | 0.020< | 1< | 1< | 1< |
| STD DEV | | | | | 0.062L | 0.000L | 0.000L | 0.004L | 0.000L | 0.004L | 0.000L | 0L | 0L | 0L |
| NO OF SAMPLES | | | | | 4 | 6 | 6 | 2 | 6 | 6 | 2 | 4 | 4 | 4 |

| TEST-NAME: | | | | | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 02 09 1045 | | | .3 | 1 | 1< | 1< | 10< |
| 80 04 26 1345 | | | .3 | 1 | 1< | 1< | 10< |
| 80 05 31 1000 | | | .3 | 1 | 1 | 1< | 10< |
| 80 06 27 0950 | | | .3 | 1 | 1 | 1< | 10< |
| MAXIMUM | | | | | 1 | 1 | 10 |
| ARITH MEAN | | | | | 1L | 1L | 10L |
| GEOM MEAN | | | | | 1L | 1L | 10L |
| MINIMUM | | | | | 1< | 1< | 10< |
| STD DEV | | | | | 0L | 0L | 0L |
| NO OF SAMPLES | | | | | 4 | 4 | 4 |

| | | | |
|---|---|---|---|
| B.O.W / SITE: **MILL DITCH** | MAJOR BASIN: **GREAT LAKES** | STATION ID: **14-0028-025-02** | |
| SAMPLE POINT: **AT OPEN DITCH BELOW MINE OUTFALL** | MINOR BASIN: **LAKE HURON** | STORET CODE: **02 002 7950** | |
| STATION TYPE: **RIVER** | TERM STREAM: **SPANISH RIVER** | | |
| | U T M **17 0451500.0 5141850.0 4** | REGION: **05** | DISTANCE: **108.467** |
| LAT. | LONG. | | |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 09 1120 | | | 3 | 1 | 14507 | 6 8 9 | 1.0 | 7.0 | 0.015 | 0.001 | 0.170 | 0.470 | 0.007 | 0.610 |
| 80 03 07 1200 | | | 3 | 1 | 14547 | 6 8 9 | 2.0 | 8.0 | 0.038 | 0.003 | 0.190 | 0.540 | 0.008 | 0.572 |
| 80 04 26 1410 | | | 3 | 1 | 14584 | 6 8 9 | 14.0 | 7.0 | 0.050 | 0.006 | 0.068 | 0.325 | 0.010 | 0.370 |
| MAXIMUM | | | | | | | 14.0 | 8.0 | 0.050 | 0.006 | 0.190 | 0.540 | 0.010 | 0.610 |
| ARITH MEAN | | | | | | | 5.7 | 7.3 | 0.034 | 0.003 | 0.143 | 0.445 | 0.008 | 0.517 |
| GEOM MEAN | | | | | | | 3.0 | 7.3 | 0.031 | 0.003 | 0.130 | 0.435 | 0.008 | 0.506 |
| MINIMUM | | | | | | | 1.0 | 7.0 | 0.015 | 0.001 | 0.068 | 0.325 | 0.007 | 0.370 |
| STD DEV | | | | | | | 7.2 | 0.6 | 0.018 | 0.003 | 0.065 | 0.110 | 0.002 | 0.129 |
| NO OF SAMPLES | | | | | | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 02 09 1120 | | | 3 | 1 | 0.787 | 0.300 | 1.087 | 125.0 | 3.0 | | 187.0 | 4.70 | 16.000 | |
| 80 03 07 1200 | | | 3 | 1 | 0.770 | 0.350 | 1.120 | 167.0 | 27.0 | | 215.0 | 17.50 | 22.000 | |
| 80 04 26 1410 | | | 3 | 1 | 0.448 | 0.257 | 0.705 | 53.0 | 32.0 | 21.000 | 33.0 | 20.00 | 10.000 | 6.78 |
| MAXIMUM | | | | | 0.787 | 0.350 | 1.120 | 167.0 | 32.0 | 21.000 | 215.0 | 20.00 | 22.000 | 6.78 |
| ARITH MEAN | | | | | 0.668 | 0.302 | 0.971 | 115.0 | 20.7 | 21.000 | 145.0 | 14.07 | 16.000 | 6.78 |
| GEOM MEAN | | | | | 0.648 | 0.300 | 0.960 | 103.4 | 13.7 | | 109.9 | 11.80 | 15.212 | |
| MINIMUM | | | | | 0.448 | 0.257 | 0.705 | 53.0 | 3.0 | 21.000 | 33.0 | 4.70 | 10.000 | 6.78 |
| STD DEV | | | | | 0.191 | 0.047 | 0.231 | 57.7 | 15.5 | | 98.0 | 8.21 | 6.000 | |
| NO OF SAMPLES | | | | | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 1 |

| TEST-NAME: | | | | | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT | RA226F | GACF | GACP | GBCF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L |
| 80 02 09 1120 | | | .3 | 1 | 0.030 | 0.030< | 0.005< | 0.340 | 0.020< | 0.020< | 1< | 2 | 1 | 3 |
| 80 03 07 1200 | | | .3 | 1 | 0.010< | 0.030< | 0.005< | 0.300 | 0.020< | 0.020< | | | | |
| 80 04 26 1410 | | | .3 | 1 | 0.010 | 0.050 | 0.005< | 0.120 | 0.020< | 0.020 | 3 | 10 | 23 | 10 |
| MAXIMUM | | | | | 0.030 | 0.050 | 0.005 | 0.340 | 0.020 | 0.020 | 3 | 10 | 23 | 10 |
| ARITH MEAN | | | | | 0.017L | 0.037L | 0.005L | 0.253 | 0.020L | 0.020L | 2L | 6 | 12 | 6 |
| GEOM MEAN | | | | | 0.014L | 0.036L | 0.005L | 0.230 | 0.020L | 0.020L | 2L | 4 | 5 | 5 |
| MINIMUM | | | | | 0.010< | 0.030< | 0.005< | 0.120 | 0.020< | 0.020< | 1< | 2 | 1 | 3 |
| STD DEV | | | | | 0.012L | 0.012L | 0.000L | 0.117 | 0.000L | 0.000L | 1L | 6 | 16 | 5 |
| NO OF SAMPLES | | | | | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | GBCP | UU238 |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 02 09 1120 | | | .3 | 1 | 1 | 10< |
| 80 04 26 1410 | | | .3 | 1 | 18 | 10< |
| MAXIMUM | | | | | 18 | 10 |
| ARITH MEAN | | | | | 9 | 10L |
| GEOM MEAN | | | | | 4 | 10L |
| MINIMUM | | | | | 1 | 10< |
| STD DEV | | | | | 12 | 0L |
| NO OF SAMPLES | | | | | 2 | 2 |

B O W / SITE **VERMILION RIVER**
SAMPLE POINT **HIGHWAY 17 2 MILES EAST OF WHITEFISH**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SPANISH RIVER**

STATION ID **14-0028-027-02**
STORET CODE **02**
**002**
**7950**

LAT LONG U T M **17 0478550.0 5137250.0 4** REGION **05** DISTANCE **105.248**

| TEST-NAME | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 09 0830 | | | 3 | 1 | 14502 | 4 6 8 | 0.0 | 12.0 | 0.024 | 0.006 | 0.790 | 1.230 | 0.009 | 0.375 |
| 80 03 07 0940 | | | 3 | 1 | 14542 | 4 6 8 | 0.0 | 13.0 | 0.021 | 0.009 | 1.020 | 1.570 | 0.007 | 0.493 |
| 80 04 26 1220 | | | 3 | 1 | 14580 | 3 6 8 | 12.0 | 12.0 | 0.022 | 0.002 | 0.304 | 0.640 | 0.007 | 0.173 |
| 80 05 31 0825 | | | 3 | 1 | 14613 | 6 8 | 17.0 | 12.0 | 0.018 | 0.002 | 0.500 | 0.980 | 0.019 | 0.316 |
| 80 06 27 0845 | | | 3 | 1 | 14643 | 6 8 | 21.0 | 12.0 | 0.027 | 0.004 | 0.306 | 0.890 | 0.017 | 0.198 |
| 80 07 25 1810 | | | 3 | 1 | 14673 | 6 8 | 21.0 | 11.0 | 0.022 | 0.007 | 0.254 | 0.620 | 0.020 | 0.160 |
| 80 08 29 1825 | | | 3 | 1 | 14703 | 6 8 | 20.0 | 12.0 | 0.018 | 0.004 | 0.420 | 0.990 | 0.175 | 0.530 |
| 80 09 26 1425 | | | 3 | 1 | 14731 | 6 8 | 12.0 | 12.0 | 0.051 | 0.029 | 0.072 | 1.000 | 0.050 | 1.200 |
| 80 11 01 1300 | | | 3 | 1 | 14759 | 6 8 | 1.0 | 13.0 | 0.379 | 0.270 | 3.900 | 12.800 | 0.057 | 1.280 |
| 80 12 05 1500 | | | 3 | 1 | 14787 | 6 8 | 0.0 | 13.0 | 0.025 | 0.007 | 1.320 | 2.150 | 0.012 | 0.478 |
| MAXIMUM | | | | | | | 21.0 | 13.0 | 0.379 | 0.270 | 3.900 | 12.800 | 0.175 | 1.280 |
| ARITH MEAN | | | | | | | 10.4 | 12.2 | 0.061 | 0.034 | 0.889 | 2.287 | 0.037 | 0.620 |
| GEOM MEAN | | | | | | | 5.4 | 12.2 | 0.032 | 0.008 | 0.521 | 1.337 | 0.021 | 0.407 |
| MINIMUM | | | | | | | 0.0 | 11.0 | 0.018 | 0.002 | 0.072 | 0.620 | 0.007 | 0.160 |
| STD DEV | | | | | | | 9.3 | 0.6 | 0.112 | 0.083 | 1.126 | 3.722 | 0.051 | 0.403 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 02 09 0830 | | | 3 | 1 | 1.174 | 0.440 | 1.614 | 178.0 | 2.0 | | 270.0 | 1.60 | 14.500 | |
| 80 03 07 0940 | | | 3 | 1 | 1.520 | 0.550 | 2.070 | 204.0 | 2.0 | | 311.0 | 1.70 | 17.500 | |
| 80 04 26 1220 | | | 3 | 1 | 0.484 | 0.336 | 0.820 | 83.0 | 5.0 | 78.000 | 120.0 | 3.00 | 6.400 | 6.96 |
| 80 05 31 0825 | | | 3 | 1 | 0.835 | 0.480 | 1.315 | 129.0 | 2.0 | 127.000 | 195.0 | 1.40 | 9.200 | |
| 80 06 27 0845 | | | 3 | 1 | 0.521 | 0.584 | 1.105 | 131.0 | 4.0 | 127.000 | 195.0 | 1.50 | 9.300 | 7.45 |
| 80 07 25 1810 | | | 3 | 1 | 0.434 | 0.366 | 0.800 | 129.0 | 2.0 | 127.000 | 195.0 | 0.75 | 9.450 | 7.45 |
| 80 08 29 1825 | | | 3 | 1 | 1.125 | 0.570 | 1.695 | 237.0 | 3.0 | 234.000 | 360.0 | 0.78 | 18.500 | 7.36 |
| 80 09 26 1425 | | | 3 | 1 | 1.322 | 0.928 | 2.250 | 250.0 | 3.0 | 247.000 | 380.0 | 1.30 | 28.000 | 6.88 |
| 80 11 01 1300 | | | 3 | 1 | 5.237 | 8.900 | 14.137 | 1068.0 | 5.0 | | 1440.0 | 2.50 | 78.000 | 7.47 |
| 80 12 05 1500 | | | 3 | 1 | 1.810 | 0.830 | 2.640 | 251.0 | 7.0 | 244.000 | 375.0 | 1.60 | 18.000 | 8.41 |
| MAXIMUM | | | | | 5.237 | 8.900 | 14.137 | 1068.0 | 7.0 | 247.000 | 1440.0 | 3.00 | 78.000 | 8.41 |
| ARITH MEAN | | | | | 1.446 | 1.398 | 2.845 | 266.0 | 3.5 | 169.143 | 384.1 | 1.61 | 20.885 | 7.43 |
| GEOM MEAN | | | | | 1.087 | 0.710 | 1.843 | 200.4 | 3.2 | 156.048 | 298.0 | 1.48 | 15.776 | 7.41 |
| MINIMUM | | | | | 0.434 | 0.336 | 0.800 | 83.0 | 2.0 | 78.000 | 120.0 | 0.75 | 6.400 | 6.88 |
| STD DEV | | | | | 1.410 | 2.642 | 4.014 | 287.8 | 1.7 | 70.127 | 381.7 | 0.69 | 21.056 | 0.50 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 7 | 10 | 10 | 10 | 7 |

| TEST-NAME: | | | | | ASUT | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 02 09 0830 | | | 3 | 1 | 0.001 | 0.020 | 0.030< | 0.010< | 0.200 |
| 80 03 07 0940 | | | 3 | 1 | 0.002 | 0.020 | 0.030< | 0.020 | 0.210 |
| 80 04 26 1220 | | | 3 | 1 | 0.002 | 0.020 | 0.030< | 0.020 | 0.110 |
| 80 05 31 0825 | | | 3 | 1 | 0.001< | 0.010< | 0.030< | 0.010< | 0.100 |
| 80 06 27 0845 | | | 3 | 1 | 0.001< | 0.010< | 0.030< | 0.010< | 0.070 |
| 80 07 25 1810 | | | 3 | 1 | 0.001 | 0.010< | 0.030< | 0.010< | 0.410 |
| 80 08 29 1825 | | | 3 | 1 | 0.003 | 0.003 | 0.003< | 0.005 | 0.092 |
| 80 09 26 1425 | | | 3 | 1 | 0.003 | 0.007 | 0.003< | 0.001< | 0.12 |
| 80 11 01 1300 | | | 3 | 1 | 0.001 | 0.013 | 0.003< | 0.009 | 0.220 |
| 80 12 05 1500 | | | 3 | 1 | 0.001< | 0.015 | 0.009 | 0.019 | 0.250 |
| MAXIMUM | | | | | 0.003 | 0.020 | 0.030 | 0.020 | 0.410 |
| ARITH MEAN | | | | | 0.002L | 0.013L | 0.020L | 0.011L | 0.17 |
| GEOM MEAN | | | | | 0.001L | 0.011L | 0.013L | 0.009L | 0.15 |
| MINIMUM | | | | | 0.001< | 0.003< | 0.003< | 0.001< | 0.070 |
| STD DEV | | | | | 0.001L | 0.006L | 0.013L | 0.006L | 0.10 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 |

B O W / SITE **WHITSON RIVER**
SAMPLE POINT **HIGHWAY 634 WEST OF VAL CARON**
STATION TYPE **RIVER FLOW GAUGE FED 02CF008**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SPANISH RIVER**

STATION ID **14-0028-028-02**
STORET CODE **02**
**002**
**7950**

LAT LONG U T M **17 0497500.0 5161600.0 4** REGION **05** DISTANCE **157.229**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 02 16 0900 | | | 3 | 1 | 14527 | 4 6 8 | 0.503 | 0.0 | 10.0 | 0.016 | 0.006 | 0.142 | 0.390 | 0.007 |
| 80 03 15 1145 | | | 3 | 1 | 14565 | 4 6 8 | 0.269 | 0.0 | 11.0 | 0.023 | 0.008 | 0.156 | 0.650 | 0.009 |
| 80 05 04 0930 | | | 3 | 1 | 14600 | 6 8 | 3.540 | 14.0 | 10.0 | 0.032 | 0.002 | 0.044 | 0.600 | 0.006 |
| 80 05 31 1520 | | | 3 | 1 | 14624 | 6 8 | 1.110 | 17.0 | 10.0 | 0.032 | 0.003 | 0.084 | 0.650 | 0.012 |
| 80 06 27 1425 | | | 3 | 1 | 14653 | 6 8 | 0.501 | 21.0 | 10.0 | 0.024 | 0.003 | 0.046 | 0.340 | 0.012 |
| 80 07 26 1140 | | | 3 | 1 | 14683 | 6 8 | 0.630 | 22.0 | 10.0 | 0.025 | 0.006 | 0.058 | 0.45 | 0.011 |
| 80 09 01 1150 | | | 3 | 1 | 14712 | 6 8 | 0.627 | 20.0 | 10.0 | 0.021 | 0.006 | 0.142 | 0.540 | 0.008 |
| 80 09 28 1120 | | | 3 | 1 | 14748 | 6 8 | 2.460 | 13.0 | 10.0 | 0.018 | 0.004 | 0.084 | 0.820 | 0.007 |
| 80 11 09 1330 | | | 3 | 1 | 14782 | 6 8 | 1.790 | 1.0 | 10.0 | 0.012 | 0.002 | 0.180 | 0.350 | 0.007 |
| 80 12 06 1140 | | | 3 | 1 | 14796 | 1 1 0 | 0.953 | 0.0 | 11.0 | 0.013 | 0.004 | 0.062 | 0.370 | 0.006 |
| MAXIMUM | | | | | | | 3.540 | 22.0 | 11.0 | 0.032 | 0.008 | 0.180 | 0.820 | 0.012 |
| ARITH MEAN | | | | | | | 1.238 | 10.8 | 10.2 | 0.022 | 0.004 | 0.100 | 0.51 | 0.008 |
| GEOM MEAN | | | | | | | 0.922 | 5.6 | 10.2 | 0.021 | 0.004 | 0.088 | 0.49 | 0.008 |
| MINIMUM | | | | | | | 0.269 | 0.0 | 10.0 | 0.012 | 0.002 | 0.044 | 0.340 | 0.006 |
| STD DEV | | | | | | | 1.052 | 9.5 | 0.4 | 0.007 | 0.002 | 0.050 | 0.16 | 0.002 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

(CONTD)

| | | | TEST-NAME: | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 02 16 0900 | | | .3 | 1 | 0.353 | 0.502 | 0.248 | 0.750 | 133.0 | 3.0 | | 200.0 | 2.20 | 20.500 |
| 80 03 15 1145 | | | .3 | 1 | 0.431 | 0.596 | 0.494 | 1.090 | 199.0 | 4.0 | | 300.0 | 2.70 | 19.500 |
| 80 05 04 0930 | | | .3 | 1 | 0.084 | 0.134 | 0.556 | 0.690 | 97.0 | 9.0 | 88.000 | 135.0 | 2.20 | 10.000 |
| 80 05 31 1520 | | | .3 | 1 | 0.223 | 0.319 | 0.566 | 0.885 | 151.0 | 5.0 | 146.000 | 225.0 | 2.30 | 13.000 |
| 80 06 27 1425 | | | .3 | 1 | 0.253 | 0.311 | 0.294 | 0.605 | 174.0 | 5.0 | 169.000 | 260.0 | 2.20 | 16.000 |
| 80 07 26 1140 | | | .3 | 1 | 0.256 | 0.325 | 0.392 | 0.717 | 173 | 4 | 169 | 260 | 2.3 | 17.5 |
| 80 09 01 1150 | | | .3 | 1 | 0.202 | 0.352 | 0.398 | 0.750 | 16.5 | 6.0 | 159.000 | 245.0 | 2.00 | 20.500 |
| 80 09 28 1120 | | | .3 | 1 | 0.173 | 0.264 | 0.736 | 1.000 | 116.0 | 5.0 | 111.000 | 170.0 | 1.60 | 14.000 |
| 80 11 09 1330 | | | .3 | 1 | 0.193 | 0.380 | 0.170 | 0.550 | 136.0 | 3.0 | 133.000 | 205.0 | 1.50 | 15.500 |
| 80 12 06 1140 | | | .3 | 1 | 0.259 | 0.327 | 0.308 | 0.635 | 158.0 | 2.0 | 156.000 | 240.0 | 1.50 | 16.500 |
| MAXIMUM | | | | | 0.431 | 0.596 | 0.736 | 1.090 | 199.0 | 9.0 | 169.000 | 300.0 | 2.70 | 20.500 |
| ARITH MEAN | | | | | 0.243 | 0.351 | 0.416 | 0.767 | 135 | 4 | 141 | 224 | 2.0 | 16.3 |
| GEOM MEAN | | | | | 0.224 | 0.329 | 0.383 | 0.751 | 117 | 4 | 138 | 218 | 2.0 | 15.9 |
| MINIMUM | | | | | 0.084 | 0.134 | 0.170 | 0.550 | 16.5 | 2.0 | 88.000 | 135.0 | 1.50 | 10.000 |
| STD DEV | | | | | 0.098 | 0.126 | 0.172 | 0.174 | 61 | 2 | 29 | 48 | 0.4 | 3.3 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 8 | 10 | 10 | 10 |

| | | | TEST-NAME: | | PH | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 03 15 1145 | | | .3 | 1 | | 0.020 | 0.030< | 0.010< | 0.060 |
| 80 05 04 0930 | | | .3 | 1 | 7.09 | 0.030 | 0.030< | 0.010< | 0.040 |
| 80 05 31 1520 | | | .3 | 1 | 7.55 | 0.010 | 0.030< | 0.010< | 0.040 |
| 80 06 27 1425 | | | .3 | 1 | 7.71 | | | | |
| 80 07 26 1140 | | | .3 | 1 | 7.73 | 0.010< | 0.030< | 0.010< | 0.020< |
| 80 09 01 1150 | | | .3 | 1 | 7.48 | 0.006 | 0.003< | 0.003 | 0.040 |
| 80 09 28 1120 | | | .3 | 1 | 7.31 | 0.020 | 0.003< | 0.009 | 0.080 |
| 80 11 09 1330 | | | .3 | 1 | 7.38 | 0.013 | 0.003< | 0.013 | 0.100 |
| 80 12 06 1140 | | | .3 | 1 | 7.16 | 0.008 | 0.003< | 0.015 | 0.088 |
| MAXIMUM | | | | | 7.73 | 0.030 | 0.030 | 0.015 | 0.100 |
| ARITH MEAN | | | | | 7.43 | 0.016L | 0.016L | 0.010L | 0.058L |
| GEOM MEAN | | | | | 7.42 | 0.013L | 0.009L | 0.009L | 0.052L |
| MINIMUM | | | | | 7.09 | 0.006< | 0.003< | 0.003< | 0.020< |
| STD DEV | | | | | 0.24 | 0.008L | 0.014L | 0.003L | 0.028L |
| NO OF SAMPLES | | | | | 8 | 8 | 8 | 8 | 8 |

B O W / SITE **WHITSON RIVER**
SAMPLE POINT **AT BRIDGE IN THE COMMUNITY OF BRADLEY**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SPANISH RIVER**

STATION ID **14-0028-030-02**
STORET CODE **02**
**002**
**7950**

LAT
LONG.
U T M **17 0479600.0 5153600.0 4**
REGION **05**
DISTANCE **129.710**

| | | | TEST-NAME: | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 15 1200 | | | .3 | 1 | 14521 | 6 8 | 0.0 | 11.0 | 0.012 | 0.004 | 0.164 | 0.880 | 0.008 | 0.442 |
| 80 03 15 0900 | | | .3 | 1 | 14559 | 4 6 8 | 0.0 | 10.0 | 0.016 | 0.006 | 0.174 | 0.400 | 0.008 | 0.517 |
| 80 05 03 0925 | | | .3 | 1 | 14587 | 3 6 8 | 13.0 | 10.0 | 0.032 | 0.001 | 0.038 | 0.600 | 0.008 | 0.137 |
| 80 05 31 1230 | | | .3 | 1 | 14618 | 6 8 | 18.0 | 10.0 | 0.021 | 0.004 | 0.058 | 0.480 | 0.014 | 0.311 |
| MAXIMUM | | | | | | | 18.0 | 11.0 | 0.032 | 0.006 | 0.174 | 0.880 | 0.014 | 0.517 |
| ARITH MEAN | | | | | | | 7.7 | 10.2 | 0.020 | 0.004 | 0.108 | 0.590 | 0.009 | 0.352 |
| GEOM MEAN | | | | | | | 3.9 | 10.2 | 0.019 | 0.003 | 0.089 | 0.564 | 0.009 | 0.314 |
| MINIMUM | | | | | | | 0.0 | 10.0 | 0.012 | 0.001 | 0.038 | 0.400 | 0.008 | 0.137 |
| STD DEV | | | | | | | 9.2 | 0.5 | 0.009 | 0.002 | 0.070 | 0.210 | 0.003 | 0.167 |
| NO OF SAMPLES | | | | | | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

| | | | TEST-NAME: | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 02 15 1200 | | | .3 | 1 | 0.614 | 0.716 | 1.330 | 193.0 | 1.0 | | 295.0 | 2.20 | 18.500 | |
| 80 03 15 0900 | | | .3 | 1 | 0.699 | 0.226 | 0.925 | 234.0 | 0.1< | | 360.0 | 2.70 | 26.000 | |
| 80 05 03 0925 | | | .3 | 1 | 0.183 | 0.562 | 0.745 | 138.0 | 11.0 | 127.000 | 195.0 | 3.50 | 12.000 | 7.57 |
| 80 05 31 1230 | | | .3 | 1 | 0.383 | 0.422 | 0.805 | 179.0 | 3.0 | 176.000 | 270.0 | 2.30 | 0.500 | 7.81 |
| MAXIMUM | | | | | 0.699 | 0.716 | 1.330 | 234.0 | 11.0 | 176.000 | 360.0 | 3.50 | 26.000 | 7.81 |
| ARITH MEAN | | | | | 0.470 | 0.481 | 0.951 | 186.0 | 3.8L | 151.500 | 280.0 | 2.67 | 14.250 | 7.69 |
| GEOM MEAN | | | | | 0.416 | 0.443 | 0.927 | 182.8 | 1.3L | 149.506 | 273.5 | 2.63 | 7.329 | 7.69 |
| MINIMUM | | | | | 0.183 | 0.226 | 0.745 | 138.0 | 0.1< | 127.000 | 195.0 | 2.20 | 0.500 | 7.57 |
| STD DEV | | | | | 0.233 | 0.208 | 0.263 | 39.6 | 5.0L | 34.648 | 68.2 | 0.59 | 10.805 | 0.17 |
| NO OF SAMPLES | | | | | 4 | 4 | 4 | 4 | 4 | 2 | 4 | 4 | 4 | 2 |

B.O.W / SITE **VERMILION RIVER**
SAMPLE POINT **DOWLING 6 MILES WEST OF CHELMSFORD**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SPANISH RIVER**

STATION ID **14-0028-033-02**
STORET CODE **02**
**002**
**7950**

LAT LONG U T M **17 0475625.0 5157300.0 4** REGION **05** DISTANCE **154.171**

| TEST-NAME | | | | | SAMPLE | FWSTRC | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND | WATER TEMP DEG C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT DEM MG/L AS O | PHOSPHOR UNF TOT MG/L AS P | PO4 FIL REAC MG/I AS P | NH3-N TOTAL FIL REAC MG/L AS N | K'DAHL N TOTAL FIL TOT MG/L AS N | NO2-N FIL REAC MG/L AS N |
| 80 02 15 1300 | | | 3 | 1 | 14523 | 6 8 | 0 0 | 13 0 | | 0 017 | 0 006 | 0 146 | 0 330 | 0 007 |
| 80 02 26 0940 | | | 3 | 1 | 14679 | 6 8 | 21 0 | 12 0 | | 0 015 | 0 004 | 0 032 | 0 220 | 0 004 |
| 80 03 15 1000 | | | 3 | 1 | 14561 | 4 6 8 | 0 0 | 12 0 | | 0 024 | 0 013 | 0 180 | 0 410 | 0 005 |
| 80 05 03 1030 | | | 3 | 1 | 14589 | 3 6 8 | 12 0 | 12 0 | | 0 025 | 0 001 | 0.026 | 0.250 | 0 003 |
| 80 05 31 1330 | | | 3 | 1 | 14620 | 6 8 | 17.0 | 12.0 | | 0 036 | 0 018 | 0 178 | 0 390 | 0 007 |
| 80 06 27 1230 | | | 3 | 1 | 14649 | 6 8 | 21 0 | 12 0 | | 0 021 | 0 001 | 0.034 | 0 230 | 0 003 |
| 80 09 01 1000 | | | 3 | 1 | 14708 | 6 8 | 20 0 | 11 0 | 0 8 | 0 034 | 0 002 | 0 036 | 0 320 | 0 003 |
| 80 09 27 0930 | | | 3 | 1 | 14736 | 6 8 | 12.0 | 12 0 | | 0 013 | 0 003 | 0.038 | 0.390 | 0 005 |
| 80 11 08 1300 | | | 3 | 1 | 14770 | 6 8 | 1.0 | 12 0 | | 0 011 | 0 003 | 0 094 | 0 240 | 0 017 |
| 80 12 06 0935 | | | 3 | 1 | 14792 | 6 8 | 0 0 | 12 0 | | 0 010 | 0 005 | 0 080 | 0 260 | 0 074 |
| MAXIMUM | | | | | | | 21.0 | 13.0 | 0.8 | 0.036 | 0.018 | 0.180 | 0.410 | 0.074 |
| ARITH MEAN | | | | | | | 10.4 | 12.0 | 0.8 | 0.021 | 0.006 | 0.084 | 0.304 | 0.013 |
| GEOM MEAN | | | | | | | 6.4 | 12.0 | | 0.019 | 0.004 | 0.065 | 0.296 | 0.007 |
| MINIMUM | | | | | | | 0.0 | 11.0 | 0.8 | 0.010 | 0.001 | 0.028 | 0.220 | 0.003 |
| STD DEV | | | | | | | 9.3 | 0.5 | | 0.009 | 0.006 | 0.062 | 0.073 | 0.022 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 1 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME | | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 02 15 1300 | | | 3 | 1 | 0 193 | 0 346 | 0 184 | 0 530 | 88 0 | 0 5 | | 134 0 | 1 30 | 5 500 |
| 80 02 26 0940 | | | 3 | 1 | 0 132 | 0 168 | 0 188 | 0 356 | 80.0 | 2 0 | 78 000 | 120 0 | 1 00 | 6 100 |
| 80 03 15 1000 | | | 3 | 1 | 0 260 | 0 445 | 0 230 | 0 675 | 92 0 | 0 8 | | 140 0 | 1 20 | 6 700 |
| 80 05 03 1030 | | | 3 | 1 | 0 092 | 0 121 | 0 224 | 0 345 | 62 0 | 23 0 | 39 000 | 60 0 | 3 20 | 1 750 |
| 80 05 31 1330 | | | 3 | 1 | 0 053 | 0 238 | 0 212 | 0 450 | 53 0 | 1.0 | 52 000 | 80 0 | 1 10 | 2 850 |
| 80 06 27 1230 | | | 3 | 1 | 0 017 | 0 054 | 0 196 | 0 250 | 80 0 | 15.0 | 65 000 | 100 0 | 3 10 | 3 450 |
| 80 09 01 1000 | | | 3 | 1 | 0 152 | 0 191 | 0 284 | 0 475 | 118 0 | 20.0 | 98 000 | 150 0 | 0 95 | 6 550 |
| 80 09 27 0930 | | | 3 | 1 | 0 190 | 0 233 | 0 352 | 0 585 | 36 0 | 3.0 | 33 000 | 50 0 | 1 90 | 7 800 |
| 80 11 08 1300 | | | 3 | 1 | 0 135 | 0 246 | 0 146 | 0 392 | 63 0 | 3 0 | 60 000 | 93 0 | 1 30 | 3 800 |
| 80 12 06 0935 | | | 3 | 1 | 0 166 | 0 320 | 0 180 | 0 500 | 99 0 | 1 0 | 98 000 | 150 0 | 1 30 | 6 350 |
| MAXIMUM | | | | | 0.260 | 0.445 | 0.352 | 0.675 | 118.0 | 23.0 | 98.000 | 150.0 | 3.20 | 7.800 |
| ARITH MEAN | | | | | 0.139 | 0.238 | 0.220 | 0.456 | 77.1 | 6.9 | 65.375 | 107.7 | 1.63 | 5.085 |
| GEOM MEAN | | | | | 0.114 | 0.208 | 0.213 | 0.440 | 73.4 | 2.9 | 61.150 | 101.2 | 1.48 | 4.654 |
| MINIMUM | | | | | 0.017 | 0.064 | 0.146 | 0.250 | 36.0 | 0.5 | 33.000 | 50.0 | 0.95 | 1.750 |
| STD DEV | | | | | 0.071 | 0.114 | 0.059 | 0.125 | 24.1 | 8.8 | 24.611 | 36.7 | 0.84 | 1.982 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 8 | 10 | 10 | 10 |

| TEST-NAME | | | | | PH |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH |
| 80 02 26 0940 | | | 3 | 1 | 7 59 |
| 80 05 03 1030 | | | 3 | 1 | 6 89 |
| 80 05 31 1330 | | | .3 | 1 | 7 43 |
| 80 06 27 1230 | | | 3 | 1 | 7 82 |
| 80 09 01 1000 | | | 3 | 1 | 7 38 |
| 80 09 27 0930 | | | 3 | 1 | 7 09 |
| 80 11 08 1300 | | | 3 | 1 | 7 17 |
| 80 12 06 0935 | | | 3 | 1 | 7 24 |
| MAXIMUM | | | | | 7.82 |
| ARITH MEAN | | | | | 7.33 |
| GEOM MEAN | | | | | 7.32 |
| MINIMUM | | | | | 6.89 |
| STD DEV | | | | | 0.29 |
| NO OF SAMPLES | | | | | 8 |

B.O.W / SITE **SPANISH RIVER**
SAMPLE POINT **AT BRIDGE SOUTH OF THE TOWN OF MASSEY**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SPANISH RIVER**

STATION ID **14-0028-038-83**
STORET CODE **02**
**002**
**7950**

LAT LONG. U T M **17 0417750.0 5117450.0 4** REGION **05** DISTANCE **30.094**

| TEST-NAME | | | | | SAMPLE | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N |
| 80 02 28 0900 | | | .3 | 1 | 12001 | | | | | | 0.017 | 0.003 | | 0.470 |
| 80 03 28 1930 | | | 3 | 1 | 12025 | | | | | | 0 070 | 0.005 | 0 180 | 0 600 |
| 80 04 08 1900 | | | .3 | 1 | 12049 | | | | | | 0.032 | 0 004 | | 0 420 |
| 80 04 15 1900 | | | .3 | 1 | 12051 | | | | | | 0.030 | 0.005 | | 0.460 |
| 80 04 22 1900 | | | .3 | 1 | 12053 | | | | | | 0.020 | 0.002 | | 0.410 |
| 80 04 29 1900 | | | .3 | 1 | 12055 | | | | | | 0.020 | 0.002 | | 0 410 |
| 80 05 06 1900 | | | 3 | 1 | 12060 | | | | | | 0.018 | 0 001< | | 0.350 |
| 80 05 12 1900 | | | 3 | 1 | 12062 | | | | | | 0 009 | 0.001< | | 0.210 |
| 80 05 20 1800 | | | 3 | 1 | 12064 | | | | | | 0.018 | 0.001 | | 0 370 |
| 80 05 27 1900 | | | .3 | 1 | 12088 | | | | | | 0 020 | 0.001 | | 0.400 |
| 80 06 12 1900 | | | .3 | 1 | 12090 | | | | | | 0 019 | 0.003 | | 0.330 |
| 80 06 18 1515 | | | 3 | 1 | 76701 | | | | | | 0.013 | 0.004 | | |
| 80 06 19 1015 | | | 3 | 1 | 76702 | | | | | | 0 013 | 0 002 | | |
| 80 06 23 0930 | | | .3 | 1 | 76703 | | | | | | 0.013 | 0.001 | | |
| 80 06 25 1800 | | | .3 | 1 | 12092 | 9600 | 2< | 2 | | | 0 017 | 0.006 | | 0.320 |
| 80 06 26 0915 | | | .3 | 1 | 76704 | | | | | | 0 012 | 0.001 | | |
| 80 07 09 0915 | | | .3 | 1 | 76706 | | | | | | 0 015 | 0.002 | | |
| 80 07 16 0930 | | | .3 | 1 | 76707 | | | | | | 0.037 | | | |

(CONTD)

| | | | TEST-NAME: SAMPLE | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 07 23 0945 | .3 | 1 | 76708 | | | | | | 0.018 | 0.003 | | |
| 80 07 28 1500 | .3 | 1 | 12115 | | | | | | 0.019 | 0.004 | | 0.350 |
| 80 07 30 0915 | .3 | 1 | 76709 | | | | | | 0.055 | | | |
| 80 08 06 0945 | .3 | 1 | 76710 | | | | | | 0.077 | 0.002 | | |
| 80 08 13 0855 | .3 | 1 | 76711 | | | | | | 0.033 | | | |
| 80 08 20 0920 | .3 | 1 | 76712 | | | | 22.0 | 8.0 | 0.035 | | | |
| 80 08 26 1900 | .3 | 1 | 12138 | | | | | | 0.020 | 0.007 | | 0.480 |
| 80 09 04 0930 | .3 | 1 | 76713 | | | | 21.0 | | 0.018 | 0.004 | | |
| 80 09 10 0915 | .3 | 1 | 76714 | | | | 20.0 | 6.0 | 0.020 | | | |
| 80 09 17 0930 | .3 | 1 | 76715 | | | | 17.0 | | 0.030 | 0.003 | | |
| 80 09 24 0930 | 3 | 1 | 76716 | | | | 15.0 | | 0.020 | | | |
| 80 09 26 1600 | 3 | 1 | 12161 | | | | | | 0.022 | 0.002 | | |
| 80 10 01 1010 | .3 | 1 | 76717 | | | | 14.5 | 9.0 | 0.015 | 0.002 | | |
| 80 10 08 0945 | .3 | 1 | 76718 | | | | | | 0.102 | | | |
| 80 10 15 0930 | .3 | 1 | 76719 | | | | 9.8 | | 0.025 | 0.001 | | |
| 80 10 22 0945 | .3 | 1 | 76720 | | | | | | 0.137 | | | |
| 80 10 26 1600 | .3 | 1 | 12184 | | | | | | 0.005 | 0.001 | | 0.700 |
| 80 10 28 1005 | .3 | 1 | 76721 | | | | | | 0.104 | 0.001< | | |
| 80 11 06 1110 | .3 | 1 | 76722 | | | | 9.1 | 8.0 | 0.012 | 0.001< | | |
| 80 11 12 0950 | .3 | 1 | 76723 | | | | | | 0.018 | | | |
| 80 11 19 1130 | .3 | 1 | 76724 | | | | | | 0.005 | 0.001 | | |
| 80 11 26 1150 | .3 | 1 | 76725 | | | | 4.0 | | 0.022 | | | |
| 80 12 04 1110 | .3 | 1 | 76726 | | | | 0.0 | | 0.018 | 0.001< | | |
| 80 12 10 1130 | .3 | 1 | 76727 | | | | | | 0.010 | 0.001 | | |
| MAXIMUM | | | | 9600 | 2 | 2 | 22.0 | 9.0 | 0.137 | 0.007 | 0.180 | 0.700 |
| ARITH MEAN | | | | 9600 | 2L | 2 | 13.2 | 7.7 | 0.029 | 0.002L | 0.180 | 0.419 |
| GEOM MEAN | | | | | | | 10.2 | 7.7 | 0.022 | 0.002L | | 0.404 |
| MINIMUM | | | | 9600 | 2< | 2 | 0.0 | 6.0 | 0.006 | 0.001< | 0.180 | 0.210 |
| STD DEV | | | | | | | 7.4 | 1.3 | 0.028 | 0.002L | | 0.118 |
| NO OF SAMPLES | | | | 1 | 1 | 1 | 10 | 4 | 42 | 32 | 1 | 15 |

| TEST-NAME: | | | | | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 02 28 0900 | | | .3 | 1 | 0.004 | 0.216 | | | 0.690 | | 2.00 | 75.000 | 116.0 | |
| 80 03 28 1930 | | | .3 | 1 | 0.010 | 0.220 | 0.410 | 0.420 | 0.830 | 111.0 | 48.0 | 63.000 | 97.0 | 1.60 |
| 80 04 08 1900 | | | .3 | 1 | 0.002 | 0.783 | | | 1.205 | | 14.00 | 101.000 | 135.0 | |
| 80 04 15 1900 | | | .3 | 1 | 0.003 | 0.777 | | | 1.240 | | 1.00 | 101.000 | 155.0 | |
| 80 04 22 1900 | | | .3 | 1 | 0.021 | 0.174 | | | 0.605 | | 8.00 | 19.000 | 90.0 | |
| 80 04 29 1900 | | | 3 | 1 | 0.020 | 0.175 | | | 0.605 | | 8.00 | 62.000 | 95.0 | |
| 80 05 06 1900 | | | 3 | 1 | 0.021 | 0.209 | | | 0.580 | | 6.00 | 52.000 | 80.0 | |
| 80 05 12 1900 | | | .3 | 1 | 0.003 | 0.137 | | | 0.350 | | 2.00 | 36.000 | 55.0 | |
| 80 05 20 1800 | | | 3 | 1 | 0.006 | 0.144 | | | 0.520 | | 4.00 | 55.000 | 85.0 | |
| 80 05 27 1900 | | | .3 | 1 | 0.006 | 0.144 | | | 0.550 | | 4.00 | 52.000 | 80.0 | |
| 80 06 12 1900 | | | .3 | 1 | 0.007 | 0.148 | | | 0.485 | | 7.00 | 62.000 | 95.0 | |
| 80 06 18 1515 | | | .3 | 1 | | 0.144 | | | | | 3.0 | | 95.0 | |
| 80 06 19 1015 | | | .3 | 1 | | 0.152 | | | | | 2.0 | | 95.0 | |
| 80 06 23 0930 | | | .3 | 1 | | 0.119 | | | | | 2.0 | | 90.0 | |
| 80 06 25 1800 | | | .3 | 1 | 0.039 | | | | | | 6.00 | 65.000 | 100.0 | |
| 80 06 26 0915 | | | .3 | 1 | | 0.104 | | | | | 1.0 | | 95.0 | |
| 80 07 09 0915 | | | .3 | 1 | | 0.072 | | | | | 14.0 | | 110.0 | |
| 80 07 16 0930 | | | .3 | 1 | | | | | | | 5.0 | | 105.0 | |
| 80 07 23 0945 | | | .3 | 1 | | 0.078 | | | | | 2.0 | | 105.0 | |
| 80 07 28 1500 | | | .3 | 1 | 0.041 | 0.054 | | | 0.445 | | 5.00 | 62.000 | 95.0 | |
| 80 07 30 0915 | | | .3 | 1 | | | | | | | 4.0 | | 100.0 | |
| 80 08 06 0945 | | | .3 | 1 | | 0.044 | | | | | 3.0 | | 95.0 | |
| 80 08 13 0855 | | | 3 | 1 | | | | | | | 2.0 | | 135.0 | |
| 80 08 20 0920 | | | .3 | 1 | | | | | | | 4.0 | | 160.0 | |
| 80 08 26 1900 | | | .3 | 1 | 0.006 | 0.044 | | | 0.530 | | 1.00 | 86.000 | 132.0 | |
| 80 09 04 0930 | | | .3 | 1 | | 0.072 | | | | | 5.0 | | 128.0 | |
| 80 09 10 0915 | | | .3 | 1 | | | | | | | 3.0 | | 127.0 | |
| 80 09 17 0930 | | | 3 | 1 | | 0.039 | | | | | 9.0 | | 140.0 | |
| 80 09 24 0930 | | | .3 | 1 | | | | | | | 35.0 | | 375.0 | |
| 80 09 26 1600 | | | 3 | 1 | | | | | | | | 2959.0 | | |
| 80 10 01 1010 | | | .3 | 1 | | 0.125 | | | | | 8.0 | | 127.0 | |
| 80 10 08 0945 | | | .3 | 1 | | | | | | | 8.0 | | 165.0 | |
| 80 10 15 0930 | | | .3 | 1 | | 0.288 | | | | | 8.0 | | 200.0 | |
| 80 10 22 0945 | | | .3 | 1 | | | | | | | 6.0 | | 175.0 | |
| 80 10 26 1600 | | | .3 | 1 | 0.006 | 0.199 | | | 0.905 | | 7.00 | 96.000 | 148.0 | |
| 80 10 28 1005 | | | .3 | 1 | | 0.280 | | | | | 8.0 | | 190.0 | |
| 80 11 06 1110 | | | .3 | 1 | | 0.254 | | | | | 6.0 | | 180.0 | |
| 80 11 12 0950 | | | .3 | 1 | | | | | | | 4.0 | | 165.0 | |
| 80 11 19 1130 | | | 3 | 1 | | 0.196 | | | | | 3.0 | | 146.0 | |
| 80 11 26 1150 | | | .3 | 1 | | | | | | | 4.0 | | | |
| 80 12 04 1110 | | | .3 | 1 | | 0.246 | | | | | 6.0 | | 170.0 | |
| 80 12 10 1130 | | | .3 | 1 | | 0.235 | | | | | 3.0 | | 165.0 | |
| MAXIMUM | | | | | 0.041 | 0.783 | 0.410 | 0.420 | 1.240 | 111.0 | 48.0 | 2959.0 | 375.0 | 1.60 |
| ARITH MEAN | | | | | 0.013 | 0.196 | 0.410 | 0.420 | 0.681 | 111.0 | 6.8 | 246.6 | 129.9 | 1.60 |
| GEOM MEAN | | | | | 0.009 | 0.150 | | | 0.639 | | 4.6 | 77.9 | 122.1 | |
| MINIMUM | | | | | 0.002 | 0.039 | 0.410 | 0.420 | 0.350 | 111.0 | 1.00 | 19.000 | 55.0 | 1.60 |
| STD DEV | | | | | 0.013 | 0.174 | | | 0.270 | | 8.6 | 723.6 | 53.1 | |
| NO OF SAMPLES | | | | | 15 | 30 | 1 | 1 | 14 | 1 | 41 | 16 | 40 | 1 |

| TEST-NAME: | | | | | CLIDUR | SSO4UR | ALKT | PH | PHNOL | FEUT | ASUT | HGUT | ALUT | CRUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR |
| 80 02 28 0900 | | | .3 | 1 | | | 18.0 | 6.81 | | | 0.001< | 0.020< | | 0.020< |
| 80 03 28 1930 | | | .3 | 1 | 6.350 | 16.000 | | 7.52 | | 1.700 | 0.001< | 0.02 | | 0.02 < |
| 80 04 08 1900 | | | .3 | 1 | | | 16.0 | 6.96 | | | 0.004 | 0.020< | | 0.020< |
| 80 04 15 1900 | | | 3 | 1 | | | 16.0 | 7.22 | | | 0.001< | 0.020< | | 0.020< |
| 80 04 22 1900 | | | .3 | 1 | | | 14.0 | 6.90 | | | 0.001< | 0.020< | | 0.020< |
| 80 04 29 1900 | | | .3 | 1 | | | 15.0 | 7.15 | | | 0.001< | 0.060 | | 0.020< |
| 80 05 06 1900 | | | 3 | 1 | | | 12.0 | 7.12 | | | 0.001< | 0.030< | | 0.020< |
| 80 05 12 1900 | | | 3 | 1 | | | 16.0 | 7.42 | | | 0.001< | 0.120 | | 0.020< |
| 80 05 20 1800 | | | .3 | 1 | | | 13.0 | 7.15 | | | 0.001< | 0.030< | | 0.020< |
| 80 05 27 1900 | | | .3 | 1 | | | 13.0 | 7.21 | | | | | | |
| 80 06 12 1900 | | | .3 | 1 | | | 14.0 | 7.01 | | | 0.001< | 0.030< | | 0.020 |
| 80 06 18 1515 | | | .3 | 1 | | | | | 4.000 | | | 0.020< | | |
| 80 06 19 1015 | | | .3 | 1 | | | | | 5.000 | | | 0.030< | | |
| 80 06 23 0930 | | | .3 | 1 | | | | | | | | 0.040< | | |
| 80 06 25 1800 | | | 3 | 1 | | | 17.0 | 7.16 | | | 0.001< | 0.04 | | 0.02 < |
| 80 06 26 0915 | | | .3 | 1 | | | | | | | | 0.040< | | |
| 80 07 16 0930 | | | .3 | 1 | | | | | | | | 0.040< | | |
| 80 07 23 0945 | | | .3 | 1 | | | | | | | | 0.030 | | |
| 80 07 28 1500 | | | .3 | 1 | | | 21.0 | 6.78 | | | 0.001< | 0.04 < | | 0.002< |
| 80 08 06 0945 | | | .3 | 1 | | | | | | | | 0.040< | | |
| 80 08 13 0855 | | | .3 | 1 | | | | | | | | 0.040< | | |
| 80 08 20 0920 | | | .3 | 1 | | | | | | | | 0.030< | | |

(CONTD)

B.O.W./SITE **SPANISH RIVER**
SAMPLE POINT **AT BRIDGE SOUTH OF THE TOWN OF MASSEY**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SPANISH RIVER**

STATION ID **14-0028-038-83**
STORET CODE **02**
**002**
**7950**

LAT
LONG:
U.T.M. **17 0417750.0 5117450.0 4**
REGION **05**
DISTANCE **30.094**

| TEST-NAME: | | | | | CLIDUR | SSO4UR | ALKT | PH | PHNOL | FEUT | ASUT | HGUT | ALUT | CRUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR |
| 80 08 26 1900 | | | 3 | 1 | | | 24.0 | 6.85 | | | 0.001 | 0.040< | | 0.002 |
| 80 09 04 0930 | | | 3 | 1 | | | | | | | | 0.030< | | |
| 80 09 10 0915 | | | 3 | 1 | | | | | | | | 0.040< | | |
| 80 09 17 0930 | | | 3 | 1 | | | | | | | | 0.030< | | |
| 80 09 24 0930 | | | 3 | 1 | | | | | | | | 0.030< | | |
| 80 09 26 1600 | | | 3 | 1 | 190.000 | 1530.000 | | 8.65 | | | | 0.020< | | |
| 80 10 01 1010 | | | 3 | 1 | | | | | | | | 0.020< | | |
| 80 10 08 0945 | | | 3 | 1 | | | | | | | | 0.020< | | |
| 80 10 15 0930 | | | 3 | 1 | | | | | | | | 0.040< | | |
| 80 10 22 0945 | | | 3 | 1 | | | | | | | | 0.040< | | |
| 80 10 26 1600 | | | 3 | 1 | | | 24.0 | 6.88 | | | 0.001< | 0.040 | 0.005 | 0.002< |
| 80 10 28 1005 | | | 3 | 1 | | | | | | | | 0.030< | | |
| 80 11 06 1110 | | | 3 | 1 | | | | | | | | 0.040< | | |
| 80 11 12 0950 | | | 3 | 1 | | | | | | | | 0.030< | | |
| 80 11 19 1130 | | | 3 | 1 | | | | | | | | 0.080 | | |
| 80 12 04 1110 | | | 3 | 1 | | | | | | | | 0.040< | | |
| MAXIMUM | | | | | 190.000 | 1530.000 | 24.0 | 8.65 | 5.000 | 1.700 | 0.004 | 0.120 | 0.005 | 0.02 |
| ARITH MEAN | | | | | 98.175 | 773.000 | 16.6 | 7.17 | 4.500 | 1.700 | 0.001L | 0.03 L | 0.005 | 0.01 L |
| GEOM MEAN | | | | | 34.736 | 156.461 | 16.3 | 7.16 | 4.472 | | 0.001L | 0.03 L | | 0.01 L |
| MINIMUM | | | | | 6.350 | 16.000 | 12.0 | 6.78 | 4.000 | 1.700 | 0.001< | 0.020< | 0.005 | 0.002< |
| STD DEV | | | | | 129.860 | 1070.559 | 3.9 | 0.45 | 0.707 | | 0.001L | 0.01 L | | 0.00 L |
| NO OF SAMPLES | | | | | 2 | 2 | 14 | 16 | 2 | 1 | 14 | 37 | 1 | 14 |

| TEST-NAME: | | | | | CUUT | PBUT | CDUT | ZNUT | COUT | P1PCBT | X3PCPH | P3245T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | COBALT UNF.TOT. MG/L AS CO | PCB TOTAL UG/L | PENTACHL PHENOL UG/L | 245T UG/L |
| 80 02 28 0900 | | | 3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< | | 0.080 | | |
| 80 03 28 1930 | | | 3 | 1 | 0.01 < | 0.03 < | 0.005 < | 0.02 | | 0.020 | | |
| 80 04 08 1900 | | | 3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< | | 0.020R | | |
| 80 04 15 1900 | | | 3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< | | 0.020R | | |
| 80 04 22 1900 | | | 3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< | | | | |
| 80 04 29 1900 | | | 3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< | | 0.020R | | |
| 80 05 06 1900 | | | 3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< | | 0.020R | | |
| 80 05 12 1900 | | | 3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< | | 0.020R | | |
| 80 05 20 1800 | | | 3 | 1 | 0.010< | 0.030< | 0.005 < | 0.020 | | 0.020R | | |
| 80 05 27 1900 | | | 3 | 1 | | | | | | 0.020R | | |
| 80 06 12 1900 | | | 3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< | | 0.020R | | |
| 80 06 18 1515 | | | 3 | 1 | 0.010 | 0.030< | 0.005 < | | | 0.020R | | |
| 80 06 19 1015 | | | 3 | 1 | 0.020 | 0.030< | 0.005 < | | | 0.020R | | |
| 80 06 23 0930 | | | 3 | 1 | 0.010< | 0.030< | 0.005 < | | | 0.020R | | |
| 80 06 25 1800 | | | 3 | 1 | 0.01 < | 0.03 < | 0.005 < | 0.01 < | | | | |
| 80 06 26 0915 | | | 3 | 1 | 0.010< | 0.030< | 0.005 < | | | 0.020R | | |
| 80 07 09 0915 | | | 3 | 1 | 0.010< | 0.030< | 0.005 < | | | 0.020R | | |
| 80 07 16 0930 | | | 3 | 1 | | 0.030< | 0.005 < | | | 0.030 | | |
| 80 07 23 0945 | | | 3 | 1 | 0.010< | 0.030< | 0.005 < | | | 0.020R | 0.050R | 0.050R |
| 80 07 28 1500 | | | 3 | 1 | 0.001< | 0.003< | 0.0002< | 0.001< | | 0.020R | | |
| 80 07 30 0915 | | | 3 | 1 | | 0.030 | 0.005 < | | | 0.020R | | |
| 80 08 06 0945 | | | 3 | 1 | 0.010< | 0.030< | 0.005 < | | | 0.020R | 0.050R | 0.050R |
| 80 08 13 0855 | | | 3 | 1 | | 0.001< | 0.0001< | | | 0.020R | | |
| 80 08 20 0920 | | | 3 | 1 | | 0.003< | 0.0002< | | | 0.020R | | |
| 80 08 26 1900 | | | 3 | 1 | 0.003 | 0.003< | 0.0002< | 0.001< | | | | |
| 80 09 04 0930 | | | 3 | 1 | 0.005 | 0.003< | 0.0002< | | | 0.020R | | |
| 80 09 10 0915 | | | 3 | 1 | | | | | | 0.020R | | |
| 80 09 17 0930 | | | 3 | 1 | 0.002 | 0.003< | 0.0002< | | | 0.020R | 0.050R | 0.050R |
| 80 09 24 0930 | | | 3 | 1 | | | | | | 0.020R | | |
| 80 09 26 1600 | | | 3 | 1 | 0.002 | 0.003< | 0.0003 | 0.001 | 0.002< | 0.020R | | |
| 80 10 01 1010 | | | 3 | 1 | 0.003 | 0.003< | 0.0005 | | | 0.020R | 0.050R | 0.050R |
| 80 10 08 0945 | | | 3 | 1 | | 0.003< | 0.0002< | | | 0.020R | | |
| 80 10 15 0930 | | | 3 | 1 | 0.003 | 0.003< | 0.0002< | | | 0.020R | | |
| 80 10 22 0945 | | | 3 | 1 | | 0.003< | 0.0007 | | | 0.020R | | |
| 80 10 26 1600 | | | 3 | 1 | 0.001 | 0.003< | 0.0002< | 0.001 | | | | |
| 80 10 28 1005 | | | 3 | 1 | 0.001< | 0.003< | 0.0002< | | | 0.020R | 0.130 | 0.050R |
| 80 11 06 1110 | | | 3 | 1 | 0.022 | 0.003< | 0.0002< | | | 0.020R | 0.180 | 0.050R |
| 80 11 12 0950 | | | 3 | 1 | | 0.004 | 0.0002< | | | 0.020R | | |
| 80 11 19 1130 | | | 3 | 1 | 0.004 | 0.004 | 0.0002< | | | 0.020R | | |
| 80 11 26 1150 | | | 3 | 1 | | 0.005 | 0.004 | | | 0.020R | | |
| 80 12 04 1110 | | | 3 | 1 | 0.007 | 0.003< | 0.0003 | | | 0.020R | | |
| 80 12 10 1130 | | | 3 | 1 | 0.007 | 0.004 | 0.0002< | | | 0.020R | | |
| MAXIMUM | | | | | 0.022 | 0.030 | 0.005 | 0.020 | 0.002 | | 0.180 | 0.050 |
| ARITH MEAN | | | | | 0.00 L | 0.01 L | 0.002 L | 0.00 L | 0.002L | | 0.085B | 0.050B |
| GEOM MEAN | | | | | 0.00 L | 0.01 L | 0.001 L | 0.00 L | | | 0.073B | 0.050B |
| MINIMUM | | | | | 0.001< | 0.001< | 0.0001< | 0.001< | 0.002< | | 0.050 | 0.050 |
| STD DEV | | | | | 0.00 L | 0.01 L | 0.002 L | 0.00 L | | | 0.056B | 0.000B |
| NO OF SAMPLES | | | | | 31 | 39 | 39 | 15 | 1 | | 6 | 6 |

B.O.W./ SITE: **JUNCTION CREEK WEST BRANCH**
SAMPLE POINT: **AT LASALLE BLVD SUDBURY**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SPANISH RIVER**

STATION ID: **14-0028-040-02**
STORET CODE: **02**
**002**
**7950**

LAT: LONG: U T M: **17 0501570.0 5151860.0 4** REGION: **05** DISTANCE: **138.722**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 17 0900 | | | .3 | 1 | 14538 | 2 | | | | | | | | |
| 80 03 15 1700 | | | .3 | 1 | 14576 | 2 | | | | | | | | |
| 80 05 04 1400 | | | .3 | 1 | 14609 | 3 6 8 | 15.0 | 8.0 | 0.059 | 0.005 | 7.000 | 7.330 | 0.074 | 3.180 |
| 80 06 01 1215 | | | .3 | 1 | 14640 | 6 8 | 19.0 | 8.0 | 0.011 | 0.004 | 9.750 | 9.920 | 0.210 | 9.540 |
| 80 06 28 1100 | | | .3 | 1 | 14664 | 6 8 | 21.0 | 8.0 | 0.009 | 0.003 | 6.050 | 6.050 | 0.006 | 6.500 |
| 80 07 27 1125 | | | .3 | 1 | 14700 | 6 8 | 22.0 | 7.0 | 0.012 | 0.003 | 6.350 | 6.690 | 0.003 | 6.470 |
| 80 09 01 1915 | | | .3 | 1 | 14728 | 6 8 | 20.0 | 8.0 | 0.205 | 0.007 | 3.550 | 4.050 | 0.006 | 4.500 |
| 80 09 28 1045 | | | .3 | 1 | 14747 | 6 8 | 13.0 | 8.0 | 0.210 | 0.003 | 0.860 | 1.280 | 0.003 | 1.250 |
| 80 11 09 1400 | | | .3 | 1 | 14783 | 6 8 | 1.0 | 8.0 | 0.065 | 0.002 | 1.620 | 1.920 | 0.004 | 2.200 |
| 80 12 07 1235 | | | .3 | 1 | 14812 | 4 6 8 | 0.0 | 9.0 | 0.139 | 0.001< | 1.010 | 1.290 | 0.002 | 1.600 |
| MAXIMUM | | | | | | | 22.0 | 9.0 | 0.210 | 0.007 | 9.750 | 9.920 | 0.210 | 9.540 |
| ARITH MEAN | | | | | | | 13.9 | 8.0 | 0.089 | 0.003L | 4.524 | 4.816 | 0.038 | 4.406 |
| GEOM MEAN | | | | | | | 8.7 | 8.0 | 0.048 | 0.003L | 3.271 | 3.734 | 0.009 | 3.551 |
| MINIMUM | | | | | | | 0.0 | 7.0 | 0.009 | 0.001< | 0.860 | 1.280 | 0.002 | 1.250 |
| STD DEV | | | | | | | 8.8 | 0.5 | 0.085 | 0.002L | 3.257 | 3.192 | 0.074 | 2.908 |
| NO OF SAMPLES | | | | | | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 05 04 1400 | | | .3 | 1 | 10.254 | 0.330 | 10.584 | 1515.0 | 7.0 | 1508.0 | 1700.0 | 4.70 | 50.000 | 4.78 |
| 80 06 01 1215 | | | .3 | 1 | 19.500 | 0.170 | 19.670 | 1777.0 | 4.0 | | 1850.0 | 2.80 | 62.500 | 4.93 |
| 80 06 28 1100 | | | .3 | 1 | 12.556 | 0.000 | 12.556 | 1689.0 | 7.0 | 1682.0 | 1900.0 | 3.80 | 107.000 | 4.70 |
| 80 07 27 1125 | | | .3 | 1 | 12.823 | 0.340 | 13.163 | 1805.0 | 7.0 | 1798.0 | 2000.0 | 2.70 | 85.500 | 4.61 |
| 80 09 01 1915 | | | .3 | 1 | 8.056 | 0.500 | 8.556 | 1582.0 | 7.0 | 1575.0 | 1750.0 | 4.00 | 123.000 | 4.66 |
| 80 09 28 1045 | | | .3 | 1 | 2.113 | 0.420 | 2.533 | 582.0 | 12.0 | | 820.0 | 7.40 | 58.000 | 4.65 |
| 80 11 09 1400 | | | .3 | 1 | 3.824 | 0.300 | 4.124 | 749.0 | 20.0 | | 980.0 | 16.00 | 51.000 | 4.63 |
| 80 12 07 1235 | | | .3 | 1 | 2.612 | 0.280 | 2.892 | 573.0 | 11.0 | | 800.0 | 7.70 | 76.000 | 6.50 |
| MAXIMUM | | | | | 19.500 | 0.500 | 19.670 | 1805.0 | 20.0 | 1798.0 | 2000.0 | 16.00 | 123.000 | 6.50 |
| ARITH MEAN | | | | | 8.967 | 0.292 | 9.260 | 1284.0 | 9.4 | 1640.7 | 1475.0 | 6.14 | 76.625 | 4.93 |
| GEOM MEAN | | | | | 6.955 | 0.368 | 7.390 | 1158.4 | 8.4 | 1637.1 | 1383.8 | 5.15 | 72.818 | 4.90 |
| MINIMUM | | | | | 2.113 | 0.000 | 2.533 | 573.0 | 4.0 | 1508.0 | 800.0 | 2.70 | 50.000 | 4.61 |
| STD DEV | | | | | 6.036 | 0.153 | 5.983 | 548.4 | 5.0 | 127.0 | 514.5 | 4.41 | 26.898 | 0.64 |
| NO OF SAMPLES | | | | | 8 | 6 | 8 | 8 | 8 | 4 | 8 | 8 | 8 | 8 |

| TEST-NAME: | | | | | ALUT | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 05 04 1400 | | | .3 | 1 | 6.700 | 1.600 | 0.030< | 1.100 | 66.000 |
| 80 06 01 1215 | | | .3 | 1 | 4.800 | 1.300 | 0.030< | 1.200 | 19.000 |
| 80 06 28 1100 | | | .3 | 1 | 7.400 | 2.300 | 0.030< | 1.700 | 20.000 |
| 80 07 27 1125 | | | .3 | 1 | 14.000 | 2.900 | 0.030< | 2.000 | 35.000 |
| 80 09 01 1915 | | | .3 | 1 | 7.3 | 2.6 | 0.010 | 2.9 | 28 |
| 80 09 28 1045 | | | .3 | 1 | 4.4 | 1.6 | 0.003< | 0.87 | 8.0 |
| 80 11 09 1400 | | | .3 | 1 | 6.800 | 2.200 | 0.006 | 1.100 | 12.600 |
| 80 12 07 1235 | | | .3 | 1 | 1.500 | 0.790 | 0.003< | 0.570 | 6.800 |
| MAXIMUM | | | | | 14.000 | 2.900 | 0.030 | 2.9 | 66.000 |
| ARITH MEAN | | | | | 6.6 | 1.9 | 0.018L | 1.4 | 24 |
| GEOM MEAN | | | | | 5.6 | 1.7 | 0.012L | 1.2 | 18 |
| MINIMUM | | | | | 1.500 | 0.790 | 0.003< | 0.570 | 6.800 |
| STD DEV | | | | | 3.5 | 0.7 | 0.013L | 0.7 | 19 |
| NO OF SAMPLES | | | | | 8 | 8 | 8 | 8 | 8 |

B.O.W / SITE: **COPPER CLIFF CREEK**
SAMPLE POINT: **AT BALSAN ST.& SMELTER RD.COPPER CLIFF**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SPANISH RIVER**

STATION ID: **14-0028-041-02**
STORET CODE: **02**
**002**
**7950**

LAT LONG U T M: **17 0495420.0 5146140.0 4** REGION: **05** DISTANCE: **132.445**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 02 15 1000 | | | .3 | 1 | 14517 | 6 8 | 0.0 | 7.0 | | 0.040 | 0.001< | 45.800 | 70.000 | 0.250 |
| 80 03 14 1920 | | | .3 | 1 | 14555 | 6 8 | 0.0 | 8.0 | | 0.190 | 0.002 | 35.600 | 72.000 | 0.220 |
| 80 05 03 1600 | | | .3 | 1 | 14597 | 6 8 | 14.0 | 8.0 | | 0.100 | 0.007 | 31.500 | 42.500 | 0.270 |
| 80 06 01 1000 | | | .3 | 1 | 14634 | 6 8 | 19.0 | 7.0 | | 0.222 | 0.012 | 36.000 | 50.100 | 0.480 |
| 80 06 28 0920 | | | .3 | 1 | 14660 | 6 8 | 22.0 | 7.0 | | 0.045 | 0.002 | 43.500 | 13.200 | 0.074 |
| 80 07 27 1000 | | | .3 | 1 | 14697 | 6 8 | 22.0 | 7.0 | | 0.033 | 0.002 | 36.000 | 51.500 | 0.040 |
| 80 09 01 1825 | | | .3 | 1 | 14726 | 6 8 | 21.0 | 8.0 | 6.4 | 0.040 | 0.001 | 30.000 | 40.500 | 0.120 |
| 80 09 28 0940 | | | .3 | 1 | 14744 | 6 8 9 | 13.0 | 8.0 | | 0.035 | 0.003 | 32.000 | 44.100 | 0.001 |
| 80 11 08 1105 | | | .3 | 1 | 14766 | 6 8 | 2.0 | 8.0 | | 0.040 | 0.001 | 46.000 | 62.600 | 0.395 |
| 80 12 07 1135 | | | .3 | 1 | 14810 | 6 8 | 1.0 | 7.0 | | 0.023 | 0.001 | 32.800 | 66.000 | 0.320 |
| MAXIMUM | | | | | | | 22.0 | 8.0 | 6.4 | 0.222 | 0.012 | 46.000 | 72.000 | 0.480 |
| ARITH MEAN | | | | | | | 11.4 | 7.5 | 6.4 | 0.077 | 0.003L | 36.920 | 51.250 | 0.217 |
| GEOM MEAN | | | | | | | 6.1 | 7.5 | | 0.056 | 0.002L | 36.497 | 47.109 | 0.112 |
| MINIMUM | | | | | | | 0.0 | 7.0 | 6.4 | 0.023 | 0.001< | 30.000 | 13.200 | 0.001 |
| STD DEV | | | | | | | 9.7 | 0.5 | | 0.072 | 0.004L | 6.023 | 17.704 | 0.157 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 1 | 10 | 10 | 10 | 10 | 10 |

(CONTD)

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE **COPPER CLIFF CREEK**
SAMPLE POINT **AT BALSAN ST.& SMELTER RD.COPPER CLIFF**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SPANISH RIVER**

STATION ID **14-0028-041-02**
STORET CODE **02**
**002**
**7950**

LAT LONG U T M: **17 0495420.0 5146140.0 4** REGION: **05** DISTANCE: **132.445**

| TEST-NAME: | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 02 15 1000 | | 3 | 1 | 3 000 | 49 050 | 24.200 | 73 250 | 2608 0 | 20 0 | | 3100 0 | 26 00 | 255.000 |
| 80 03 14 1920 | | 3 | 1 | 2 880 | 38 700 | 36.400 | 75 100 | 2666 0 | 27 0 | | 3250.0 | 29 00 | 263.000 |
| 80 05 03 1600 | | 3 | 1 | 1 980 | 33 750 | 11.000 | 44 750 | 1942 0 | 34 0 | 1908 0 | 2400.0 | 37.00 | 66.000 |
| 80 06 01 1000 | | 3 | 1 | 1 830 | 38.310 | 14.100 | 52 410 | 2444.0 | 25 0 | | 2600 0 | 57.00 | 68 000 |
| 80 06 28 0920 | | 3 | 1 | 0.006 | 43.580 | 30 300 | 13.280 | 2652 0 | 16 0 | 2636.0 | 3050.0 | 35.00 | 78.000 |
| 80 07 27 1000 | | 3 | 1 | 0 005< | 36 045 | 15 500 | 51.545 | 2784 00 | 17 00 | 2767 00 | 3100 0 | 23.00 | 76.500 |
| 80 09 01 1825 | | 3 | 1 | 0 020 | 30 140 | 10.500 | 40 640 | | 4 0 | | 3200.0 | 3 00 | 98 000 |
| 80 09 28 0940 | | 3 | 1 | 0 089 | 32 090 | 12.100 | 44.190 | 2777 0 | 33.0 | | 3000 0 | 32 00 | 78 000 |
| 80 11 08 1105 | | 3 | 1 | | | 16 600 | | 2782 0 | 37 0 | | 3250 0 | 56 00 | 121 000 |
| 80 12 07 1135 | | 3 | 1 | 1 730 | 34.850 | 33 200 | 68.050 | 2774 0 | 20 0 | | 3250 0 | 5.30 | 180 000 |
| MAXIMUM | | | | **3.000** | **49.050** | **36.400** | **75.100** | **2784.00** | **37.0** | **2767.00** | **3250.0** | **57.00** | **263.000** |
| ARITH MEAN | | | | **1.282L** | **37.391** | **20.390** | **51.468** | **2603.2** | **23.3** | **2437.0** | **3020.0** | **30.33** | **128.350** |
| GEOM MEAN | | | | **0.242L** | **37.000** | **18.418** | **46.811** | **2588.7** | **20.3** | **2405.3** | **3006.2** | **22.71** | **111.575** |
| MINIMUM | | | | **0.005<** | **30.140** | **10.500** | **13.280** | **1942.0** | **4.0** | **1908.0** | **2400.0** | **3.00** | **66.000** |
| STD DEV | | | | **1.263L** | **5.905** | **9.808** | **19.308** | **272.2** | **10.0** | **462.7** | **291.7** | **17.91** | **76.813** |
| NO OF SAMPLES | | | | **9** | **9** | **10** | **9** | **9** | **10** | **3** | **10** | **10** | **10** |

| TEST-NAME: | | | | PH | ASUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PH | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 02 15 1000 | | 3 | 1 | | 0 002 | | | 0 070 | 0.030< | | 0 030 | 3 600 | |
| 80 03 14 1920 | | 3 | 1 | | 0 002 | 0 680 | 0 020< | 0 080 | 0 030< | 0 005 < | 0.010< | 2 600 | 0 020< |
| 80 05 03 1600 | | 3 | 1 | 7 43 | 0 006 | 1 300 | 0.020< | 0 240 | 0 030< | 0 005 < | 0 080 | 4 000 | 0 130 |
| 80 06 01 1000 | | 3 | 1 | 5 95 | | 0 720 | | 0 110 | 0.030< | | 0 050 | 2 500 | |
| 80 06 28 0920 | | 3 | 1 | 5 86 | | 0.680 | | 0 100 | 0 030< | | 0 040 | 2 500 | |
| 80 07 27 1000 | | 3 | 1 | 5.35 | 0 001 | | | 0 090 | 0 030< | | 0.030 | 2 000 | |
| 80 09 01 1825 | | 3 | 1 | 5.00 | | 0.610 | | | 0 003< | | 0 110 | 9.700 | |
| 80 09 28 0940 | | 3 | 1 | 5 02 | 0 002 | 1 3 | 0.005 | 0 19 | 0.003< | 0 001 | 0 17 | 5 1 | 0.200 |
| 80 11 08 1105 | | 3 | 1 | 6 61 | | 6 600 | | 1 000 | 0.003< | | 0 390 | 0 180 | |
| 80 12 07 1135 | | 3 | 1 | 9 24 | 0 003 | 0.650 | 0 009 | 0 086 | 0.006< | 0 0004< | 0.033 | 2 500 | 0 035 |
| MAXIMUM | | | | **9.24** | **0.006** | **6.600** | **0.020** | **1.000** | **0.030** | **0.005** | **0.390** | **9.700** | **0.200** |
| ARITH MEAN | | | | **6.31** | **0.003** | **1.5** | **0.013L** | **0.21** | **0.019L** | **0.002 L** | **0.09 L** | **3.4** | **0.096L** |
| GEOM MEAN | | | | **6.18** | **0.002** | **1.0** | **0.012L** | **0.14** | **0.013L** | **0.001 L** | **0.05 L** | **2.5** | **0.065L** |
| MINIMUM | | | | **5.00** | **0.001** | **0.610** | **0.005<** | **0.070** | **0.003<** | **0.0004<** | **0.010<** | **0.180** | **0.020<** |
| STD DEV | | | | **1.44** | **0.002** | **2.0** | **0.008L** | **0.29** | **0.014L** | **0.002 L** | **0.11 L** | **2.5** | **0.085L** |
| NO OF SAMPLES | | | | **8** | **6** | **8** | **4** | **9** | **10** | **4** | **10** | **10** | **4** |

B.O.W./ SITE **JUNCTION CREEK**
SAMPLE POINT **AT ORELL STREET CARSON**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SPANISH RIVER**

STATION ID **14-0028-042-02**
STORET CODE **02**
**002**
**7950**

LAT LONG U T M: **17 0510260.0 5155420.0 4** REGION: **05** DISTANCE: **150.148**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 16 1220 | | 3 | 1 | 14532 | 6 8 | 0 0 | 9.0 | 0.006 | 0 001< | 3 280 | 3 500 | 1.240 | 6.760 |
| 80 03 15 1420 | | 3 | 1 | 14570 | 6 8 | 0.0 | 9 0 | 0 030 | 0.001< | 3 570 | 4 350 | 1.550 | 7.450 |
| 80 05 04 1200 | | 3 | 1 | 14605 | 6 8 | 14 0 | 8 0 | 0 069 | 0.016 | 2 300 | 2.750 | 1.200 | 4 800 |
| 80 05 31 1800 | | 3 | 1 | 14629 | 6 8 | 18.0 | 9 0 | 0 018 | 0 001< | 2 620 | 3.240 | 1.700 | 6 700 |
| 80 06 28 1125 | | 3 | 1 | 14665 | 6 8 | 21 0 | 8.0 | 0 020 | 0.001< | 2 920 | 3.500 | 1 850 | 6 650 |
| 80 07 26 1410 | | 3 | 1 | 14688 | 6 8 | 21.0 | 9 0 | 0 013 | 0.001 | 2.380 | 4 700 | 1.850 | 8 250 |
| 80 09 01 1415 | | 3 | 1 | 14717 | 6 8 | 20 0 | 9 0 | 0 022 | 0.011 | 2 260 | 2 450 | 1.450 | 4 650 |
| 80 09 28 1345 | | 3 | 1 | 14753 | 6 8 | 12.0 | 9.0 | 0 005 | 0 003 | 2 050 | 2.200 | 2 300 | 4.700 |
| 80 11 09 1500 | | 3 | 1 | 14785 | 6 8 | 1 0 | 9.0 | 0 015 | 0.001< | 2 000 | 2 790 | 1 220 | 5.280 |
| 80 12 06 1420 | | 3 | 1 | 14801 | 6 8 | 0.0 | 8.0 | 0 009 | 0 001< | 2 900 | 3 630 | 1.400 | 5 850 |
| MAXIMUM | | | | | | **21.0** | **9.0** | **0.069** | **0.016** | **3.570** | **4.700** | **2.300** | **8.250** |
| ARITH MEAN | | | | | | **10.7** | **8.7** | **0.021** | **0.004L** | **2.628** | **3.311** | **1.576** | **6.109** |
| GEOM MEAN | | | | | | **5.5** | **8.7** | **0.016** | **0.002L** | **2.582** | **3.225** | **1.543** | **5.995** |
| MINIMUM | | | | | | **0.0** | **8.0** | **0.005** | **0.001<** | **2.000** | **2.200** | **1.200** | **4.650** |
| STD DEV | | | | | | **9.4** | **0.5** | **0.019** | **0.005L** | **0.528** | **0.799** | **0.352** | **1.249** |
| NO OF SAMPLES | | | | | | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** |

| TEST-NAME: | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 02 16 1220 | | 3 | 1 | 11 280 | 0 220 | 11.500 | 829 0 | 2 0 | | 1040.0 | 1.30 | | |
| 80 03 15 1420 | | 3 | 1 | 12.570 | 0 780 | 13 350 | 833 0 | 11 0 | | 1220 0 | 1.30 | 80.000 | |
| 80 05 04 1200 | | 3 | 1 | 8.300 | 0 450 | 8 750 | 838 0 | 1 0 | 837 0 | 1150 0 | 0.80 | 67 000 | 7 84 |
| 80 05 31 1800 | | 3 | 1 | 11 020 | 0 620 | 11.640 | 1133.0 | 12 0 | | 1800 0 | 2 30 | 86 500 | 11.43 |
| 80 06 28 1125 | | 3 | 1 | 11 420 | 0.580 | 12.000 | 1114.0 | 9 0 | 1105 0 | 1700.0 | 1 70 | 97 500 | 11.32 |
| 80 07 26 1410 | | 3 | 1 | 12.480 | 2 320 | 14 800 | 964 0 | 2.0 | 962.0 | 1400 0 | 0.70 | 79 500 | 10 88 |
| 80 09 01 1415 | | 3 | 1 | 8 360 | 0 190 | 8.550 | 1002 0 | 2 0 | 1000 0 | 1300 0 | 0 79 | 73.000 | 7 83 |
| 80 09 28 1345 | | 3 | 1 | 9 050 | 0.150 | 9 200 | 777.0 | 3 0 | | 1160.0 | 1.40 | 76.000 | 8 72 |
| 80 11 09 1500 | | 3 | 1 | 8 500 | 0.790 | 9 290 | 983 0 | 2 0 | | 1360 0 | 0.90 | 97 000 | 9 64 |
| 80 12 06 1420 | | 3 | 1 | 10 150 | 0 730 | 10.880 | 1060 0 | 10 0 | | 1850 0 | 2 00 | 104.000 | 11 50 |
| MAXIMUM | | | | **12.570** | **2.320** | **14.800** | **1133.0** | **12.0** | **1105.0** | **1850.0** | **2.30** | **104.000** | **11.50** |
| ARITH MEAN | | | | **10.313** | **0.883** | **10.996** | **953.3** | **5.4** | **976.0** | **1398.0** | **1.32** | **84.600** | **9.89** |
| GEOM MEAN | | | | **10.189** | **0.604** | **10.824** | **946.5** | **3.8** | **971.2** | **1372.5** | **1.22** | **83.678** | **9.78** |
| MINIMUM | | | | **8.300** | **0.150** | **8.550** | **777.0** | **1.0** | **837.0** | **1040.0** | **0.70** | **67.000** | **7.83** |
| STD DEV | | | | **1.674** | **0.626** | **2.078** | **127.9** | **4.5** | **110.7** | **287.9** | **0.56** | **12.677** | **1.60** |
| NO OF SAMPLES | | | | **10** | **10** | **10** | **10** | **10** | **4** | **10** | **10** | **9** | **8** |

(CONTD)

| TEST-NAME: | | | | ALUT | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT MG/L AS NI |
| 80 02 16 1220 | | 3 | 1 | 0.020< | 0.020 | 0.030< | 0.010< | 0.020< |
| 80 03 15 1420 | | 3 | 1 | 0.020< | 0.010< | 0.030< | 0.010< | 0.070 |
| 80 05 04 1200 | | 3 | 1 | 0.020< | 0.010 | 0.030< | 0.010< | 0.310 |
| 80 05 31 1800 | | 3 | 1 | 0.020< | 0.020 | 0.030< | 0.010< | 0.070 |
| 80 06 28 1125 | | 3 | 1 | 0.110 | 0.030 | 0.030< | 0.010 | 0.160 |
| 80 07 26 1410 | | 3 | 1 | 0.020< | 0.010< | 0.030< | 0.010< | 0.030 |
| 30 09 01 1415 | | 3 | 1 | 0.010 | 0.016 | 0.003< | 0.005 | 1.3 |
| 80 09 28 1345 | | 3 | 1 | 0.024 | 0.025 | 0.003 | 0.011 | 0.36 |
| 80 11 09 1500 | | 3 | 1 | 0.066 | 0.023 | 0.003< | 0.017 | 0.260 |
| 80 12 06 1420 | | 3 | 1 | 0.030 | 0.014 | 0.003< | 0.003 | 0.060 |
| MAXIMUM | | | | 0.110 | 0.030 | 0.030 | 0.017 | 1.3 |
| ARITH MEAN | | | | 0.034L | 0.018L | 0.019L | 0.010L | 0.2 L |
| GEOM MEAN | | | | 0.028L | 0.017L | 0.012L | 0.009L | 0.1 L |
| MINIMUM | | | | 0.010< | 0.010< | 0.003< | 0.003< | 0.020< |
| STD DEV | | | | 0.031L | 0.007L | 0.014L | 0.004L | 0.3 L |
| NO OF SAMPLES | | | | 10 | 10 | 10 | 10 | 10 |

B.O.W./ SITE: **NOLIN CREEK**
SAMPLE POINT: **AT HIGHWAY NO 144**
STATION TYPE: **RIVER FLOW GAUGE FED 02CF009**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SPANISH RIVER**

STATION ID: **14-0028-043-02**
STORET CODE: **02**
**002**
**7950**

LAT:
LONG:
U T M **17 0498240.0 5148520.0 4**
REGION: **05**
DISTANCE: **138.848**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 02 15 1040 | | 3 | 1 | 14519 | 6 8 0 | 0.035 | 0.0 | 7.0 | 0.005 | 0.001< | 10.600 | 11.600 | 0.022 |
| 80 03 14 2010 | | 3 | 1 | 14557 | 6 8 4 | 0.019 | 0.0 | 8.0 | 0.015 | 0.002 | 23.500 | 27.500 | 0.020 |
| 80 05 03 1650 | | 3 | 1 | 14599 | 6 8 | 0.191 | 14.0 | 7.0 | 0.010 | 0.001 | 3.650 | 4.400 | 0.008 |
| 80 06 01 1040 | | 3 | 1 | 14636 | 6 8 | 0.041 | 20.0 | 7.0 | 0.010 | 0.001< | 12.500 | 17.000 | 0.012 |
| 80 06 28 1005 | | 3 | 1 | 14662 | 6 8 | 0.037 | 22.0 | 7.0 | 0.065 | 0.008 | 19.800 | 26.500 | 0.004 |
| 80 07 27 1100 | | 3 | 1 | 14699 | 6 8 | 0.059 | 22.0 | 7.0 | 0.010 | 0.002 | 16.800 | 23.800 | 0.009 |
| 80 09 01 1850 | | 3 | 1 | 14727 | 6 8 | 0.118 | 21.0 | 8.0 | 0.008 | 0.002 | 13.800 | 15.500 | 0.009 |
| 80 09 28 1005 | | 3 | 1 | 14745 | 6 8 9 | 0.244 | 14.0 | 8.0 | 0.015 | 0.001< | 5.200 | 4.150 | 0.006 |
| 80 11 08 1130 | | 3 | 1 | 14767 | 6 8 | 0.091 | 2.0 | 7.0 | 0.002 | 0.001 | 8.400 | 22.400 | 0.005 |
| 80 12 07 1210 | | 3 | 1 | 14811 | 6 8 | 0.038 | 0.0 | 8.0 | 0.005 | 0.001< | 17.900 | 19.800 | 0.011 |
| MAXIMUM | | | | | | 0.244 | 22.0 | 8.0 | 0.065 | 0.008 | 23.500 | 27.500 | 0.022 |
| ARITH MEAN | | | | | | 0.087 | 11.5 | 7.4 | 0.014 | 0.002L | 13.215 | 17.266 | 0.011 |
| GEOM MEAN | | | | | | 0.064 | 6.2 | 7.4 | 0.009 | 0.002L | 11.509 | 14.584 | 0.009 |
| MINIMUM | | | | | | 0.019 | 0.0 | 7.0 | 0.002 | 0.001< | 3.650 | 4.150 | 0.004 |
| STD DEV | | | | | | 0.076 | 9.9 | 0.5 | 0.018 | 0.002L | 6.417 | 8.422 | 0.006 |
| NO OF SAMPLES | | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 02 15 1040 | | 3 | 1 | 0.148 | 10.770 | 1.000 | 11.770 | 1967.0 | 20.0 | | 3450.0 | 8.50 | 98.000 |
| 80 03 14 2010 | | 3 | 1 | 0.110 | 23.630 | 4.000 | 27.630 | 3937.0 | 71.0 | | 8000.0 | 27.00 | 108.000 |
| 80 05 03 1650 | | 3 | 1 | 0.942 | 4.600 | 0.750 | 5.350 | 1354.0 | 15.0 | 1339.0 | 1900.0 | 3.50 | 76.000 |
| 80 06 01 1040 | | 3 | 1 | 0.183 | 12.695 | 4.500 | 17.195 | 3490.0 | 2.0 | | 7000.0 | 0.75 | 69.000 |
| 80 06 28 1005 | | 3 | 1 | 0.276 | 20.080 | 6.700 | 26.780 | 3100.0 | 55.0 | 3045.0 | 3050.0 | 53.00 | 83.000 |
| 80 07 27 1100 | | 3 | 1 | 0.306 | 17.115 | 7.000 | 24.115 | 2838.0 | 4.0 | 2834.0 | 2950.0 | 1.50 | 103.000 |
| 80 09 01 1850 | | 3 | 1 | 0.461 | 14.270 | 1.700 | 15.970 | 274.0 | 4.0 | 2170.0 | 2350.0 | 1.80 | 68.000 |
| 80 09 28 1005 | | 3 | 1 | 1.340 | 6.546 | 1.050 | 5.496 | 1569.0 | 298.0 | | 2250.0 | 140.00 | 35.500 |
| 80 11 08 1130 | | 3 | 1 | 0.488 | 8.893 | 14.000 | 22.893 | 1688.0 | 13.0 | | 2000.0 | 2.50 | 53.000 |
| 80 12 07 1210 | | 3 | 1 | 0.179 | 18.090 | 1.900 | 19.990 | 2756.0 | 42.0 | | 3950.0 | 11.00 | 70.000 |
| MAXIMUM | | | | 1.340 | 23.630 | 14.000 | 27.630 | 3937.0 | 298.0 | 3045.0 | 8000.0 | 140.00 | 108.000 |
| ARITH MEAN | | | | 0.443 | 13.669 | 4.260 | 17.719 | 2297.3 | 52.4 | 2347.0 | 3690.0 | 24.95 | 76.350 |
| GEOM MEAN | | | | 0.324 | 12.261 | 2.804 | 15.452 | 1909.3 | 19.0 | 2237.7 | 3265.7 | 7.11 | 72.918 |
| MINIMUM | | | | 0.110 | 4.600 | 0.750 | 5.350 | 274.0 | 2.0 | 1339.0 | 1900.0 | 0.75 | 35.500 |
| STD DEV | | | | 0.400 | 6.121 | 4.134 | 8.126 | 1118.2 | 89.4 | 768.5 | 2122.5 | 43.63 | 22.615 |
| NO OF SAMPLES | | | | 10 | 10 | 10 | 10 | 10 | 10 | 4 | 10 | 10 | 10 |

| TEST-NAME: | | | | PH | ASUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PH | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 02 15 1040 | | 3 | 1 | | 0.001 | 0.340 | 0.020< | 0.070 | 0.030< | 0.005 < | 0.030 | 3.600 | 0.020< |
| 80 03 14 2010 | | 3 | 1 | | 0.001< | 0.170 | 0.020< | 0.250 | 0.030< | 0.005 < | 0.010 | 0.200 | 0.020< |
| 80 05 03 1650 | | 3 | 1 | 11.41 | 0.002 | 1.000 | 0.020< | 0.160 | 0.030< | 0.005 < | 0.010< | 0.060 | 0.020< |
| 80 06 01 1040 | | 3 | 1 | 12.43 | 0.001< | 0.020< | 0.050< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020< |
| 80 06 28 1005 | | 3 | 1 | 3.59 | 0.001< | 0.780 | 0.020< | 0.080 | 0.030< | 0.005 < | 0.020 | 0.150 | 0.020< |
| 80 07 27 1100 | | 3 | 1 | 10.16 | 0.001< | 0.110 | 0.020< | 0.100 | 0.030< | 0.040 | 0.010< | 0.180 | 2.700 |
| 80 09 01 1850 | | 3 | 1 | 7.95 | | 0.082 | | 0.051 | 0.003< | | 0.011 | 0.51 | |
| 80 09 28 1005 | | 3 | 1 | 11.75 | 0.001 | 2.8 | 0.020< | 1.9 | 0.03 < | 0.002 < | 0.12 | 4.6 | 0.210 |
| 80 11 08 1130 | | 3 | 1 | 10.95 | 0.001 | 0.300 | 0.001< | 0.055 | 0.003< | 0.0002< | 0.006 | 0.100 | 0.004 |
| 80 12 07 1210 | | 3 | 1 | 12.00 | 0.001< | 0.280 | 0.004< | 0.031 | 0.008 | 0.0004< | 0.010 | 0.130 | 0.004< |
| MAXIMUM | | | | 12.43 | 0.002 | 2.8 | 0.050 | 1.9 | 0.03 | 0.040 | 0.12 | 4.6 | 2.700 |
| ARITH MEAN | | | | 10.03 | 0.001L | 0.5 L | 0.019L | 0.2 L | 0.02 L | 0.007 L | 0.02 L | 0.9 L | 0.336L |
| GEOM MEAN | | | | 9.45 | 0.001L | 0.2 L | 0.013L | 0.0 L | 0.01 L | 0.003 L | 0.01 L | 0.2 L | 0.031L |
| MINIMUM | | | | 3.59 | 0.001< | 0.020< | 0.001< | 0.010< | 0.003< | 0.0002< | 0.006< | 0.020< | 0.004< |
| STD DEV | | | | 2.96 | 0.000L | 0.8 L | 0.014L | 0.5 L | 0.01 L | 0.012 L | 0.03 L | 1.6 L | 0.889L |
| NO OF SAMPLES | | | | 8 | 9 | 10 | 9 | 10 | 10 | 9 | 10 | 10 | 9 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **SPANISH RIVER**
SAMPLE POINT: **UPSTR.FROM E B EDDY PAPER MILL ESPANOLA**
STATION TYPE: **RIVER FLOW GAUGE FED 02CE001**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SPANISH RIVER**

STATION ID: **14-0028-045-02**

STORET CODE: **02**
**002**
**7950**

LAT

LONG:

U T M: **17 0440725.0 5124250.0 4**

REGION: **05**

DISTANCE: **50.532**

| TEST-NAME: | | | | *SAMPLE* | *FWSTRC* | *FWFLOW* | *FWTEMP* | *DO* | *BOD5* | *PPUT* | *PPO4FR* | *NNHTFR* | *NNTKUR* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N |
| 80 02 09 1445 | | .3 | 1 | 14512 | 4 6 8 | 94.800 | 0.0 | 13.0 | 0.4 | 0.006 | 0.001< | 0.028 | 0.250 |
| 80 03 07 1430 | | .3 | 1 | 14550 | 4 6 8 | 71.100 | 0.0 | 12.0 | | 0.009 | 0.001< | 0.024 | 0.270 |
| 80 06 05 1500 | | .3 | 1 | 11785 | | 99.800 | 16.5 | 10.0 | 0.6 | 0.016 | 0.009 | 0.098 | 0.440 |
| 80 06 25 1150 | | .3 | 1 | 11786 | | 74.400 | 17.0 | 9.3 | 0.6 | 0.006 | 0.001 | 0.044 | 0.330 |
| 80 07 15 1245 | | .3 | 1 | 11787 | | 56.300 | 22.5 | 8.9 | 0.6 | 0.008 | 0.001 | 0.038 | 0.350 |
| 80 07 30 1600 | | .3 | 1 | 11788 | | 63.700 | 23.0 | 9.1 | 0.8 | 0.011 | 0.002 | 0.014 | 0.260 |
| 80 08 28 1935 | | .3 | 1 | 11789 | | 41.800 | 22.0 | 8.4 | 0.6 | 0.009 | 0.002 | 0.016 | 0.310 |
| 80 09 24 1430 | | .3 | 1 | 11790 | | 67.800 | | | 3.4 | 0.010 | 0.001< | 0.020 | 0.330 |
| 80 10 15 1450 | | .3 | 1 | 11791 | | 80.800 | 11.0 | 10.5 | | 0.085 | 0.005 | 0.136 | 0.450 |
| MAXIMUM | | | | | | **99.800** | **23.0** | **13.0** | **3.4** | **0.085** | **0.009** | **0.136** | **0.450** |
| ARITH MEAN | | | | | | **72.278** | **14.0** | **10.1** | **1.0** | **0.018** | **0.003L** | **0.046** | **0.332** |
| GEOM MEAN | | | | | | **70.143** | **8.8** | **10.0** | **0.8** | **0.011** | **0.002L** | **0.034** | **0.326** |
| MINIMUM | | | | | | **41.800** | **0.0** | **8.4** | **0.4** | **0.006** | **0.001<** | **0.014** | **0.250** |
| STD DEV | | | | | | **18.101** | **9.5** | **1.6** | **1.1** | **0.025** | **0.003L** | **0.042** | **0.073** |
| NO OF SAMPLES | | | | | | **9** | **8** | **8** | **7** | **9** | **9** | **9** | **9** |

| TEST-NAME: | | | | *NNO2FR* | *NNO3FR* | *NNTIFR* | *NNKUR* | *NNKI* | *RST* | *RSP* | *RSF* | *. COND25* | *TURB* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 02 09 1445 | | .3 | 1 | 0.003 | 0.115 | 0.146 | 0.222 | 0.368 | 34.0 | 0.6 | | 50.0 | 0.70 |
| 80 03 07 1430 | | .3 | 1 | 0.007 | 0.119 | 0.150 | 0.246 | 0.396 | 33.0 | 0.7 | | 50.0 | 0.70 |
| 80 06 05 1500 | | .3 | 1 | 0.007 | 0.164 | 0.269 | 0.342 | 0.611 | 64.00 | 2.00 | 62.000 | 95.0 | 1.20 |
| 80 06 25 1150 | | .3 | 1 | 0.005 | 0.140 | 0.189 | 0.286 | 0.475 | 57.00 | 2.00 | 55.000 | 85.0 | 1.30 |
| 80 07 15 1245 | | .3 | 1 | 0.007 | 0.223 | 0.268 | 0.312 | 0.580 | 93.00 | 2.00 | 91.000 | 140.0 | 1.20 |
| 80 07 30 1600 | | .3 | 1 | 0.004 | 0.061 | 0.079 | 0.246 | 0.325 | 60.00 | 1.00 | 59.000 | 90.0 | 0.55 |
| 80 08 28 1935 | | .3 | 1 | 0.006 | 0.109 | 0.131 | 0.294 | 0.425 | 69.00 | 1.00 | 68.000 | 105.0 | 0.65 |
| 80 09 24 1430 | | .3 | 1 | 0.002 | 0.338 | 0.360 | 0.310 | 0.670 | 57.00 | 2.00 | 55.000 | 85.0 | 1.10 |
| 80 10 15 1450 | | .3 | 1 | 0.012 | 0.233 | 0.381 | 0.314 | 0.695 | 99.00 | 0.80 | | 150.0 | 0.80 |
| MAXIMUM | | | | **0.012** | **0.338** | **0.381** | **0.342** | **0.695** | **99.00** | **2.00** | **91.000** | **150.0** | **1.30** |
| ARITH MEAN | | | | **0.008** | **0.167** | **0.219** | **0.286** | **0.505** | **62.8** | **1.3** | **65.000** | **94.4** | **0.91** |
| GEOM MEAN | | | | **0.005** | **0.149** | **0.196** | **0.283** | **0.488** | **59.1** | **1.2** | **63.962** | **88.7** | **0.87** |
| MINIMUM | | | | **0.002** | **0.061** | **0.079** | **0.222** | **0.325** | **33.0** | **0.6** | **55.000** | **50.0** | **0.55** |
| STD DEV | | | | **0.003** | **0.084** | **0.106** | **0.040** | **0.137** | **22.5** | **0.6** | **13.638** | **34.3** | **0.29** |
| NO OF SAMPLES | | | | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **6** | **9** | **9** |

| TEST-NAME: | | | | *CLIDUR* | *SSO4UR* | *ALKT* | *PH* | *FWPH* | *PHNOL* | *CAUR* | *MGUR* | *KKUR* | *NAUR* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA |
| 80 02 09 1445 | | .3 | 1 | 0.850 | | | | | | | | | |
| 80 03 07 1430 | | .3 | 1 | 0.800 | | | | | | | | | |
| 80 06 05 1500 | | .3 | 1 | 3.850 | 23.000 | 12.0 | 7.32 | | | 9.200 | 1.850 | 0.85 | 3.900 |
| 80 06 25 1150 | | .3 | 1 | 3.150 | 20.500 | 14.0 | 7.25 | | 1.000< | 7.600 | 1.700 | 0.65 | 3.500 |
| 80 07 15 1245 | | .3 | 1 | 6.400 | 36.000 | 17.0 | 7.62 | 4.5 | 1.000< | 14.400 | 2.600 | 1.15 | 6.400 |
| 80 07 30 1600 | | .3 | 1 | 3.200 | 20.500 | 14.0 | 7.04 | 4.5 | 1.000< | 8.400 | 1.750 | 0.70 | 3.000 |
| 80 08 28 1935 | | .3 | 1 | 4.100 | 23.500 | | 7.23 | 4.6 | | 10.600 | 2.500 | 0.75 | 4.200 |
| 80 09 24 1430 | | .3 | 1 | 2.950 | 20.500 | 16.0 | 7.13 | | 1.000 | 8.400 | 2.000 | 0.70 | 3.600 |
| 80 10 15 1450 | | .3 | 1 | 6.200 | 39.500 | 20.0 | 7.23 | | 1.000< | 13.800 | 2.750 | 1.15 | 6.700 |
| MAXIMUM | | | | **6.400** | **39.500** | **20.0** | **7.62** | **4.6** | **1.000** | **14.400** | **2.750** | **1.15** | **6.700** |
| ARITH MEAN | | | | **3.500** | **26.214** | **15.5** | **7.26** | **4.5** | **1.000L** | **10.343** | **2.164** | **0.86** | **4.471** |
| GEOM MEAN | | | | **2.857** | **25.293** | **15.3** | **7.26** | **4.5** | **1.000L** | **10.055** | **2.127** | **0.83** | **4.288** |
| MINIMUM | | | | **0.800** | **20.500** | **12.0** | **7.04** | **4.5** | **1.000<** | **7.600** | **1.700** | **0.65** | **3.000** |
| STD DEV | | | | **1.969** | **8.041** | **2.8** | **0.18** | **0.1** | **0.000L** | **2.734** | **0.439** | **0.21** | **1.469** |
| NO OF SAMPLES | | | | **9** | **7** | **6** | **7** | **3** | **6** | **7** | **7** | **7** | **7** |

| TEST-NAME: | | | | *COD* | *MNUT* |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | CHEM. OX DEMAND MG/L AS O | MANGANSE UNF.TOT. MG/L AS MN |
| 80 06 05 1500 | | .3 | 1 | 28 | 0.036 |
| 80 06 25 1150 | | .3 | 1 | 10< | 0.032 |
| 80 07 15 1245 | | .3 | 1 | 20 | 0.031 |
| 80 07 30 1600 | | .3 | 1 | 18 | 0.028 |
| 80 08 28 1935 | | .3 | 1 | 12 | 0.044 |
| 80 09 24 1430 | | .3 | 1 | 10< | 0.030 |
| 80 10 15 1450 | | .3 | 1 | 19 | 0.042 |
| MAXIMUM | | | | **28** | **0.044** |
| ARITH MEAN | | | | **17L** | **0.035** |
| GEOM MEAN | | | | **16L** | **0.034** |
| MINIMUM | | | | **10<** | **0.028** |
| STD DEV | | | | **7L** | **0.006** |
| NO OF SAMPLES | | | | **7** | **7** |

## 1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./SITE: **JUNCTION CREEK**
SAMPLE POINT: **UPSTREAM OF SIMON LAKE AT RESERVE ROAD**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SPANISH RIVER**

STATION ID: **14-0028-046-02**
STORET CODE: **02**
**002**
**7950**

LAT:
LONG:
U.T.M.: **17 0486200.0 5138575.0 4**
REGION: **05**
DISTANCE: **112.973**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
| 80 02 09 0800 | | | .3 | 1 | 14501 | 6 8 | 0.0 | 9.0 | 0.125 | 0.056 | 7.450 | 10.500 | 0.041 | 1.510 |
| 80 03 07 0910 | | | .3 | 1 | 14541 | 6 8 | 0.0 | 9.0 | 0.145 | 0.045 | 9.150 | 12.200 | 0.090 | 1.460 |
| 80 04 26 1200 | | | .3 | 1 | 14579 | 3 6 8 | 13.0 | 8.0 | 0.060 | 0.012 | 2.400 | 6.620 | 0.055 | 0.755 |
| 80 05 31 0800 | | | .3 | 1 | 14612 | 6 8 | 18.0 | 8.0 | 0.121 | 0.003 | 5.200 | 7.840 | 0.350 | 1.500 |
| 80 06 27 0820 | | | .3 | 1 | 14642 | 6 8 | 21.0 | 9.0 | 0.148 | 0.002 | 4.300 | 4.950 | 2.050 | 1.550 |
| 80 07 25 1745 | | | .3 | 1 | 14672 | 6 8 | 22.0 | 8.0 | 0.145 | 0.012 | 6.900 | 9.120 | 2.050 | 1.250 |
| 80 08 29 1800 | | | .3 | 1 | 14702 | 6 8 | 20.0 | 9.0 | 0.074 | 0.020 | 5.900 | 9.000 | 2.200 | 3.550 |
| 80 09 26 1400 | | | .3 | 1 | 14730 | 6 8 | 13.0 | 9.0 | 0.099 | 0.027 | 5.350 | 7.080 | 1.050 | 4.850 |
| 80 11 01 1230 | | | .3 | 1 | 14758 | 6 8 | 1.0 | 10.0 | 0.218 | 0.185 | 0.900 | 1.720 | 0.014 | 0.406 |
| 80 12 05 1430 | | | .3 | 1 | 14786 | 6 8 | 0.0 | 10.0 | 0.179 | 0.092 | 12.800 | 15.200 | 0.055 | 1.500 |
| MAXIMUM | | | | | | | 22.0 | 10.0 | 0.218 | 0.185 | 12.800 | 15.200 | 2.200 | 4.850 |
| ARITH MEAN | | | | | | | 10.8 | 8.9 | 0.131 | 0.045 | 6.035 | 8.423 | 0.795 | 1.833 |
| GEOM MEAN | | | | | | | 5.6 | 8.9 | 0.123 | 0.021 | 4.969 | 7.411 | 0.236 | 1.481 |
| MINIMUM | | | | | | | 0.0 | 8.0 | 0.060 | 0.002 | 0.900 | 1.720 | 0.014 | 0.406 |
| STD DEV | | | | | | | 9.6 | 0.7 | 0.047 | 0.056 | 3.366 | 3.767 | 0.952 | 1.339 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
| 80 02 09 0800 | | | .3 | 1 | 9.001 | 3.050 | 12.051 | 885.0 | 5.0 | | 1180.0 | 2.00 | 80.000 | |
| 80 03 07 0910 | | | .3 | 1 | 10.700 | 3.050 | 13.750 | 986.0 | 3.0 | | 1360.0 | 2.70 | 88.000 | |
| 80 04 26 1200 | | | .3 | 1 | 3.210 | 4.220 | 7.430 | 446.0 | 8.0 | 438.0 | 700.0 | 3.50 | 47.500 | 6.65 |
| 80 05 31 0800 | | | .3 | 1 | 7.050 | 2.640 | 9.690 | 726.0 | 15.0 | | 950.0 | 5.10 | 61.000 | |
| 80 06 27 0820 | | | .3 | 1 | 7.900 | 0.650 | 8.550 | 889.0 | 19.0 | 870.0 | 1150.0 | 11.00 | 72.000 | 5.34 |
| 80 07 25 1745 | | | .3 | 1 | 10.200 | 2.220 | 12.420 | 1162.0 | 17.0 | 1145.0 | 1500.0 | 5.60 | 84.000 | 6.64 |
| 80 08 29 1800 | | | .3 | 1 | 11.650 | 3.100 | 14.750 | 1120.0 | 5.0 | 1115.0 | 1500.0 | 1.50 | 84.000 | 6.15 |
| 80 09 26 1400 | | | .3 | 1 | 11.250 | 1.730 | 12.980 | 1086.0 | 9.0 | | 1500.0 | 5.30 | 86.000 | 4.71 |
| 80 11 01 1230 | | | .3 | 1 | 1.320 | 0.820 | 2.140 | 220.0 | 5.0 | | 330.0 | 2.00 | 16.000 | 7.48 |
| 80 12 05 1430 | | | .3 | 1 | 14.355 | 2.400 | 16.755 | 1133.0 | 7.0 | | 1540.0 | 3.80 | 84.000 | 7.42 |
| MAXIMUM | | | | | 14.355 | 4.220 | 16.755 | 1162.0 | 19.0 | 1145.0 | 1540.0 | 11.00 | 88.000 | 7.48 |
| ARITH MEAN | | | | | 8.664 | 2.388 | 11.052 | 865.3 | 9.3 | 892.0 | 1171.0 | 4.25 | 70.250 | 6.34 |
| GEOM MEAN | | | | | 7.311 | 2.088 | 9.881 | 784.7 | 7.9 | 835.2 | 1077.3 | 3.59 | 64.245 | 6.27 |
| MINIMUM | | | | | 1.320 | 0.650 | 2.140 | 220.0 | 3.0 | 438.0 | 330.0 | 1.50 | 16.000 | 4.71 |
| STD DEV | | | | | 3.965 | 1.093 | 4.226 | 316.3 | 5.7 | 326.8 | 404.8 | 2.79 | 23.033 | 1.03 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 4 | 10 | 10 | 10 | 7 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | ASUT | CUUT | PBUT | ZNUT | NIUT |
| 80 02 09 0800 | | | .3 | 1 | 0.002 | 0.040 | 0.030< | 0.010< | 0.620 |
| 80 03 07 0910 | | | .3 | 1 | 0.002 | 0.040 | 0.030< | 0.050 | 0.650 |
| 80 04 26 1200 | | | .3 | 1 | 0.003 | 0.060 | 0.030< | 0.020 | 0.610 |
| 80 05 31 0800 | | | .3 | 1 | 0.001< | 0.040 | 0.030< | 0.010< | 0.400 |
| 80 06 27 0820 | | | .3 | 1 | 0.003 | 0.030 | 0.030< | 0.020 | 0.610 |
| 80 07 25 1745 | | | .3 | 1 | 0.003 | 0.020 | 0.030< | 0.010< | 0.300 |
| 80 08 29 1800 | | | .3 | 1 | 0.004 | 0.014 | 0.003< | 0.015 | 0.060 |
| 80 09 26 1400 | | | .3 | 1 | 0.003 | 0.035 | 0.004 | 0.019 | 0.71 |
| 80 11 01 1230 | | | .3 | 1 | 0.002 | 0.028 | 0.003< | 0.009 | 0.670 |
| 80 12 05 1430 | | | .3 | 1 | 0.001< | 0.030 | 0.003< | 0.023 | 0.570 |
| MAXIMUM | | | | | 0.004 | 0.060 | 0.030 | 0.050 | 0.71 |
| ARITH MEAN | | | | | 0.002L | 0.034 | 0.019L | 0.019L | 0.52 |
| GEOM MEAN | | | | | 0.002L | 0.031 | 0.012L | 0.016L | 0.44 |
| MINIMUM | | | | | 0.001< | 0.014 | 0.003< | 0.009< | 0.060 |
| STD DEV | | | | | 0.001L | 0.013 | 0.014L | 0.012L | 0.20 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 |

B.O.W./SITE: **JUNCTION CREEK**
SAMPLE POINT: **100 FEET UPSTR.OF SUDBURY STP OUTFALL**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SPANISH RIVER**

STATION ID: **14-0028-047-02**
STORET CODE: **02**
**002**
**7950**

LAT:
LONG:
U.T.M.: **17 0497300.0 5145400.0 4**
REGION: **05**
DISTANCE: **128.227**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
| 80 02 15 0830 | | | .3 | 1 | 14514 | 6 8 | 0.0 | 7.0 | 0.028 | 0.001 | 29.600 | 39.500 | 0.148 | 1.500 |
| 80 03 14 1750 | | | .3 | 1 | 14552 | 6 8 | 0.0 | 8.0 | 0.108 | 0.001 | 32.600 | 47.500 | 0.148 | 2.850 |
| 80 05 03 1445 | | | .3 | 1 | 14594 | 3 6 8 | 13.0 | 7.0 | 0.115 | 0.003 | 15.300 | 21.800 | 0.300 | 1.950 |
| 80 06 01 0850 | | | .3 | 1 | 14631 | 6 8 | 19.0 | 7.0 | 0.050 | 0.001< | 19.600 | 28.500 | 0.320 | 1.320 |
| 80 06 28 0815 | | | .3 | 1 | 14657 | 6 8 | 21.0 | 7.0 | 0.038 | 0.003 | 30.500 | 41.000 | 0.410 | 0.090 |
| 80 07 27 0845 | | | .3 | 1 | 14694 | 6 8 | 22.0 | 7.0 | 0.013 | 0.001< | 21.000 | | 0.050 | 0.270 |
| 80 09 01 1720 | | | .3 | 1 | 14723 | 6 8 | 21.0 | 8.0 | 0.350 | 0.190 | 19.800 | 26.800 | 0.085 | 0.485 |
| 80 09 28 0820 | | | .3 | 1 | 14741 | 6 8 9 | 13.0 | 8.0 | 0.198 | 0.061 | 13.400 | 16.900 | 0.076 | 0.044 |
| 80 11 08 0950 | | | .3 | 1 | 14763 | 6 8 9 | 1.0 | 8.0 | 0.235 | 0.100 | 25.000 | 31.500 | 0.320 | 0.225 |
| 80 12 07 1020 | | | .3 | 1 | 14807 | 6 8 | 0.0 | 8.0 | 0.022 | 0.002 | 20.500 | 36.500 | 0.240 | 1.960 |
| MAXIMUM | | | | | | | 22.0 | 8.0 | 0.350 | 0.190 | 32.600 | 47.500 | 0.410 | 2.850 |
| ARITH MEAN | | | | | | | 11.0 | 7.5 | 0.116 | 0.036L | 22.730 | 32.222 | 0.210 | 1.089 |
| GEOM MEAN | | | | | | | 5.6 | 7.5 | 0.071 | 0.005L | 21.885 | 30.792 | 0.171 | 0.550 |
| MINIMUM | | | | | | | 0.0 | 7.0 | 0.013 | 0.001< | 13.400 | 16.900 | 0.050 | 0.044 |
| STD DEV | | | | | | | 9.8 | 0.5 | 0.112 | 0.064L | 6.487 | 9.804 | 0.125 | 0.983 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 10 | 9 | 10 | 10 |

(CONTD)

B O W / SITE **JUNCTION CREEK**
SAMPLE POINT **100 FEET UPSTR.OF SUDBURY STP OUTFALL**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SPANISH RIVER**

STATION ID **14-0028-047-02**
STORET CODE **02**
**002**
**7950**

LAT LONG U T M **17 0497300.0 5145400.0 4** REGION **05** DISTANCE **129.227**

| TEST-NAME: | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 02 15 0830 | | .3 | 1 | 31.248 | 9.900 | 41.148 | 2144.0 | 29.0 | | 2600.0 | 7.00 | 280.000 | |
| 80 03 14 1750 | | .3 | 1 | 35.598 | 14.900 | 50.498 | 2276.0 | 16.0 | | 2980.0 | 5.00 | 400.000 | |
| 80 05 03 1445 | | .3 | 1 | 17.550 | 6.500 | 24.050 | 1354.0 | 25.0 | 1329.0 | 1750.0 | 9.40 | 74.000 | 6.33 |
| 80 06 01 0850 | | .3 | 1 | 21.240 | 8.900 | 30.140 | 1727.0 | 13.0 | | 2000.0 | 6.00 | 75.000 | 7.54 |
| 80 06 28 0815 | | .3 | 1 | 31.000 | 10.500 | 41.500 | 2238.0 | 5.0 | 2233.0 | 2600.0 | 0.90 | 88.000 | 6.65 |
| 80 07 27 0845 | | .3 | 1 | 21.320 | | | 2150.0 | 7.0 | 214.3 | 2450.0 | 5.00 | 84.500 | 8.73 |
| 80 09 01 1720 | | .3 | 1 | 20.370 | 7.000 | 27.370 | 2214.0 | 14.0 | 2200.0 | 2550.0 | 6.00 | 85.000 | 8.63 |
| 80 09 28 0820 | | .3 | 1 | 13.520 | 3.500 | 17.020 | 1444.0 | 68.0 | | 1750.0 | 25.00 | 57.000 | 9.20 |
| 80 11 08 0950 | | .3 | 1 | 25.545 | 6.500 | 32.045 | 1706.0 | 15.0 | | 2100.0 | 7.00 | 111.000 | 8.78 |
| 80 12 07 1020 | | .3 | 1 | 22.700 | 16.000 | 38.700 | 1730.0 | 30.0 | | 2200.0 | 6.30 | 138.000 | 8.85 |
| MAXIMUM | | | | 35.598 | 16.000 | 50.498 | 2276.0 | 68.0 | 2233.0 | 2980.0 | 25.00 | 400.000 | 9.20 |
| ARITH MEAN | | | | 24.009 | 9.300 | 33.608 | 1898.3 | 22.2 | 1494.1 | 2298.0 | 7.76 | 139.250 | 8.09 |
| GEOM MEAN | | | | 23.127 | 8.486 | 32.093 | 1868.3 | 17.2 | 1087.6 | 2265.5 | 5.98 | 113.119 | 8.02 |
| MINIMUM | | | | 13.520 | 3.500 | 17.020 | 1354.0 | 5.0 | 214.3 | 1750.0 | 0.90 | 57.000 | 6.33 |
| STD DEV | | | | 6.828 | 4.076 | 10.309 | 346.2 | 18.2 | 950.3 | 404.5 | 6.43 | 111.713 | 1.10 |
| NO OF SAMPLES | | | | 10 | 9 | 9 | 10 | 10 | 4 | 10 | 10 | 10 | 8 |

| TEST-NAME: | | | | ALUT | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 02 15 0830 | | .3 | 1 | 0.100 | 0.090 | 0.030< | 0.030 | 0.800 |
| 80 03 14 1750 | | .3 | 1 | 0.180 | 0.100 | 0.030< | 0.010< | 0.450 |
| 80 05 03 1445 | | .3 | 1 | 0.650 | 0.260 | 0.030< | 0.060 | 1.800 |
| 80 06 01 0850 | | .3 | 1 | 0.020< | 0.080 | 0.030< | 0.030 | 2.200 |
| 80 06 28 0815 | | .3 | 1 | 0.110 | 0.070 | 0.030< | 0.010 | 0.640 |
| 80 07 27 0845 | | .3 | 1 | 0.180 | 0.120 | 0.030< | 0.070 | 2.000 |
| 80 09 01 1720 | | .3 | 1 | 0.120 | 0.066 | 0.003< | 0.018 | 1.100 |
| 80 09 28 0820 | | .3 | 1 | 1.4 | 0.52 | 0.004 | 0.11 | 2.5 |
| 80 11 08 0950 | | .3 | 1 | 0.350 | 0.120 | 0.003< | 0.055 | 1.100 |
| 80 12 07 1020 | | .3 | 1 | 0.350 | 0.092 | 0.003< | 0.036 | 1.100 |
| MAXIMUM | | | | 1.4 | 0.52 | 0.030 | 0.11 | 2.5 |
| ARITH MEAN | | | | 0.3 L | 0.15 | 0.019L | 0.04 L | 1.3 |
| GEOM MEAN | | | | 0.1 L | 0.12 | 0.012L | 0.03 L | 1.1 |
| MINIMUM | | | | 0.020< | 0.066 | 0.003< | 0.010< | 0.450 |
| STD DEV | | | | 0.4 L | 0.14 | 0.014L | 0.03 L | 0.7 |
| NO OF SAMPLES | | | | 10 | 10 | 10 | 10 | 10 |

B O W / SITE **JUNCTION CREEK**
SAMPLE POINT **AT KELLEY LAKE ROAD**
STATION TYPE **RIVER FLOW GAUGE FED 02CF106**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE HURON**
TERM STREAM **SPANISH RIVER**

STATION ID **14-0028-048-02**
STORET CODE **02**
**002**
**7950**

LAT LONG: U T M: **17 0497475.0 5145650.0 4** REGION: **05** DISTANCE: **130.514**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 15 0810 | | .3 | 1 | 14513 | 6 8 | 0.0 | 8.0 | 0.029 | 0.003 | 2.100 | 2.290 | 0.044 | 2.110 |
| 80 03 14 1730 | | .3 | 1 | 14551 | 6 8 | 0.0 | 8.0 | 0.350 | 0.053 | 2.200 | 5.160 | 0.076 | 2.320 |
| 80 05 03 1430 | | .3 | 1 | 14593 | 6 8 3 | 13.0 | 9.0 | 0.182 | 0.031 | 1.320 | 1.920 | 0.033 | 1.270 |
| 80 06 01 0830 | | .3 | 1 | 14630 | 6 8 | 19.0 | 7.0 | 0.085 | 0.021 | 2.300 | 2.840 | 0.084 | 3.470 |
| 80 06 28 0800 | | .3 | 1 | 14656 | 6 8 | 21.0 | 8.0 | 0.076 | 0.011 | 0.286 | 0.890 | 0.056 | 0.829 |
| 80 07 27 0820 | | .3 | 1 | 14693 | 6 8 | 22.0 | 7.0 | 0.126 | 0.006 | 1.660 | 2.300 | 0.160 | 1.830 |
| 80 09 01 1700 | | .3 | 1 | 14722 | 6 8 | 21.0 | 8.0 | 0.165 | 0.043 | 1.140 | 1.900 | 0.115 | 1.130 |
| 80 09 28 0805 | | .3 | 1 | 14740 | 6 8 9 | 13.0 | 8.0 | 0.032 | 0.001< | 0.336 | 1.080 | 0.440 | 0.610 |
| 80 11 08 0930 | | .3 | 1 | 14762 | 6 8 9 | 1.0 | 7.0 | 0.645 | 0.210 | 1.180 | 2.020 | 0.016 | 1.080 |
| 80 12 07 1000 | | .3 | 1 | 14806 | 6 8 4 | 0.0 | 8.0 | 0.046 | 0.006 | 1.550 | 2.100 | 0.022 | 1.630 |
| MAXIMUM | | | | | | 22.0 | 9.0 | 0.645 | 0.210 | 2.300 | 5.160 | 0.440 | 3.470 |
| ARITH MEAN | | | | | | 11.0 | 7.8 | 0.174 | 0.038L | 1.407 | 2.250 | 0.105 | 1.628 |
| GEOM MEAN | | | | | | 5.6 | 7.8 | 0.109 | 0.014L | 1.167 | 2.023 | 0.068 | 1.445 |
| MINIMUM | | | | | | 0.0 | 7.0 | 0.029 | 0.001< | 0.286 | 0.890 | 0.016 | 0.610 |
| STD DEV | | | | | | 9.8 | 0.6 | 0.192 | 0.063L | 0.709 | 1.171 | 0.126 | 0.850 |
| NO OF SAMPLES | | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 02 15 0810 | | .3 | 1 | 4.254 | 0.190 | 4.444 | 977.0 | 8.0 | | 1650.0 | 4.70 | 260.000 | |
| 80 03 14 1730 | | .3 | 1 | 4.596 | 2.960 | 7.556 | 1806.0 | 36.0 | | 3050.0 | 15.00 | 775.000 | |
| 80 05 03 1430 | | .3 | 1 | 2.623 | 0.600 | 3.223 | 683.0 | 57.0 | 626.0 | 900.0 | 28.00 | 84.000 | 8.24 |
| 80 06 01 0830 | | .3 | 1 | 5.854 | 0.540 | 6.394 | 977.0 | 18.0 | | 1250.0 | 7.50 | 100.000 | 8.48 |
| 80 06 28 0800 | | .3 | 1 | 1.171 | 0.604 | 1.775 | 946.0 | 5.0 | 941.0 | 1300.0 | 4.80 | 96.000 | 7.64 |
| 80 07 27 0820 | | .3 | 1 | 3.650 | 0.640 | 4.290 | 1120.0 | 6.0 | 1114.0 | 1450.0 | 3.50 | 111.000 | 7.60 |
| 80 09 01 1700 | | .3 | 1 | 2.385 | 0.760 | 3.145 | 797.0 | 6.0 | 791.0 | 1100.0 | 4.00 | 85.000 | 7.60 |
| 80 09 28 0805 | | .3 | 1 | 1.386 | 0.744 | 2.130 | 496.0 | 107.0 | | 620.0 | 42.00 | 41.000 | 8.86 |
| 80 11 08 0930 | | .3 | 1 | 2.276 | 0.840 | 3.116 | 413.0 | 12.0 | | 640.0 | 7.00 | 62.500 | 7.68 |
| 80 12 07 1000 | | .3 | 1 | 3.202 | 0.550 | 3.752 | 658.0 | 16.0 | | 900.0 | 6.40 | 88.000 | 8.02 |
| MAXIMUM | | | | 5.854 | 2.960 | 7.556 | 1806.0 | 107.0 | 1114.0 | 3050.0 | 42.00 | 775.000 | 8.86 |
| ARITH MEAN | | | | 3.140 | 0.843 | 3.982 | 887.3 | 27.1 | 868.0 | 1286.0 | 12.29 | 170.260 | 8.01 |
| GEOM MEAN | | | | 2.812 | 0.671 | 3.644 | 817.9 | 16.0 | 848.8 | 1154.1 | 8.46 | 113.206 | 8.00 |
| MINIMUM | | | | 1.171 | 0.190 | 1.775 | 413.0 | 5.0 | 626.0 | 620.0 | 3.50 | 41.000 | 7.60 |
| STD DEV | | | | 1.473 | 0.764 | 1.804 | 384.2 | 32.5 | 208.4 | 704.4 | 12.83 | 220.486 | 0.47 |
| NO OF SAMPLES | | | | 10 | 10 | 10 | 10 | 10 | 4 | 10 | 10 | 10 | 8 |

(CONTD)

| | | | TEST-NAME: | | ALUT | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 02 15 0810 | | | .3 | 1 | 0.190 | 0.110 | 0.030< | 0.100 | 2.600 |
| 80 03 14 1730 | | | .3 | 1 | 0.850 | 0.160 | 0.030< | 0.040 | 0.590 |
| 80 05 03 1430 | | | .3 | 1 | 1.500 | 0.490 | 0.030< | 0.150 | 3.700 |
| 80 06 01 0830 | | | .3 | 1 | 0.080 | 0.110 | 0.030< | 0.110 | 5.500 |
| 80 06 28 0800 | | | .3 | 1 | 0.190 | 0.100 | 0.030< | 0.030 | 2.000 |
| 80 07 27 0820 | | | .3 | 1 | 0.090 | 0.120 | 0.030< | 0.190 | 5.800 |
| 80 09 01 1700 | | | .3 | 1 | 0.220 | 0.110 | 0.003< | 0.052 | 2.900 |
| 80 09 28 0805 | | | .3 | 1 | 2.3 | 0.78 | 0.005 | 0.17 | 3.5 |
| 80 11 08 0930 | | | .3 | 1 | 0.840 | 0.200 | 0.003< | 0.100 | 2.000 |
| 80 12 07 1000 | | | .3 | 1 | 0.860 | 0.150 | 0.003< | 0.082 | 1.400 |
| **MAXIMUM** | | | | | **2.3** | **0.78** | **0.030** | **0.190** | **5.800** |
| **ARITH MEAN** | | | | | **0.7** | **0.23** | **0.019L** | **0.10** | **2.9** |
| **GEOM MEAN** | | | | | **0.4** | **0.17** | **0.013L** | **0.08** | **2.5** |
| **MINIMUM** | | | | | **0.080** | **0.100** | **0.003<** | **0.030** | **0.590** |
| **STD DEV** | | | | | **0.7** | **0.22** | **0.014L** | **0.06** | **1.6** |
| **NO OF SAMPLES** | | | | | **10** | **10** | **10** | **10** | **10** |

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B.O.W./ SITE: **JUNCTION CREEK**
SAMPLE POINT: **AT KING STREET SUDBURY**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SPANISH RIVER**

STATION ID: **14-0028-049-02**
STORET CODE: **02**
**002**
**7950**

LAT: LONG: U T M: **17 0501050.0 5149800.0 4** REGION: **05** DISTANCE: **137.273**

| | | | TEST-NAME: | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 17 0830 | | | .3 | 1 | 14539 | 4 6 8 | 0.0 | 7.0 | 0.022 | 0.002 | 1.240 | 1.500 | 0.054 | 3.050 |
| 80 03 15 1725 | | | .3 | 1 | 14577 | 4 6 8 | 0.0 | 8.0 | 0.039 | 0.004 | 2.030 | 2.390 | 0.042 | 3.960 |
| 80 05 04 1425 | | | .3 | 1 | 14610 | 6 8 | 15.0 | 7.0 | 0.629 | 0.105 | 2.800 | 3.820 | 0.115 | 2.330 |
| 80 06 01 1235 | | | .3 | 1 | 14641 | 6 8 9 | 19.0 | 7.0 | 0.405 | 0.037 | 3.700 | 4.340 | 0.115 | 5.130 |
| 80 06 28 1035 | | | .3 | 1 | 14663 | 6 8 9 | 21.0 | 8.0 | 0.150 | 0.009 | 0.740 | 1.400 | 0.068 | 1.530 |
| 80 09 01 1935 | | | .3 | 1 | 14729 | 6 8 9 | 20.0 | 8.0 | 0.068 | 0.008 | 0.198 | 0.750 | 0.005 | 1.800 |
| 80 09 28 1030 | | | .3 | 1 | 14746 | 6 8 | 13.0 | 8.0 | 0.030 | 0.012 | 0.136 | 0.620 | 0.005 | 0.695 |
| 80 11 09 1420 | | | .3 | 1 | 14784 | 6 8 9 | 1.0 | 8.0 | 0.378 | 0.065 | 1.220 | 1.750 | 0.018 | 1.180 |
| 80 12 07 1300 | | | .3 | 1 | 14813 | 6 8 4 | 0.0 | 7.0 | 0.038 | 0.013 | 0.254 | 0.590 | 0.023 | 1.830 |
| **MAXIMUM** | | | | | | | **21.0** | **8.0** | **0.629** | **0.105** | **3.700** | **4.340** | **0.115** | **5.130** |
| **ARITH MEAN** | | | | | | | **9.9** | **7.6** | **0.196** | **0.028** | **1.369** | **1.907** | **0.049** | **2.389** |
| **GEOM MEAN** | | | | | | | **4.9** | **7.5** | **0.100** | **0.014** | **0.816** | **1.606** | **0.030** | **2.034** |
| **MINIMUM** | | | | | | | **0.0** | **7.0** | **0.022** | **0.002** | **0.136** | **0.590** | **0.005** | **0.695** |
| **STD DEV** | | | | | | | **9.5** | **0.5** | **0.221** | **0.035** | **1.249** | **1.369** | **0.043** | **1.421** |
| **NO OF SAMPLES** | | | | | | | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** |

| | | | TEST-NAME: | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 02 17 0830 | | | .3 | 1 | 4.344 | 0.260 | 4.604 | 637.0 | 5.0 | | 930.0 | 3.10 | | |
| 80 03 15 1725 | | | .3 | 1 | 6.032 | 0.360 | 6.392 | 777.0 | 8.0 | | 1200.0 | 7.80 | 175.000 | |
| 80 05 04 1425 | | | .3 | 1 | 5.245 | 1.020 | 6.265 | 643.0 | 15.0 | 628.0 | 850.0 | 12.00 | 76.000 | 7.31 |
| 80 06 01 1235 | | | .3 | 1 | 8.945 | 0.640 | 9.585 | 1046.0 | 12.0 | | 1200.0 | 6.20 | 70.500 | 7.24 |
| 80 06 28 1035 | | | .3 | 1 | 2.338 | 0.660 | 2.998 | 767.0 | 17.0 | 750.0 | 950.0 | 5.60 | 91.000 | 7.76 |
| 80 09 01 1935 | | | .3 | 1 | 2.003 | 0.552 | 2.555 | 705.0 | 6.0 | 699.0 | 900.0 | 4.70 | 82.000 | 7.90 |
| 80 09 28 1030 | | | .3 | 1 | 0.836 | 0.484 | 1.320 | 274.0 | 9.0 | | 435.0 | 6.40 | 29.500 | 7.55 |
| 80 11 09 1420 | | | .3 | 1 | 2.418 | 0.530 | 2.948 | 552.0 | 21.0 | | 860.0 | 13.00 | 152.000 | 7.23 |
| 80 12 07 1300 | | | .3 | 1 | 2.107 | 0.336 | 2.443 | 403.0 | 7.0 | | 580.0 | 4.80 | 50.000 | 7.30 |
| **MAXIMUM** | | | | | **8.945** | **1.020** | **9.585** | **1046.0** | **21.0** | **750.0** | **1200.0** | **13.00** | **175.000** | **7.90** |
| **ARITH MEAN** | | | | | **3.808** | **0.538** | **4.346** | **644.9** | **11.1** | **692.3** | **878.3** | **7.07** | **90.750** | **7.47** |
| **GEOM MEAN** | | | | | **3.074** | **0.499** | **3.696** | **605.7** | **10.0** | **690.5** | **841.3** | **6.43** | **79.331** | **7.47** |
| **MINIMUM** | | | | | **0.836** | **0.260** | **1.320** | **274.0** | **5.0** | **628.0** | **435.0** | **3.10** | **29.500** | **7.23** |
| **STD DEV** | | | | | **2.568** | **0.227** | **2.626** | **224.1** | **5.5** | **61.3** | **250.6** | **3.35** | **49.231** | **0.27** |
| **NO OF SAMPLES** | | | | | **9** | **9** | **9** | **9** | **9** | **3** | **9** | **9** | **8** | **7** |

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B.O.W./ SITE: **VERMILLION RIVER**
SAMPLE POINT: **ON ROAD TO VAL THERESE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SPANISH RIVER**

STATION ID: **14-0028-050-02**
STORET CODE: **02**
**002**
**7950**

LAT: LONG: U T M: **17 0499300.0 5170025.0 4** REGION: **05** DISTANCE: **204.542**

| | | | TEST-NAME: | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 16 0925 | | | .3 | 1 | 14528 | 6 8 | 0.0 | 12.0 | 0.025 | 0.020 | 0.150 | 0.350 | 0.008 | 0.182 |
| 80 03 15 1210 | | | .3 | 1 | 14566 | 4 6 8 | 0.0 | 12.0 | 0.011 | 0.001 | 0.048 | 0.240 | 0.003 | 0.157 |
| 80 05 04 0950 | | | .3 | 1 | 14601 | 6 8 | 14.0 | 12.0 | 0.023 | 0.001 | 0.032 | 0.280 | 0.004 | 0.096 |
| 80 05 31 1545 | | | .3 | 1 | 14625 | 6 8 | 17.0 | 11.0 | 0.038 | 0.020 | 0.184 | 0.390 | 0.007 | 0.048 |
| 80 06 27 1450 | | | .3 | 1 | 14654 | 6 8 | 21.0 | 12.0 | 0.044 | 0.018 | 0.304 | 0.470 | 0.032 | 0.063 |
| 80 07 26 1200 | | | .3 | 1 | 14684 | 6 8 | 21.0 | 11.0 | 0.042 | 0.033 | 0.036 | 0.22 | 0.011 | 0.246 |
| 80 09 01 1215 | | | .3 | 1 | 14713 | 6 8 | 20.0 | 12.0 | 0.018 | 0.008 | 0.018 | 0.160 | 0.002 | 0.053 |
| 80 09 28 1145 | | | .3 | 1 | 14749 | 6 8 | 12.0 | 12.0 | 0.003 | 0.003 | 0.032 | 0.200 | 0.002 | 0.163 |
| 80 11 09 1300 | | | .3 | 1 | 14781 | 6 8 | 1.0 | 12.0 | 0.014 | 0.001 | 0.086 | 0.260 | 0.018 | 0.122 |
| 80 12 06 1200 | | | .3 | 1 | 14797 | 6 8 | 0.0 | 11.0 | 0.021 | 0.005 | 0.158 | 0.340 | 0.105 | 0.115 |
| **MAXIMUM** | | | | | | | **21.0** | **12.0** | **0.044** | **0.033** | **0.304** | **0.470** | **0.105** | **0.246** |
| **ARITH MEAN** | | | | | | | **10.6** | **11.7** | **0.024** | **0.011** | **0.106** | **0.29** | **0.019** | **0.124** |
| **GEOM MEAN** | | | | | | | **5.5** | **11.7** | **0.019** | **0.006** | **0.072** | **0.27** | **0.008** | **0.109** |
| **MINIMUM** | | | | | | | **0.0** | **11.0** | **0.003** | **0.001** | **0.018** | **0.160** | **0.002** | **0.048** |
| **STD DEV** | | | | | | | **9.4** | **0.5** | **0.014** | **0.011** | **0.093** | **0.09** | **0.032** | **0.063** |
| **NO OF SAMPLES** | | | | | | | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** |

(CONTD)

B.O.W./SITE: **VERMILLION RIVER**
SAMPLE POINT: **ON ROAD TO VAL THERESE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SPANISH RIVER**

STATION ID: **14-0028-050-02**
STORET CODE: **02**
**002**
**7950**

LAT: LONG: U T M: **17 0499300.0 5170025.0 4** REGION: **05** DISTANCE: **204.542**

| TEST-NAME: | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 02 16 0925 | | 3 | 1 | 0.340 | 0.200 | 0.540 | 70.0 | 0.9 | | 106.0 | 1.50 | 4.950 | |
| 80 03 15 1210 | | .3 | 1 | 0.208 | 0.192 | 0.400 | 55.0 | 0.7 | | 83.0 | 1.20 | 1.700 | |
| 80 05 04 0950 | | 3 | 1 | 0.132 | 0.248 | 0.380 | 42.0 | 6.0 | 36.000 | 55.0 | 1.60 | 1.450 | 7.01 |
| 80 05 31 1545 | | .3 | 1 | 0.239 | 0.206 | 0.445 | 54.0 | 2.0 | 52.000 | 80.0 | 1.10 | 2.800 | 7.41 |
| 80 06 27 1450 | | .3 | 1 | 0.399 | 0.166 | 0.565 | 64.0 | 2.0 | 62.000 | 95.0 | 0.90 | 4.000 | 7.34 |
| 80 07 26 1200 | | .3 | 1 | 0.293 | 0.184 | 0.477 | 225 | 4 | 221 | 340 | 0.70 | 5.15 | 7.66 |
| 80 09 01 1215 | | .3 | 1 | 0.073 | 0.142 | 0.215 | 71.0 | 3.0 | 68.000 | 104.0 | 1.00 | 5.300 | 7.55 |
| 80 09 28 1145 | | .3 | 1 | 0.197 | 0.168 | 0.365 | 70.0 | 2.0 | 68.000 | 104.0 | 1.10 | 5.600 | 7.32 |
| 80 11 09 1300 | | .3 | 1 | 0.226 | 0.174 | 0.400 | 58.0 | 3.0 | 55.000 | 85.0 | 1.30 | 3.500 | 7.32 |
| 80 12 06 1200 | | .3 | 1 | 0.378 | 0.182 | 0.560 | 64.0 | 2.0 | 62.000 | 95.0 | 1.30 | 4.700 | 7.20 |
| MAXIMUM | | | | **0.399** | **0.248** | **0.565** | **225** | **6.0** | **221** | **340** | **1.60** | **5.600** | **7.66** |
| ARITH MEAN | | | | **0.248** | **0.186** | **0.435** | **77** | **2** | **78** | **114** | **1.17** | **3.91** | **7.35** |
| GEOM MEAN | | | | **0.224** | **0.184** | **0.421** | **68** | **2** | **66** | **100** | **1.14** | **3.57** | **7.35** |
| MINIMUM | | | | **0.073** | **0.142** | **0.215** | **42.0** | **0.7** | **36.000** | **55.0** | **0.70** | **1.450** | **7.01** |
| STD DEV | | | | **0.105** | **0.028** | **0.108** | **52** | **1** | **58** | **80** | **0.27** | **1.50** | **0.20** |
| NO OF SAMPLES | | | | **10** | **10** | **10** | **10** | **10** | **8** | **10** | **10** | **10** | **8** |

| TEST-NAME: | | | | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 02 16 0925 | | 3 | 1 | 0.010< | 0.030< | 0.010< | 0.020< |
| 80 03 15 1210 | | 3 | 1 | 0.010< | 0.030< | 0.010< | 0.020< |
| 80 05 04 0950 | | 3 | 1 | 0.010< | 0.030< | 0.010< | 0.020< |
| 80 05 31 1545 | | 3 | 1 | 0.010< | 0.030< | 0.010< | 0.020< |
| 80 06 27 1450 | | .3 | 1 | 0.010< | 0.030< | 0.010< | 0.020< |
| 80 07 26 1200 | | .3 | 1 | 0.010< | 0.030< | 0.010< | 0.020< |
| 80 09 01 1215 | | .3 | 1 | 0.001< | 0.003< | 0.002 | 0.004 |
| 80 09 28 1145 | | .3 | 1 | 0.003 | 0.003< | 0.001< | 0.005 |
| 80 11 09 1300 | | 3 | 1 | 0.005 | 0.003< | 0.010 | 0.009 |
| 80 12 06 1200 | | 3 | 1 | 0.001 | 0.003< | 0.007 | 0.006 |
| MAXIMUM | | | | **0.010** | **0.030** | **0.010** | **0.020** |
| ARITH MEAN | | | | **0.007L** | **0.019L** | **0.008L** | **0.014L** |
| GEOM MEAN | | | | **0.006L** | **0.012L** | **0.007L** | **0.012L** |
| MINIMUM | | | | **0.001<** | **0.003<** | **0.001<** | **0.004<** |
| STD DEV | | | | **0.004L** | **0.014L** | **0.004L** | **0.007L** |
| NO OF SAMPLES | | | | **10** | **10** | **10** | **10** |

B.O.W./SITE: **VERMILLION RIVER**
SAMPLE POINT: **DOWNSTREAM OF MCCHARLES LAKE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SPANISH RIVER**

STATION ID: **14-0028-051-02**
STORET CODE: **02**
**002**
**7950**

LAT: LONG: U T M: **17 0477950.0 5136500.0 4** REGION: **05** DISTANCE: **103.630**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 02 09 0900 | | .3 | 1 | 14503 | 4 6 8 | 0.0 | 12.0 | 0.6 | 0.025 | 0.005 | 0.800 | 1.230 | 0.009 |
| 80 03 07 1000 | | 3 | 1 | 14543 | 4 6 8 | 0.0 | 12.0 | | 0.027 | 0.010 | 0.970 | 1.440 | 0.006 |
| MAXIMUM | | | | | | **0** | **12.0** | **0.6** | **0.027** | **0.010** | **0.970** | **1.440** | **0.009** |
| ARITH MEAN | | | | | | **0.0** | **12.0** | **0.6** | **0.026** | **0.007** | **0.885** | **1.335** | **0.007** |
| GEOM MEAN | | | | | | | **12.0** | | **0.026** | **0.007** | **0.881** | **1.331** | **0.007** |
| MINIMUM | | | | | | **0.0** | **12.0** | **0.6** | **0.025** | **0.006** | **0.800** | **1.230** | **0.006** |
| STD DEV | | | | | | | **0.0** | | **0.001** | **0.004** | **0.120** | **0.148** | **0.002** |
| NO OF SAMPLES | | | | | | **2** | **2** | **1** | **2** | **2** | **2** | **2** | **2** |

| TEST-NAME: | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | COND25 | TURB | CLIDUR | ALUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALUMINUM UNF.TOT. MG/L AS AL |
| 80 02 09 0900 | | 3 | 1 | 0.370 | 1.179 | 0.430 | 1.609 | 177.0 | 2.0 | 269.0 | 1.70 | 14.500 | 0.100 |
| 80 03 07 1000 | | .3 | 1 | 0.474 | 1.450 | 0.470 | 1.920 | 202.0 | 2.0 | 308.0 | 1.40 | 17.000 | 0.070 |
| MAXIMUM | | | | **0.474** | **1.450** | **0.470** | **1.920** | **202.0** | **2.0** | **308.0** | **1.70** | **17.000** | **0.100** |
| ARITH MEAN | | | | **0.422** | **1.314** | **0.450** | **1.764** | **189.5** | **2.0** | **288.5** | **1.55** | **15.750** | **0.085** |
| GEOM MEAN | | | | **0.419** | **1.307** | **0.450** | **1.758** | **189.1** | **2.0** | **287.8** | **1.54** | **15.700** | **0.084** |
| MINIMUM | | | | **0.370** | **1.179** | **0.430** | **1.609** | **177.0** | **2.0** | **269.0** | **1.40** | **14.500** | **0.070** |
| STD DEV | | | | **0.074** | **0.192** | **0.028** | **0.220** | **17.7** | **0.0** | **27.6** | **0.21** | **1.768** | **0.021** |
| NO OF SAMPLES | | | | **2** | **2** | **2** | **2** | **2** | **2** | **2** | **2** | **2** | **2** |

| TEST-NAME: | | | | CUUT | PBUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 02 09 0900 | | .3 | 1 | 0.020 | 0.030< | 0.010< | 0.190 |
| 80 03 07 1000 | | .3 | 1 | 0.020 | 0.030< | 0.020 | 0.190 |
| MAXIMUM | | | | **0.020** | **0.030** | **0.020** | **0.190** |
| ARITH MEAN | | | | **0.020** | **0.030L** | **0.015L** | **0.190** |
| GEOM MEAN | | | | **0.020** | **0.030L** | **0.014L** | **0.190** |
| MINIMUM | | | | **0.020** | **0.030<** | **0.010<** | **0.190** |
| STD DEV | | | | **0.000** | **0.000L** | **0.007L** | **0.000** |
| NO OF SAMPLES | | | | **2** | **2** | **2** | **2** |

B.O.W./ SITE: **POLISHING POND EFFLUENT**
SAMPLE POINT: **ABOVE MINISTIC CREEK AGNEW LAKE MINE**
STATION TYPE: **INDUSTRIAL PROCESS**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SPANISH RIVER**

STATION ID: **14-0028-052-09**
STORET CODE: **02**
**002**
**7960**

LAT: LONG: U T M: **17 0453800.0 5141350.0 4** REGION: **06** DISTANCE: **91.086**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 09 1200 | | | | 14508 | 2 | | | | | | | | |
| 80 03 07 1230 | | | .3 | 14548 | 2 | | | | | | | | |
| 80 04 26 1440 | | | .3 1 | 14585 | 6 8 | 12.0 | 8.0 | 0.016 | 0.001< | 6.900 | 7.540 | 0.080 | 3.020 |
| MAXIMUM | | | | | | **12.0** | **8.0** | **0.016** | **0.001** | **6.900** | **7.540** | **0.080** | **3.020** |
| ARITH MEAN | | | | | | **12.0** | **8.0** | **0.016** | **0.001L** | **6.900** | **7.540** | **0.080** | **3.020** |
| GEOM MEAN | | | | | | | | | | | | | |
| MINIMUM | | | | | | **12.0** | **8.0** | **0.016** | **0.001<** | **6.900** | **7.540** | **0.080** | **3.020** |
| STD DEV | | | | | | | | | | | | | |
| NO OF SAMPLES | | | | | | **1** | **1** | **1** | **1** | **1** | **1** | **1** | **1** |

| TEST-NAME: | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 04 26 1440 | | | .3 1 | 10.000 | 0.640 | 10.640 | 584.0 | 1.0 | 583.0 | 750.0 | 1.70 | 6.050 | 7.09 |
| MAXIMUM | | | | **10.000** | **0.640** | **10.640** | **584.0** | **1.0** | **583.0** | **750.0** | **1.70** | **6.050** | **7.09** |
| ARITH MEAN | | | | **10.000** | **0.640** | **10.640** | **584.0** | **1.0** | **583.0** | **750.0** | **1.70** | **6.050** | **7.09** |
| GEOM MEAN | | | | | | | | | | | | | |
| MINIMUM | | | | **10.000** | **0.640** | **10.640** | **584.0** | **1.0** | **583.0** | **750.0** | **1.70** | **6.050** | **7.09** |
| STD DEV | | | | | | | | | | | | | |
| NO OF SAMPLES | | | | **1** | **1** | **1** | **1** | **1** | **1** | **1** | **1** | **1** | **1** |

| TEST-NAME: | | | | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 04 26 1440 | | | .3 1 | 0.010 | 0.030< | 0.005< | 0.010 | 0.020< | 0.020< |
| MAXIMUM | | | | **0.010** | **0.030** | **0.005** | **0.010** | **0.020** | **0.020** |
| ARITH MEAN | | | | **0.010** | **0.030L** | **0.005L** | **0.010** | **0.020L** | **0.020L** |
| GEOM MEAN | | | | | | | | | |
| MINIMUM | | | | **0.010** | **0.030<** | **0.005<** | **0.010** | **0.020<** | **0.020<** |
| STD DEV | | | | | | | | | |
| NO OF SAMPLES | | | | **1** | **1** | **1** | **1** | **1** | **1** |

B.O.W / SITE: **NOLIN CREEK**
SAMPLE POINT: **AT INCO TREATMENT EFFLUENT**
STATION TYPE: **RIVER FLOW GAUGE FED 02CF009**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SPANISH RIVER**

STATION ID: **14-0028-054-09**
STORET CODE: **02**
**002**
**7950**

LAT: LONG: U T M: **17 0496850.0 5148575.0 4** REGION: **05** DISTANCE: **140.814**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 02 15 1030 | | | .3 1 | 14518 | 2 | 0 035 | | | | | | | |
| 80 03 14 1950 | | | .3 1 | 14556 | 2 | 0 019 | | | | | | | |
| 80 05 03 1630 | | | .3 1 | 14598 | 6 8 | 0 191 | 14.0 | 7.0 | 0.050 | 0.001< | 0.870 | 1.800 | 0.052 |
| 80 06 01 1020 | | | .3 1 | 14635 | 6 8 | 0 041 | 19.0 | 7.0 | 0.021 | 0.014 | 3.700 | 5.470 | 0.015 |
| 80 06 28 0950 | | | .3 1 | 14661 | 6 8 | 0.037 | 22.0 | 7.0 | 0.040 | 0.001 | 17.300 | 23.000 | 0.016 |
| 80 07 27 1025 | | | .3 1 | 14698 | 6 8 | 0 059 | 22.0 | 7.0 | 0.035 | 0.009 | 14.400 | 24.100 | 0.002 |
| MAXIMUM | | | | | | **0.191** | **22.0** | **7.0** | **0.050** | **0.014** | **17.300** | **24.100** | **0.052** |
| ARITH MEAN | | | | | | **0.064** | **19.2** | **7.0** | **0.036** | **0.006L** | **9.067** | **13.592** | **0.021** |
| GEOM MEAN | | | | | | **0.047** | **18.9** | **7.0** | **0.035** | **0.003L** | **5.321** | **8.595** | **0.013** |
| MINIMUM | | | | | | **0.019** | **14.0** | **7.0** | **0.021** | **0.001<** | **0.870** | **1.800** | **0.002** |
| STD DEV | | | | | | **0.064** | **3.8** | **0.0** | **0.012** | **0.006L** | **8.006** | **11.604** | **0.021** |
| NO OF SAMPLES | | | | | | **6** | **4** | **4** | **4** | **4** | **4** | **4** | **4** |

| TEST-NAME: | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 05 03 1630 | | | .3 1 | 0.948 | 1.870 | 0.930 | 2 800 | 1116.0 | 112.0 | 1004.0 | 1400.0 | 43.00 | 67.000 |
| 80 06 01 1020 | | | .3 1 | 0 260 | 3.975 | 1.770 | 5 745 | 2083.00 | 5.00 | | 2000.0 | 1.30 | 61.500 |
| 80 06 28 0950 | | | .3 1 | 0 224 | 17.540 | 5 700 | 23.240 | 3066.0 | 40.0 | 3026.0 | 4100.0 | 14.00 | 91.500 |
| 80 07 27 1025 | | | .3 1 | 0.123 | 14.525 | 9 700 | 24.225 | 3811.00 | 29.00 | 3782.00 | 3550.0 | 30.00 | 85.000 |
| MAXIMUM | | | | **0.948** | **17.540** | **9.700** | **24.225** | **3811.00** | **112.0** | **3782.00** | **4100.0** | **43.00** | **91.500** |
| ARITH MEAN | | | | **0.389** | **9.477** | **4.525** | **14.002** | **2519.0** | **46.5** | **2604.0** | **2762.5** | **22.07** | **76.250** |
| GEOM MEAN | | | | **0.287** | **6.597** | **3.089** | **9.755** | **2282.9** | **28.3** | **2256.5** | **2526.6** | **12.38** | **75.240** |
| MINIMUM | | | | **0.123** | **1.870** | **0.930** | **2.800** | **1116.0** | **5.00** | **1004.0** | **1400.0** | **1.30** | **61.500** |
| STD DEV | | | | **0.377** | **7.716** | **4.028** | **11.307** | **1172.8** | **46.0** | **1436.2** | **1271.1** | **18.23** | **14.286** |
| NO OF SAMPLES | | | | **4** | **4** | **4** | **4** | **4** | **4** | **3** | **4** | **4** | **4** |

(CONTD)

B.O.W./SITE: **NOLIN CREEK**
SAMPLE POINT: **AT INCO TREATMENT EFFLUENT**
STATION TYPE: **RIVER FLOW GAUGE FED 02CF009**
MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SPANISH RIVER**
STATION ID: **14-0028-054-09**
STORET CODE: **02 002 7950**
LAT:
LONG:
U.T.M.: **17 0496850.0 5148575.0 4**
REGION: **05**
DISTANCE: **140.814**

| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PH | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | PH | CUUT | PBUT | ZNUT | NIUT |
| 80 05 03 1630 | | 3 | 1 | 3.10 | 14 000 | 0.030< | 0.780 | 36 000 |
| 80 06 01 1020 | | 3 | 1 | 3.40 | 15 000 | 0.030< | 1 100 | 54 000 |
| 80 06 28 0950 | | 3 | 1 | 11.88 | 4 600 | 0.030< | 0 700 | 34 000 |
| 80 07 27 1025 | | 3 | 1 | 4.57 | 3 500 | 0 030< | 1.400 | 64 000 |
| MAXIMUM | | | | 11.88 | 15.000 | 0.030 | 1.400 | 64.000 |
| ARITH MEAN | | | | 5.74 | 9.276 | 0.030L | 0.995 | 47.000 |
| GEOM MEAN | | | | 4.89 | 7.626 | 0.030L | 0.958 | 45.351 |
| MINIMUM | | | | 3.10 | 3.500 | 0.030< | 0.700 | 34.000 |
| STD DEV | | | | 4.14 | 6.064 | 0.000L | 0.321 | 14.468 |
| NO OF SAMPLES | | | | 4 | 4 | 4 | 4 | 4 |

B.O.W./SITE: **SPANISH RIVER**
SAMPLE POINT: **UPSTR.FROM CONFLUENCE WITH AUX SABLES R.**
STATION TYPE: **RIVER**
MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SPANISH RIVER**
STATION ID: **14-0028-055-02**
STORET CODE: **02 002 7950**
LAT:
LONG:
U.T.M.: **17 0419600.0 5117750.0 4**
REGION: **05**
DISTANCE: **32.508**

| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | SAMPLE | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
| 80 06 05 1040 | | 3 | 1 | 11809 | 15.0 | 8.6 | 1.0 | 0.011 | 0.001< | 0.044 | 0.380 | 0.006 | 0.146 |
| 80 06 25 1320 | | 3 | 1 | 11810 | 18.0 | 7.4 | 1.0 | 0.014 | 0.001 | 0.002 | 0.360 | 0.007 | 0 128 |
| 80 07 15 1355 | | 3 | 1 | 11811 | 15.0 | 8.6 | 1.2 | 0.015 | 0.001 | 0.002 | 0.360 | 0.011 | 0 074 |
| 80 07 30 1120 | | 3 | 1 | 11812 | 21 5 | 6.3 | 1.4 | 0 022 | 0.001 | 0 008 | 0.330 | 0.006 | 0.039 |
| 80 08 14 1400 | | 3 | 1 | 11813 | 23 0 | 2.7 | 1.6 | 0 060 | 0.002 | 0.034 | 0.450 | 0.014 | 0.050 |
| 80 08 28 1300 | | 3 | 1 | 11814 | 21.5 | 2.3 | 2.6 | 0 029 | 0.001 | 0 022 | 0.400 | 0 010 | 0.005< |
| 80 09 24 1210 | | 3 | 1 | 11815 | 14.0 | 7.4 | 2.4 | 0 028 | 0.003 | 0 114 | 0.55 | 0 014 | 0.216 |
| 80 10 15 1140 | | 3 | 1 | 11815 | 9.5 | 9.3 | | 0.028 | 0.003 | 0 114 | 0 550 | 0.014 | 0 216 |
| MAXIMUM | | | | | 23.0 | 9.3 | 2.6 | 0.060 | 0.003 | 0.114 | 0.550 | 0.014 | 0.216 |
| ARITH MEAN | | | | | 17.2 | 6.8 | 1.6 | 0.026 | 0.002L | 0.042 | 0.42 | 0.010 | 0.109L |
| GEOM MEAN | | | | | 16.6 | 5.9 | 1.5 | 0.023 | 0.001L | 0.018 | 0.41 | 0.010 | 0.071L |
| MINIMUM | | | | | 9.5 | 2.3 | 1.0 | 0.011 | 0.001< | 0.002 | 0.330 | 0.006 | 0.005< |
| STD DEV | | | | | 4.6 | 2.7 | 0.7 | 0.015 | 0.001L | 0.047 | 0.08 | 0.004 | 0.080L |
| NO OF SAMPLES | | | | | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 8 |

| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR |
| 80 06 05 1040 | | 3 | 1 | 0 196 | 0.336 | 0.532 | 68 00 | 3.00 | 65.000 | 100.0 | 1.20 | 7.100 | 22.000 |
| 80 06 25 1320 | | 3 | 1 | 0.137 | 0 358 | 0.495 | 71 00 | 3 00 | 68.000 | 105.0 | 1.40 | 6.550 | 22 000 |
| 80 07 15 1355 | | 3 | 1 | 0.087 | 0 358 | 0.445 | 92 00 | 4 00 | 88.000 | 135.0 | 2.00 | 9.300 | 24.500 |
| 80 07 30 1120 | | 3 | 1 | 0.053 | 0.322 | 0.375 | 70.00 | 5.00 | 65.000 | 100.0 | 2.30 | 4.850 | 21.000 |
| 80 08 14 1400 | | 3 | 1 | 0.098 | 0 416 | 0.514 | 111.00 | 4 00 | 107.000 | 165.0 | 1.80 | 17 500 | 28.500 |
| 80 08 28 1300 | | 3 | 1 | 0.037 | 0 378 | 0.415 | 104 00 | 6 00 | 98.000 | 150.0 | 1.70 | 13.000 | 21.000 |
| 80 09 24 1210 | | 3 | 1 | 0.344 | 0 436 | 0.780 | 147 | 4 | 86.000 | 220 | 1.0 | 14.5 | 60.0 |
| 80 10 15 1140 | | 3 | 1 | 0.344 | 0.436 | 0.780 | 147 00 | 4 00 | | 220.0 | 1.00 | 11.500 | 60.000 |
| MAXIMUM | | | | 0.344 | 0.436 | 0.780 | 147 | 6.00 | 107.000 | 220 | 2.30 | 17.500 | 60.0 |
| ARITH MEAN | | | | 0.162 | 0.380 | 0.542 | 101 | 4 | 82.429 | 149 | 1.5 | 10.5 | 32.3 |
| GEOM MEAN | | | | 0.123 | 0.378 | 0.524 | 96 | 4 | 80.981 | 142 | 1.4 | 9.7 | 29.2 |
| MINIMUM | | | | 0.037 | 0.322 | 0.375 | 68.00 | 3.00 | 65.000 | 100.0 | 1.0 | 4.850 | 21.000 |
| STD DEV | | | | 0.123 | 0.044 | 0.156 | 32 | 0 | 16.861 | 49 | 0.4 | 4.3 | 17.2 |
| NO OF SAMPLES | | | | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 8 | 8 |

| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O | MANGANSE UNF.TOT. MG/L AS MN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | ALKT | PH | FWPH | PHNOL | CAUR | MGUR | KKUR | NAUR | COD | MNUT |
| 80 06 05 1040 | | 3 | 1 | 11 0 | 7.06 | | | 9 400 | 1.750 | 0.80 | 5.900 | 32 | 0 043 |
| 80 06 25 1320 | | 3 | 1 | 16 0 | 6.93 | | 10.000 | 8 400 | 1 750 | 0.70 | 6 200 | 18 | 0.054 |
| 80 07 15 1355 | | 3 | 1 | 17 0 | 6 99 | 8.0 | 18 000 | 10 800 | 2.050 | 0.95 | 9 200 | 32 | 0.058 |
| 80 07 30 1120 | | 3 | 1 | 17.0 | 7.24 | 5.3 | 1.000< | 8.800 | 1.750 | 0.75 | 4.800 | 20 | 0.061 |
| 80 08 14 1400 | | 3 | 1 | 19 0 | 6.73 | 9 8 | 3 000 | 11.600 | 2 750 | 1 00 | 13 000 | 38 | 0.068 |
| 80 08 28 1300 | | 3 | 1 | 27 0 | 6.89 | 8 3 | | 11 400 | 2.500 | 0 80 | 12.000 | 10 | 0 092 |
| 80 09 24 1210 | | 3 | 1 | 23 | 7 02 | | 4 | 19 4 | 3 85 | 1 65 | 13 | 23 | 0.74 |
| 80 10 15 1140 | | 3 | 1 | 23.0 | 7.02 | | 4.000 | 19.400 | 3 850 | 1 65 | 13.000 | 23 | 0.074 |
| MAXIMUM | | | | 27.0 | 7.24 | 9.8 | 18.000 | 19.400 | 3.850 | 1.65 | 13.000 | 38 | 0.74 |
| ARITH MEAN | | | | 19 | 6.98 | 7.8 | 6 L | 12.4 | 2.53 | 1.04 | 9 | 24 | 0.14 |
| GEOM MEAN | | | | 18 | 6.98 | 7.7 | 4 L | 11.7 | 2.40 | 0.98 | 8 | 23 | 0.08 |
| MINIMUM | | | | 11.0 | 6.73 | 5.3 | 1.000< | 8.400 | 1.750 | 0.70 | 4.800 | 10 | 0.043 |
| STD DEV | | | | 5 | 0.15 | 1.9 | 6 L | 4.4 | 0.89 | 0.39 | 3 | 9 | 0.23 |
| NO OF SAMPLES | | | | 8 | 8 | 4 | 6 | 8 | 8 | 8 | 8 | 8 | 8 |

B.O.W./ SITE: **SPANISH RIVER**
SAMPLE POINT: **DNSTR.FROM ESPANOLA SOUTH OF WALFORD**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SPANISH RIVER**

STATION ID: **14-0028-056-02**
STORET CODE: **02**
**002**
**7950**

LAT:
LONG:
U T M: **17 0405600.0 5114700.0 4**
REGION: **05**
DISTANCE: **14.404**

| TEST-NAME: | | | | | SAMPLE | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 06 05 1300 | | | .3 | 1 | 11797 | 15.5 | 7.8 | 1.2 | 0.015 | 0.001< | 0.006 | 0.460 | 0.006 | 0.127 |
| 80 06 25 1400 | | | .3 | 1 | 11798 | 19.0 | 6.6 | 0.8 | 0.011 | 0.001 | 0.004 | 0.360 | 0.007 | 0.113 |
| 80 07 15 1445 | | | .3 | 1 | 11799 | 23.0 | 4.8 | 1.2 | 0.017 | 0.001 | 0.006 | 0.320 | 0.008 | 0.057 |
| 80 07 30 1240 | | | .3 | 1 | 11800 | 22.5 | 5.7 | 1.2 | 0.021 | 0.001 | 0.026 | 0.330 | 0.008 | 0.017 |
| 80 08 14 1351 | | | .3 | 1 | 11801 | 22.0 | 2.1 | 1.2 | 0.110 | 0.001 | 0.018 | 0.440 | 0.008 | 0.020 |
| 80 08 28 1450 | | | .3 | 1 | 11802 | 21.5 | 4.0 | 1.0 | 0.019 | 0.001 | 0.040 | 0.390 | 0.008 | 0.012 |
| 80 09 24 1235 | | | .3 | 1 | 11803 | 14.0 | 5.9 | 2.2 | 0.032 | 0.010 | 0.048 | 0.420 | 0.010 | 0.045 |
| 80 10 15 1210 | | | 3 | 1 | 11804 | 10.0 | 9.6 | | 0.022 | 0.002 | 0.082 | 0.550 | 0.012 | 0.263 |
| MAXIMUM | | | | | | 23.0 | 9.6 | 2.2 | 0.110 | 0.010 | 0.082 | 0.550 | 0.012 | 0.263 |
| ARITH MEAN | | | | | | 18.4 | 5.8 | 1.3 | 0.031 | 0.002L | 0.029 | 0.409 | 0.008 | 0.082 |
| GEOM MEAN | | | | | | 17.8 | 5.3 | 1.2 | 0.023 | 0.001L | 0.018 | 0.403 | 0.008 | 0.060 |
| MINIMUM | | | | | | 10.0 | 2.1 | 0.8 | 0.011 | 0.001< | 0.004 | 0.320 | 0.006 | 0.012 |
| STD DEV | | | | | | 4.8 | 2.3 | 0.4 | 0.033 | 0.003L | 0.027 | 0.076 | 0.002 | 0.085 |
| NO OF SAMPLES | | | | | | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 8 |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 |
| 80 06 05 1300 | | | .3 | 1 | 0.139 | 0.454 | 0.593 | 64.00 | 2.00 | 62.000 | 95.0 | 1.30 | 6.300 | 20.000 |
| 80 06 25 1400 | | | .3 | 1 | 0.124 | 0.356 | 0.480 | 71.00 | 3.00 | 68.000 | 105.0 | 1.80 | 7.000 | 22.000 |
| 80 07 15 1445 | | | .3 | 1 | 0.071 | 0.314 | 0.385 | 71.00 | 3.00 | 68.000 | 105.0 | 2.00 | 8.000 | 19.500 |
| 80 07 30 1240 | | | .3 | 1 | 0.051 | 0.304 | 0.355 | 76.00 | 4.00 | 72.000 | 110.0 | 1.80 | 5.950 | 18.500 |
| 80 08 14 1351 | | | .3 | 1 | 0.046 | 0.422 | 0.468 | 89.00 | 4.00 | 85.000 | 130.0 | 1.60 | 11.500 | 23.000 |
| 80 08 28 1450 | | | .3 | 1 | 0.060 | 0.350 | 0.410 | 82.00 | 4.00 | 78.000 | 120.0 | 1.30 | 9.350 | 18.000 |
| 80 09 24 1235 | | | .3 | 1 | 0.103 | 0.372 | 0.475 | 94.00 | 6.00 | 78.000 | 120.0 | 1.80 | 10.500 | 19.500 |
| 80 10 15 1210 | | | .3 | 1 | 0.357 | 0.468 | 0.825 | 118.00 | 3.00 | | 185.0 | 2.00 | 12.000 | 46.000 |
| MAXIMUM | | | | | 0.357 | 0.468 | 0.825 | 118.00 | 6.00 | 85.000 | 185.0 | 2.00 | 12.000 | 46.000 |
| ARITH MEAN | | | | | 0.119 | 0.380 | 0.499 | 83.12 | 3.62 | 73.000 | 121.2 | 1.70 | 8.825 | 23.312 |
| GEOM MEAN | | | | | 0.094 | 0.376 | 0.482 | 81.70 | 3.46 | 72.643 | 118.9 | 1.68 | 8.546 | 22.198 |
| MINIMUM | | | | | 0.046 | 0.304 | 0.355 | 64.00 | 2.00 | 62.000 | 95.0 | 1.30 | 5.950 | 18.000 |
| STD DEV | | | | | 0.102 | 0.062 | 0.151 | 17.24 | 1.19 | 7.810 | 28.0 | 0.28 | 2.359 | 9.319 |
| NO OF SAMPLES | | | | | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 8 | 8 |

| TEST-NAME: | | | | | ALKT | PH | FWPH | PHNOL | CAUR | MGUR | KKUR | NAUR | COD | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O | MANGAN SE UNF. OT. MG/L S MN |
| 80 06 05 1300 | | | .3 | 1 | 12.0 | 6.95 | | | 8.400 | 1.600 | 0.75 | 5.800 | 28 | 0.049 |
| 80 06 25 1400 | | | .3 | 1 | 15.0 | 6.86 | | 6.000 | 8.400 | 1.800 | 0.70 | 6.200 | 22 | 0.052 |
| 80 07 15 1445 | | | .3 | 1 | 15.0 | 6.86 | 7.5 | 6.000 | 8.800 | 1.850 | 0.75 | 7.400 | 20 | 0.064 |
| 80 07 30 1240 | | | .3 | 1 | 22.0 | 7.09 | 6.1 | 1.000< | 9.400 | 1.750 | 0.75 | 6.000 | [illegible] | 0.059 |
| 80 08 14 1351 | | | 3 | 1 | 21.0 | 6.79 | 8.3 | 1.000< | 9.600 | 2.400 | 0.75 | 11.000 | 32 | 0.168 |
| 80 08 28 1450 | | | .3 | 1 | 21.0 | 6.82 | 7.2 | | 9.800 | 2.000 | 0.75 | 8.000 | 12 | 0.070 |
| 80 09 24 1235 | | | .3 | 1 | 20.0 | 6.84 | | 1.000 | 9.200 | 2.200 | 0.75 | 8.600 | 12 | 0.072 |
| 80 10 15 1210 | | | 3 | 1 | 21.0 | 6.95 | | 4.000 | 16.200 | 3.500 | 1.40 | 11.000 | 19 | 0.074 |
| MAXIMUM | | | | | 22.0 | 7.09 | 8.3 | 6.000 | 16.200 | 3.500 | 1.40 | 11.000 | 32 | 0.168 |
| ARITH MEAN | | | | | 18.4 | 6.89 | 7.3 | 3.167L | 9.975 | 2.137 | 0.82 | 8.0[illegible] | 19 | 0.076 |
| GEOM MEAN | | | | | 18.0 | 6.89 | 7.2 | 2.289L | 9.753 | 2.076 | 0.80 | 7.[illegible]0 | 18 | 0.070 |
| MINIMUM | | | | | 12.0 | 6.79 | 6.1 | 1.000< | 8.400 | 1.600 | 0.70 | 5.800 | 10 | 0.049 |
| STD DEV | | | | | 3.8 | 0.10 | 0.9 | 2.483L | 2.569 | 0.608 | 0.23 | 2.098 | 8 | 0.038 |
| NO OF SAMPLES | | | | | 8 | 8 | 4 | 6 | 8 | 8 | 8 | 8 | 8 | 8 |

B.O.W./ SITE: **SPANISH RIVER**
SAMPLE POINT: **3 MILES DNSTR OF E.B.EDDY PLANT ESPANOLA**
STATION TYPE: **RIVER FLOW GAUGE FED 02CF001**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SPANISH RIVER**

STATION ID: **14-0028-057-02**
STORET CODE: **02**
**002**
**7950**

LAT:
LONG:
U T M: **14 0436125.0 5122945.0 4**
REGION: **06**
DISTANCE: **45.704**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.D M. M /L S O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 06 25 1222 | | | .3 | 1 | 11281 | | 17.5 | 8.0 | | | | | | |
| 80 07 15 1240 | | | .3 | 1 | 11822 | | 22.0 | 6.9 | 1.0 | 0.016 | 0.001 | 0.014 | 0.350 | 0.008 |
| 80 07 30 1025 | | | .3 | 1 | 11823 | 9 0 | 21.0 | 7.9 | 1.4 | 0.016 | 0.001 | 0.002 | 0.280 | 0.006 |
| 80 08 14 1455 | | | .3 | 1 | 11824 | | 23.0 | 6.5 | 2.4 | 0.028 | 0.001 | 0.006 | 0.370 | 0.009 |
| 80 08 28 1225 | | | .3 | 1 | 11825 | | 21.5 | 6.9 | 4.4 | 0.025 | 0.001 | 0.002< | 0.410 | 0.013 |
| 80 09 24 1135 | | | .3 | 1 | 11826 | | 15.0 | [illegible].7 | 3.2 | 0.082 | 0.001< | 0.036 | 0.480 | 0.006 |
| 80 10 15 1050 | | | .3 | 1 | 11827 | | 10.0 | 10.2 | | 0.021 | 0.002 | 0.126 | 0.590 | 0.015 |
| MAXIMUM | | | | | | | 23.0 | 10.2 | 4.4 | 0.082 | 0.002 | 0.126 | 0.590 | 0.015 |
| ARITH MEAN | | | | | | | 18.6 | 7.9 | 2.5 | 0.031 | 0.001L | 0.031L | 0.413 | 0.009 |
| GEOM MEAN | | | | | | | 17.9 | 7.8 | 2.2 | 0.026 | 0.001L | 0.011L | 0.402 | 0.009 |
| MINIMUM | | | | | | | 10.0 | 6.5 | 1.0 | 0.016 | 0.001< | 0.002< | 0.280 | 0.006 |
| STD DEV | | | | | | | 4.7 | 1.3 | 1.4 | 0.026 | 0.000L | 0.048L | 0.109 | 0.004 |
| NO OF SAMPLES | | | | | | | 7 | 7 | 5 | 6 | 6 | 6 | 6 | 6 |

(CONTD)

B.O.W./ SITE: **SPANISH RIVER**
SAMPLE POINT: **3 MILES DNSTR OF E.B.EDDY PLANT ESPANOLA**
STATION TYPE: **RIVER FLOW GAUGE FED 02CF001**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE HURON**
TERM STREAM: **SPANISH RIVER**

STATION ID: **14-0028-057-02**
STORET CODE: **02**
**002**
**7950**

LAT: LONG: U T M: **14 0436125.0 5122945.0 4** REGION: **05** DISTANCE: **45.704**

| | | | | TEST-NAME: | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 07 15 1240 | | | .3 | 1 | 0.052 | 0.074 | 0.336 | 0.410 | 75.00 | 3.00 | 72.000 | 110.0 | 2.20 | 8.100 |
| 80 07 30 1025 | | | .3 | 1 | 0.024 | 0.032 | 0.278 | 0.310 | 57.00 | 2.00 | 55.000 | 85.0 | 1.10 | 3.700 |
| 80 08 14 1455 | | | .3 | 1 | 0.105 | 0.120 | 0.364 | 0.484 | 92.00 | 4.00 | 88.000 | 135.0 | 1.50 | 11.500 |
| 80 08 28 1225 | | | .3 | 1 | 0.042 | 0.057 | 0.408 | 0.465 | 108.00 | 4.00 | 104.000 | 160.0 | 1.60 | 15.500 |
| 80 09 24 1135 | | | .3 | 1 | 0.064 | 0.106 | 0.444 | 0.550 | 91.00 | 3.00 | 88.000 | 135.0 | 2.30 | 11.000 |
| 80 10 15 1050 | | | .3 | 1 | 0.320 | 0.461 | 0.464 | 0.925 | 148.00 | 5.00 | | 220.0 | 1.00 | 15.500 |
| MAXIMUM | | | | | 0.320 | 0.461 | 0.464 | 0.925 | 148.00 | 5.00 | 104.000 | 220.0 | 2.30 | 15.500 |
| ARITH MEAN | | | | | 0.101 | 0.142 | 0.382 | 0.524 | 95.17 | 3.50 | 81.400 | 140.8 | 1.62 | 10.883 |
| GEOM MEAN | | | | | 0.070 | 0.098 | 0.377 | 0.494 | 91.11 | 3.36 | 79.568 | 134.8 | 1.54 | 9.846 |
| MINIMUM | | | | | 0.024 | 0.032 | 0.278 | 0.310 | 57.00 | 2.00 | 55.000 | 85.0 | 1.00 | 3.700 |
| STD DEV | | | | | 0.111 | 0.160 | 0.070 | 0.212 | 31.13 | 1.05 | 18.596 | 46.4 | 0.54 | 4.525 |
| NO OF SAMPLES | | | | | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 6 | 6 | 6 |

| | | | | TEST-NAME: | SSO4UR | ALKT | PH | FWPH | PHNOL | CAUR | MGUR | KKUR | NAUR | COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O |
| 80 07 15 1240 | | | 3 | 1 | 19.500 | 18.0 | 6.95 | 7.7 | 3.000 | 9.000 | 1.800 | 0.80 | 8.100 | 36 |
| 80 07 30 1025 | | | 3 | 1 | 17.000 | 15.0 | 7.80 | 5.4 | 3.000 | 7.000 | 1.450 | 0.65 | 3.900 | 14 |
| 80 08 14 1455 | | | 3 | 1 | 26.000 | 17.0 | 6.82 | 8.3 | 6.000 | 10.000 | 2.450 | 0.80 | 9.800 | 30 |
| 80 08 28 1225 | | | 3 | 1 | 24.500 | 25.0 | 6.69 | 8.6 | | 12.200 | 2.500 | 0.85 | 13.000 | 18 |
| 80 09 24 1135 | | | 3 | 1 | 27.000 | 17.0 | 6.68 | | 7.000 | 10.800 | 2.500 | 0.90 | 8.300 | 12 |
| 80 10 15 1050 | | | .3 | 1 | 56.000 | 20.0 | 6.85 | | 6.000 | 18.800 | 3.850 | 1.55 | 14.000 | 17 |
| MAXIMUM | | | | | 56.000 | 25.0 | 7.80 | 8.6 | 7.000 | 18.800 | 3.850 | 1.55 | 14.000 | 36 |
| ARITH MEAN | | | | | 28.333 | 18.7 | 6.96 | 7.5 | 5.000 | 11.300 | 2.425 | 0.92 | 9.517 | 21 |
| GEOM MEAN | | | | | 26.143 | 18.4 | 6.95 | 7.4 | 4.690 | 10.770 | 2.315 | 0.89 | 8.810 | 20 |
| MINIMUM | | | | | 17.000 | 15.0 | 6.68 | 5.4 | 3.000 | 7.000 | 1.450 | 0.65 | 3.900 | 12 |
| STD DEV | | | | | 14.098 | 3.5 | 0.42 | 1.4 | 1.871 | 4.069 | 0.823 | 0.32 | 3.670 | 10 |
| NO OF SAMPLES | | | | | 6 | 6 | 6 | 4 | 5 | 6 | 6 | 6 | 6 | 6 |

| | | | | TEST-NAME: | MNUT |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | MANGANSE UNF.TOT. MG/L AS MN |
| 80 07 15 1240 | | | .3 | 1 | 0.076 |
| 80 07 30 1025 | | | .3 | 1 | 0.045 |
| 80 08 14 1455 | | | 3 | 1 | 0.056 |
| 80 08 28 1225 | | | .3 | 1 | 0.066 |
| 80 09 24 1135 | | | .3 | 1 | 0.050 |
| 80 10 15 1050 | | | .3 | 1 | 0.088 |
| MAXIMUM | | | | | 0.088 |
| ARITH MEAN | | | | | 0.063 |
| GEOM MEAN | | | | | 0.062 |
| MINIMUM | | | | | 0.045 |
| STD DEV | | | | | 0.016 |
| NO OF SAMPLES | | | | | 6 |

B.O.W./ SITE: **STURGEON RIVER**
SAMPLE POINT: **AT CO.RD.20 4 MILES S-E OF LEAMINGTON**
STATION TYPE: **RIVER FLOW GAUGE FED 02GH001**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **STURGEON RIVER**

STATION ID: **16-0027-001-02**
STORET CODE: **02**
**003**
**2320**

LAT: LONG: U T M: **17 0370450.0 4654325.0 4** REGION: **01** DISTANCE: **3.058**

| | | | | TEST-NAME: | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 01 14 1045 | | | .3 | 1 | 30500 | 6 | 0.113 | 65000 | 83000 | 3000 | 1500> | | 1.8 | |
| 80 02 11 1000 | | | .3 | 1 | 30512 | 4 | 0.013 | 123000C | 250000 | 5500 | 1200 | 16 | 0.5 | 11.0 |
| 80 04 14 1125 | | | 3 | 1 | 30541 | 6 | | 11000 | 37000 | 2400 | 4800 | | 4.8 | 12.7 |
| 80 05 12 1050 | | | 3 | 1 | 30559 | 9 6 | | 55000 | 110000 | 3300 | 300I | 104 | 14.9 | 9.4 |
| 80 06 10 1040 | | | .3 | 1 | 30595 | 3 | | 80000 | 95000 | 4100 | 1500> | 80 | 13.2 | 9.7 |
| 80 07 23 1100 | | | 3 | 1 | 30616 | 3 | | 30000 | 1000000 | 15000I | 4500 | 68 | 22.0 | 8.1 |
| 80 08 11 1120 | | | 3 | 1 | 30625 | 3 9 | | 70000 | 126000 | 2000I | 2900 | 360 | 22.6 | 8.9 |
| 80 09 08 1050 | | | 3 | 1 | 30640 | 6 | | 28000 | 50000 | 2300 | 420 | 60 | 18.3 | 11.3 |
| 80 10 14 1110 | | | .3 | 1 | 30649 | 6 | | 42000> | 124000 | 5600 | 504 | 32 | 7.0 | 14.2 |
| 80 11 10 1115 | | | 3 | 1 | 30655 | 6 | | 7300 | 15700 | 210 | 170 | 84 | 5.0 | |
| 80 12 09 1035 | | | 3 | 1 | 30671 | 3 6 | | 72000 | 93000 | 1500 | 790 | 24 | 5.1 | 12.2 |
| MAXIMUM | | | | | | | 0.113 | 123000> | 1000000 | 15000 | 4800> | 360 | 22.6 | 14.2 |
| ARITH MEAN | | | | | | | 0.063 | 53027G | 180336 | 4083 | 1689G | 92 | 10.5 | 10.8 |
| GEOM MEAN | | | | | | | 0.038 | 40661G | 99197 | 2739 | 1034G | 62 | 6.8 | 10.7 |
| MINIMUM | | | | | | | 0.013 | 7300 | 15700 | 210 | 170 | 16 | 0.5 | 8.1 |
| STD DEV | | | | | | | 0.071 | 33992G | 278711 | 3966 | 1656G | 105 | 8.0 | 2.0 |
| NO OF SAMPLES | | | | | | | 2 | 11 | 11 | 11 | 11 | 9 | 11 | 9 |

(CONTD)

| TEST-NAME: | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 01 14 1045 | | .3 | 1 | 4.8 | 0.970 | 0.074 | 0.245 | 2.950 | 0.110 | 13.100 | 13.455 | 2.705 | 16.160 |
| 80 02 11 1000 | | .3 | 1 | 2.4 | 0.170 | 0.089 | 0.495 | 1.040 | 0.065 | 7.640 | 8.200 | 0.545 | 8.745 |
| 80 04 14 1125 | | .3 | 1 | 3.2 | 4.600 | 0.065 | 0.050 | 9.100 | 0.041 | 9.000 | 9.091 | 9.050 | 18.141 |
| 80 05 12 1050 | | .3 | 1 | 4.4 | 0.192 | 0.043 | 0.155 | 1.260 | 0.169 | 7.880 | 8.204 | 1.105 | 9.309 |
| 80 06 10 1040 | | .3 | 1 | 1.4 | 0.186 | 0.080 | 0.155 | 1.140 | 1.380 | 15.300 | 16.835 | 0.985 | 17.820 |
| 80 07 23 1100 | | .3 | 1 | 1.7 | 0.505 | 0.200 | 0.125 | 1.750 | 0.121 | 12.100 | 12.346 | 1.625 | 13.971 |
| 80 08 11 1120 | | .3 | 1 | 3.0 | 0.164 | 0.100 | 0.035 | 0.920 | 0.078 | 1.000 | 1.113 | 0.885 | 1.998 |
| 80 09 08 1050 | | .3 | 1 | 1.1 | 0.130 | 0.078 | 0.060 | 0.960 | 0.070 | 9.800 | 9.930 | 0.900 | 10.830 |
| 80 10 14 1110 | | .3 | 1 | 1.2 | 0.099 | 0.064 | 0.110 | 0.660 | 0.099 | 8.600 | 8.809 | 0.550 | 9.359 |
| 80 11 10 1115 | | .3 | 1 | 2.2 | 0.105 | 0.051 | 0.050 | 0.760 | 0.140 | 7.700 | 7.890 | 0.710 | 8.600 |
| 80 12 09 1035 | | .3 | 1 | 2.0 | 0.200 | 0.092 | 0.210 | 1.220 | 0.070 | 13.900 | 14.180 | 1.010 | 15.190 |
| | | MAXIMUM | | 4.8 | 4.600 | 0.200 | 0.495 | 9.100 | 1.380 | 15.300 | 16.835 | 9.050 | 18.141 |
| | | ARITH MEAN | | 2.5 | 0.666 | 0.085 | 0.154 | 1.978 | 0.213 | 9.638 | 10.005 | 1.825 | 11.829 |
| | | GEOM MEAN | | 2.2 | 0.272 | 0.078 | 0.114 | 1.392 | 0.114 | 8.238 | 8.583 | 1.200 | 10.420 |
| | | MINIMUM | | 1.1 | 0.099 | 0.043 | 0.035 | 0.660 | 0.041 | 1.000 | 1.113 | 0.545 | 1.998 |
| | | STD DEV | | 1.2 | 1.330 | 0.042 | 0.132 | 2.445 | 0.389 | 3.940 | 4.169 | 2.473 | 4.903 |
| | | NO OF SAMPLES | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 14 1045 | | .3 | 1 | 1322.00 | 681.00 | 641.00 | 900.0 | 300.00 | 63.500 | 7.81 | |
| 80 02 11 1000 | | .3 | 1 | 568.0 | 30.0 | 538.0 | 840.0 | 25.00 | 48.000 | 7.98 | 7.6 |
| 80 04 14 1125 | | .3 | 1 | 4048.0 | 3502.0 | 546.0 | 467.0 | 2050.00 | 30.000 | 7.65 | |
| 80 05 12 1050 | | .3 | 1 | 540.0 | 92.0 | 448.0 | 735.0 | 50.00 | 48.500 | 8.08 | |
| 80 06 10 1040 | | .3 | 1 | 702.0 | 88.0 | 614.0 | 860.0 | 63.00 | 55.000 | 8.05 | |
| 80 07 23 1100 | | .3 | 1 | 610.6 | 129.4 | 481.2 | 660.0 | 130.00 | 37.000 | 7.82 | 7.7 |
| 80 08 11 1120 | | .3 | 1 | 601.4 | 34.5 | 566.9 | 830.0 | 23.00 | 54.500 | 8.15 | 8.1 |
| 80 09 08 1050 | | .3 | 1 | 596.0 | 14.6 | 581.4 | 890.0 | 11 | 60.000 | 8.18 | |
| 80 10 14 1110 | | .3 | 1 | 529.1 | 6.2 | 522.9 | 842.0 | 3.70 | 55.000 | 8.16 | |
| 80 11 10 1115 | | .3 | 1 | 495.4 | 9.9 | 485.5 | 780.0 | 5.60 | 51.500 | 8.51 | |
| 80 12 09 1035 | | 3 | 1 | 808.9 | 121.0 | 687.9 | 940.0 | 45.00 | 61.000 | 8.19 | 7.4 |
| | | MAXIMUM | | 4048.0 | 3502.0 | 687.9 | 940.0 | 2050.00 | 63.500 | 8.51 | 8.1 |
| | | ARITH MEAN | | 983.7 | 428.0 | 555.7 | 794.9 | 248 | 51.273 | 8.05 | 7.7 |
| | | GEOM MEAN | | 766.2 | 72.2 | 551.4 | 782.3 | 44 | 50.197 | 8.05 | 7.7 |
| | | MINIMUM | | 495.4 | 6.2 | 448.0 | 467.0 | 3.70 | 30.000 | 7.65 | 7.4 |
| | | STD DEV | | 1042.3 | 1037.4 | 72.4 | 134.3 | 604 | 10.165 | 0.23 | 0.3 |
| | | NO OF SAMPLES | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 4 |

B.O.W / SITE: **MUDDY CREEK**
SAMPLE POINT: **AT FIRST BRIDGE ABOVE LAKE ERIE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **MUDDY CREEK**

STATION ID: **16-0032-001-02**

STORET CODE: **02**
**003**
**2280**

LAT:
LONG:
U T M: **17 0378750.0 4658000.0 4**
REGION: **01**
DISTANCE: **0.322**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 02 11 0930 | | .3 | 1 | 30511 | 4 | 3200 | 4400 | 244 | 150 | 4< | 1.5 | 2.6 | 10.0 |
| 80 03 10 1055 | | .3 | 1 | 30526 | 4 0 | 3600 | 15100 | 300 | 1500> | 4< | 1.2 | 4.7 | 5.8 |
| 80 04 14 1055 | | .3 | 1 | 30540 | 6 | 900I | 6000 | 230 | 270 | 4< | 7.0 | 8.9 | 4.0 |
| 80 05 12 1025 | | .3 | 1 | 30558 | 9 0 | 520C | 3100 | 16 | 140 | 4< | 11.8 | 5.2 | 6.8 |
| 80 06 10 1015 | | .3 | 1 | 30594 | 3 | 19000 | 52000 | 1090 | 1080 | 4 | 14.2 | 5.9 | 2.8 |
| 80 07 23 1035 | | .3 | 1 | 30615 | 9 0 3 | 41000 | 230000 | 1500> | 1500> | 88 | 21.7 | 8.3 | 5.1 |
| 80 08 11 1055 | | .3 | 1 | 30624 | 3 0 | 4300C | 27000 | 300I | 100I | 20 | 23.0 | 4.3 | 4.7 |
| 80 09 08 1030 | | .3 | 1 | 30639 | 3 | | | | | | 22.5 | 4.6 | 5.5 |
| 80 10 14 1050 | | .3 | 1 | 30648 | 3 0 | 1700 | 6300 | 190 | 750 | 4 | 12.0 | 6.7 | 2.4 |
| 80 11 10 1045 | | .3 | 1 | 30654 | 6 | 14200C | 55000 | 210 | 350 | 4< | 8.1 | 9.8 | 9.4 |
| 80 12 09 1015 | | .3 | 1 | 30670 | 3 6 | 16000 | 52000 | 620 | 1500> | 4< | 5.5 | 7.4 | 6.0 |
| | | MAXIMUM | | | | 41000 | 230000 | 1500> | 1500> | 88 | 23.0 | 9.8 | 10.0 |
| | | ARITH MEAN | | | | 10442 | 45090 | 470G | 734G | 14L | 11.7 | 6.2 | 5.7 |
| | | GEOM MEAN | | | | 4835 | 19305 | 283G | 471G | 6L | 8.3 | 5.8 | 5.2 |
| | | MINIMUM | | | | 520 | 3100 | 16 | 100 | 4< | 1.2 | 2.6 | 2.4 |
| | | STD DEV | | | | 12715 | 68365 | 470G | 609G | 26L | 8.0 | 2.2 | 2.4 |
| | | NO OF SAMPLES | | | | 10 | 10 | 10 | 10 | 10 | 11 | 11 | 11 |

| TEST-NAME: | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 02 11 0930 | | .3 | 1 | 0.530 | 0.145 | 2.100 | 3.500 | 0.011 | 0.210 | 2.321 | 1.400 | 3.721 | 196.0 |
| 80 03 10 1055 | | .3 | 1 | 0.410 | 0.215 | 1.420 | 3.000 | 0.026 | 0.430 | 1.876 | 1.580 | 3.456 | 200.0 |
| 80 04 14 1055 | | .3 | 1 | 0.520 | 0.197 | 5.400 | 6.900 | 0.148 | 3.400 | 8.948 | 1.500 | 10.448 | 370.0 |
| 80 05 12 1025 | | 3 | 1 | 0.800 | 0.116 | 3.200 | 6.300 | 0.134 | 0.450 | 3.784 | 3.100 | 6.884 | 300.0 |
| 80 06 10 1015 | | .3 | 1 | 0.830 | 0.450 | 1.300 | 3.300 | 0.250 | 8.400 | 9.950 | 2.000 | 11.950 | 514.0 |
| 80 07 23 1035 | | .3 | 1 | 0.785 | 0.300 | 0.850 | 2.600 | 0.132 | 1.820 | 2.802 | 1.750 | 4.552 | 313.4 |
| 80 08 11 1055 | | .3 | 1 | 0.380 | 0.156 | 0.790 | 1.800 | 0.107 | 1.350 | 2.247 | 1.010 | 3.257 | 243.3 |
| 80 09 08 1030 | | 3 | 1 | 0.375 | 0.160 | 1.250 | 2.300 | 0.114 | 1.240 | 2.604 | 1.050 | 3.654 | 252.2 |
| 80 10 14 1050 | | .3 | 1 | 0.300 | 0.129 | 1.400 | 2.200 | 0.096 | 1.400 | 2.896 | 0.800 | 3.696 | 257.9 |
| 80 11 10 1045 | | .3 | 1 | 0.655 | 0.200 | 1.700 | 3.850 | 0.058 | 0.570 | 2.328 | 2.150 | 4.478 | 292.8 |
| 80 12 09 1015 | | .3 | 1 | 0.365 | 0.115 | 2.100 | 3.580 | 0.054 | 1.520 | 3.674 | 1.480 | 5.154 | 346.2 |
| | | MAXIMUM | | 0.830 | 0.450 | 5.400 | 6.900 | 0.250 | 8.400 | 9.950 | 3.100 | 11.950 | 514.0 |
| | | ARITH MEAN | | 0.541 | 0.198 | 1.955 | 3.575 | 0.103 | 1.890 | 3.948 | 1.620 | 5.568 | 298.7 |
| | | GEOM MEAN | | 0.510 | 0.182 | 1.670 | 3.292 | 0.078 | 1.142 | 3.350 | 1.516 | 5.021 | 287.9 |
| | | MINIMUM | | 0.300 | 0.115 | 0.790 | 1.800 | 0.011 | 0.210 | 1.876 | 0.800 | 3.257 | 196.0 |
| | | STD DEV | | 0.196 | 0.099 | 1.328 | 1.631 | 0.067 | 2.335 | 2.789 | 0.639 | 2.984 | 90.1 |
| | | NO OF SAMPLES | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

(CONTD)

B.O.W / SITE **MUDDY CREEK**
SAMPLE POINT **AT FIRST BRIDGE ABOVE LAKE ERIE**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ERIE**
TERM STREAM **MUDDY CREEK**

STATION ID **16-0032-001-02**
STORET CODE **02**
**003**
**2280**

LAT LONG U T M **17 0378750.0 4658000.0 4** REGION **01** DISTANCE **0.322**

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH | COLAP | COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | COLOUR APPARENT HZU | CHEM. OX DEMAND MG/L AS O |
| 80 02 11 0930 | | | .3 | 1 | 4 5 | 232 000 | 357.0 | 6 80 | 22 500 | 7.08 | 6.8 | 6.000 | 30 |
| 80 03 10 1055 | | | 3 | 1 | 8 0 | 218.000 | 336.0 | 5 80 | 25 500 | 7.14 | 6.8 | 16 000 | 39 |
| 80 04 14 1055 | | | 3 | 1 | 97 0 | 273.0 | 520.0 | 48 00 | 29 000 | 7 64 | 7.8 | 80.000 | 43 |
| 80 05 12 1025 | | | .3 | 1 | 84.0 | 229 000 | 352.0 | 46 00 | 21 000 | 7 52 | | 37.000 | 32 |
| 80 06 10 1015 | | | 3 | 1 | 134.0 | 252 000 | 388.0 | 160 00 | 18 000 | 7 66 | | 222.000 | 38 |
| 80 07 23 1035 | | | .3 | 1 | 100 4 | 123.600 | 344.0 | 74.00 | 23.500 | 7 63 | 7.5 | 69 000 | 63 |
| 80 08 11 1055 | | | 3 | 1 | 48.8 | 216.000 | 333.0 | 26 00 | 20 000 | 7.39 | 7.4 | 27.000 | 16 |
| 80 09 08 1030 | | | 3 | 1 | 47 9 | 22 000 | 338.0 | 42.00 | 21 000 | 7 11 | | 30.000 | 16 |
| 80 10 14 1050 | | | 3 | 1 | 33 9 | 241 000 | 372.0 | 23 00 | 23 000 | 7.63 | | 19.000 | 28 |
| 80 11 10 1045 | | | 3 | 1 | 46.3 | 246.5 | 440.0 | 21.00 | 24 000 | 7 82 | | 21.000 | 43 |
| 80 12 09 1015 | | | .3 | 1 | 48.3 | 297 9 | 452 0 | 31 00 | 28 500 | 7 58 | 7.4 | 28 000 | 29 |
| MAXIMUM | | | | | 134.0 | 297.9 | 520.0 | 160.00 | 29.000 | 7.82 | 7.8 | 222.000 | 63 |
| ARITH MEAN | | | | | 59.4 | 213.7 | 384.7 | 43.96 | 23.273 | 7.47 | 7.3 | 50.455 | 34 |
| GEOM MEAN | | | | | 41.9 | 184.1 | 380.8 | 29.87 | 23.052 | 7.47 | 7.3 | 32.260 | 32 |
| MINIMUM | | | | | 4.5 | 22.000 | 333.0 | 5.80 | 18.000 | 7.08 | 6.8 | 6.000 | 16 |
| STD DEV | | | | | 40.1 | 77.0 | 60.6 | 43.23 | 3.394 | 0.25 | 0.4 | 61.089 | 13 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 6 | 11 | 11 |

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B.O.W / SITE **DUTTON DRAIN**
SAMPLE POINT **CONC.RD.7 DUNWICH TWP.S-W OF DUTTON**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ERIE**
TERM STREAM **TYRCONNELL CREEK**

STATION ID **16-0072-001-02**
STORET CODE **02**
**003**
**1860**

LAT LONG U T M **17 0459800.0 4719900.0 4** REGION **01** DISTANCE **8.851**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 29 1140 | | | 3 | 1 | 35007 | 4 | 98000 | 40000 | 8800 | 360 | 4< | 0 5 | 12.5 | 0 4 |
| 80 02 26 1145 | | | .3 | 1 | 35017 | 4 | | | | | | 0.0 | 12 5 | 2 2 |
| 80 03 25 0915 | | | 3 | 1 | 35027 | 6 | 3300C | 28000 | 1300 | 53200> | 30I | 1 0 | 11.5 | 1 4 |
| 80 05 28 1100 | | | 3 | 1 | 35048 | 6 | 1900C | 50000 | 250 | 110 | 4< | 14 0 | 7.0 | 3 0 |
| 80 06 24 0915 | | | .3 | 1 | 35059 | 6 | 3700 | 5500 | 630 | 400 | 4< | 20 0 | 6 5 | 2 4 |
| 80 07 29 1145 | | | .3 | 1 | 35070 | 6 | 63000C | 290000 | 10000 | 1500> | 252 | 20 5 | 6.5 | 2.8 |
| 80 08 26 1050 | | | 3 | 1 | 35081 | 6 | 4200C | 39000 | 200I | 400I | 10< | 21 5 | 6 0 | 1.1 |
| 80 09 23 1200 | | | 3 | 1 | 35092 | 6 3 | 84000C | 490000 | 27000> | 61000> | 600> | 16 5 | 7 0 | 3 0 |
| 80 10 28 1030 | | | 3 | 1 | 35103 | 6 | 500I | 1800 | 1000< | 1000I | 10< | 6 0 | 10 0 | 0 9 |
| 80 11 24 1530 | | | 3 | 1 | 35113 | 6 | 1000 | 1300 | 188 | 270 | 4< | 4.5 | 9 5 | 1 3 |
| MAXIMUM | | | | | | | 98000 | 490000 | 27000> | 61000> | 600> | 21.5 | 12.5 | 3.0 |
| ARITH MEAN | | | | | | | 28844 | 105067 | 5485B | 13138G | 102B | 10.4 | 8.9 | 1.8 |
| GEOM MEAN | | | | | | | 6645 | 25128 | 1381B | 1266G | 17B | 5.5 | 8.6 | 1.6 |
| MINIMUM | | | | | | | 500 | 1300 | 188< | 110 | 4< | 0.0 | 6.0 | 0.4 |
| STD DEV | | | | | | | 40602 | 170033 | 8936B | 25004G | 203B | 8.9 | 2.6 | 0.9 |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 10 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 29 1140 | | | .3 | 1 | 0.056 | 0 029 | 0 070 | 0 740 | 0.026 | 8 200 | 8 296 | 0.670 | 8 966 | 576.0 |
| 80 02 26 1145 | | | 3 | 1 | 0.154 | 0 094 | 0 105 | 1 180 | 0.030 | 6.220 | 6 355 | 1.075 | 7 430 | 388.0 |
| 80 03 25 0915 | | | .3 | 1 | 0 475 | 0 129 | 0 170 | 2 200 | 0.033 | 3 670 | 3.873 | 2 030 | 5.903 | 484.0 |
| 80 05 28 1100 | | | 3 | 1 | 0.112 | 0.050 | 0.035 | 1.320 | 0.078 | 3 700 | 3.813 | 1.285 | 5.098 | 558 0 |
| 80 06 24 0915 | | | 3 | 1 | 0.112 | 0 017 | 0.040 | 1 140 | 0.091 | 6 400 | 6 531 | 1 100 | 7 631 | 560.0 |
| 80 07 29 1145 | | | .3 | 1 | 0 245 | 0 158 | 0 095 | 1 900 | 0 153 | 13 000 | 13 248 | 1.805 | 15 053 | 551 8 |
| 80 08 26 1050 | | | 3 | 1 | 0.085 | 0 011 | 0.015 | 1 10 | 0 008 | 0 63 | 0 653 | 1.085 | 1 738 | 582 9 |
| 80 09 23 1200 | | | .3 | 1 | 0 440 | 0.250 | 0 055 | 2 00 | 0 059 | 4.2 | 4 314 | 1.945 | 6.259 | 516.3 |
| 80 10 28 1030 | | | 3 | 1 | 0.034 | 0 026 | 0.010 | 1 08 | 0 018 | 6.5 | 6 528 | 1.070 | 7.598 | 587 1 |
| 80 11 24 1530 | | | .3 | 1 | 0.044 | 0.014 | 0 030 | 1 160 | 0.004 | 4.800 | 4 834 | 1 130 | 5.964 | 559 0 |
| MAXIMUM | | | | | 0.475 | 0.250 | 0.170 | 2.200 | 0.153 | 13.000 | 13.248 | 2.030 | 15.053 | 587.1 |
| ARITH MEAN | | | | | 0.176 | 0.078 | 0.062 | 1.38 | 0.050 | 5.7 | 5.844 | 1.319 | 7.164 | 536.3 |
| GEOM MEAN | | | | | 0.122 | 0.047 | 0.046 | 1.31 | 0.031 | 4.6 | 4.761 | 1.253 | 6.390 | 532.8 |
| MINIMUM | | | | | 0.034 | 0.011 | 0.010 | 0.740 | 0.004 | 0.63 | 0.653 | 0.670 | 1.738 | 388.0 |
| STD DEV | | | | | 0.161 | 0.080 | 0.049 | 0.47 | 0.046 | 3.2 | 3.339 | 0.449 | 3.391 | 60.8 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 29 1140 | | | .3 | 1 | 11 0 | 565.0 | 800.0 | 21.00 | 53.500 | 8.08 |
| 80 02 26 1145 | | | .3 | 1 | 20.0 | 368 0 | 590.0 | 30 00 | 32 500 | 7.81 |
| 80 03 25 0915 | | | .3 | 1 | 147.0 | 228 000 | 351 0 | 200.00 | 22 500 | |
| 80 05 28 1100 | | | 3 | 1 | 41 0 | 517.0 | 700.0 | 46.00 | 48 500 | 8.02 |
| 80 06 24 0915 | | | 3 | 1 | 51.0 | 509 0 | 720.0 | 60.00 | 52 000 | 7 97 |
| 80 07 29 1145 | | | .3 | 1 | 58 1 | 493 7 | 510.0 | 73 00 | 22 500 | 7 77 |
| 80 08 26 1050 | | | .3 | 1 | 16 9 | 566 0 | 790 | 23 | 85 5 | 8 08 |
| 80 09 23 1200 | | | 3 | 1 | 60.3 | 456.0 | 489 | 170 | 26 0 | 7 87 |
| 80 10 28 1030 | | | .3 | 1 | 8 3 | 578 8 | 840 | 13 | 39 5 | 8.04 |
| 80 11 24 1530 | | | .3 | 1 | 6.0 | 553.0 | 820.0 | 4 00 | 49.500 | 8.14 |
| MAXIMUM | | | | | 147.0 | 578.8 | 840 | 200.00 | 85.5 | 8.14 |
| ARITH MEAN | | | | | 42.0 | 483.4 | 681 | 64 | 43.2 | 7.98 |
| GEOM MEAN | | | | | 26.9 | 468.4 | 638 | 37 | 39.6 | 7.97 |
| MINIMUM | | | | | 6.0 | 228.000 | 351.0 | 4.00 | 22.500 | 7.77 |
| STD DEV | | | | | 42.4 | 109.8 | 167 | 67 | 19.2 | 0.13 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 9 |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **DODD CREEK**
SAMPLE POINT: **FIRST CONCESSION NORTH OF HIGHWAY 3**
STATION TYPE: **RIVER FLOW GAUGE MOE 02GC104**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **KETTLE CREEK**

STATION ID: **16-0007-004-02**
STORET CODE: **02**
**003**
**1980**

LAT: LONG: U T M: **17 0477275.0 4740275.0 4** REGION: **01** DISTANCE: **36.370**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 28 1020 | | | .3 | 1 | 51953 | 4 | 4700 | 12900 | 700I | 310 | 4< | 2.0 | 10.0 | 16.0 |
| 80 03 31 1400 | | | .3 | 1 | 31811 | | 6800C | 46000 | 1200 | 1500> | | 5.0 | | 4.0 |
| 80 04 29 1350 | | | .3 | 1 | 31824 | | 1600 | 18000 | 320 | 1600 | 4 | 10.0 | 8.0 | 9.2 |
| 80 05 29 1230 | | | .3 | 1 | 31836 | | 2200C | 235000 | 72 | 120 | 8 | 11.0 | 9.0 | 14.0 |
| 80 06 26 1250 | | | .3 | 1 | 31848 | | 3500C | 33000 | 1500> | 192 | 4< | 21.0 | 8.5 | 10.8 |
| 80 07 23 1230 | | | .3 | 1 | 31860 | | | | | | | 23.0 | 7.5 | 1.2 |
| 80 08 27 1315 | | | .3 | 1 | 31872 | | | | | | | 25.0 | 8.5 | 1.4 |
| 80 09 30 1335 | | | .3 | 1 | 31884 | | 4500 | 18000 | 2800 | 240 | 4< | 17.0 | 8.0 | 2.8 |
| 80 10 28 1450 | | | .3 | 1 | 31896 | | 2100 | 10900 | 800I | 1130 | 4< | 7.0 | 7.5 | |
| 80 11 24 1455 | | | .3 | 1 | 32008 | 6 | 2200C | 88000 | 250 | 340 | 4< | 4.0 | 9.5 | 2.8 |
| MAXIMUM | | | | | | | 6800 | 235000 | 2800> | 1600> | 8 | 25.0 | 10.0 | 16.0 |
| ARITH MEAN | | | | | | | 3450 | 57725 | 955G | 679G | 5L | 12.5 | 8.5 | 6.9 |
| GEOM MEAN | | | | | | | 3084 | 33089 | 598G | 447G | 4L | 9.6 | 8.5 | 4.7 |
| MINIMUM | | | | | | | 1600 | 10900 | 72 | 120 | 4< | 2.0 | 7.5 | 1.2 |
| STD DEV | | | | | | | 1783 | 76017 | 889G | 623G | 2L | 8.4 | 0.9 | 5.7 |
| NO OF SAMPLES | | | | | | | 8 | 8 | 8 | 8 | 7 | 10 | 9 | 9 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 28 1020 | | | .3 | 1 | 0.395 | 0.230 | 0.020 | 1.020 | 0.038 | 2.410 | 2.468 | 1.000 | 3.468 | 476.0 |
| 80 03 31 1400 | | | .3 | 1 | 1.950 | 0.085 | 0.070 | 6.300 | 0.028 | 2.600 | 2.698 | 6.230 | 8.928 | 1992.0 |
| 80 04 29 1350 | | | .3 | 1 | 0.298 | 0.194 | 0.005 | 1.02 | 0.037 | 2.06 | 2.102 | 1.015 | 3.117 | 380.0 |
| 80 05 29 1230 | | | .3 | 1 | 0.490 | 0.250 | 0.020 | 1.100 | 0.010 | 0.060 | 0.090 | 1.080 | 1.170 | 458.0 |
| 80 06 26 1250 | | | .3 | 1 | 0.340 | 0.191 | 0.215 | 1.450 | 0.071 | 0.580 | 0.866 | 1.235 | 2.101 | 448.0 |
| 80 07 23 1230 | | | .3 | 1 | 0.262 | 0.081 | 0.190 | 1.820 | 0.240 | 15.400 | 15.830 | 1.630 | 17.460 | 612.6 |
| 80 08 27 1315 | | | .3 | 1 | 0.310 | 0.187 | 0.025 | 0.710 | 0.006 | 0.080 | 0.111 | 0.685 | 0.796 | 390.1 |
| 80 09 30 1335 | | | .3 | 1 | 0.510 | 0.415 | 0.075 | 0.810 | 0.017 | 0.500 | 0.592 | 0.735 | 1.327 | 434.8 |
| 80 10 28 1450 | | | .3 | 1 | 0.108 | 0.070 | 0.025 | 0.860 | 0.026 | 6.170 | 6.221 | 0.835 | 7.056 | 492.4 |
| 80 11 24 1455 | | | .3 | 1 | 0.208 | 0.130 | 0.010 | 0.700 | 0.022 | 1.330 | 1.362 | 0.690 | 2.052 | 446.5 |
| MAXIMUM | | | | | 1.950 | 0.415 | 0.215 | 6.300 | 0.240 | 15.400 | 15.830 | 6.230 | 17.460 | 1992.0 |
| ARITH MEAN | | | | | 0.487 | 0.183 | 0.065 | 1.57 | 0.049 | 3.11 | 3.234 | 1.513 | 4.747 | 613.0 |
| GEOM MEAN | | | | | 0.369 | 0.169 | 0.035 | 1.20 | 0.029 | 1.08 | 1.254 | 1.148 | 3.021 | 528.2 |
| MINIMUM | | | | | 0.108 | 0.070 | 0.005 | 0.700 | 0.006 | 0.060 | 0.090 | 0.685 | 0.796 | 380.0 |
| STD DEV | | | | | 0.528 | 0.103 | 0.076 | 1.69 | 0.069 | 4.68 | 4.778 | 1.682 | 5.197 | 488.7 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | ALKT | PH | PHNOL | CRUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PHENOLS UNF-REAC UG/L PHENOL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU |
| 80 01 28 1020 | | | .3 | 1 | 16.5 | 459.5 | 680.0 | 8.80 | 40.000 | | 7.64 | 1.000< | | 0.010 |
| 80 03 31 1400 | | | .3 | 1 | 1666.0 | 326.000 | 378.0 | 255 | 25.000 | | 7.75 | | 0.020< | 0.010< |
| 80 04 29 1350 | | | .3 | 1 | 17.0 | 363.0 | 605.0 | 16.00 | 31.500 | | 7.86 | 1.000< | 0.020< | 0.020 |
| 80 05 29 1230 | | | .3 | 1 | 19.0 | 439.0 | 690.0 | 6.50 | 53.500 | | 7.72 | 1.500 | 0.020< | 0.010< |
| 80 06 26 1250 | | | .3 | 1 | 51.5 | 396.5 | 720.0 | 44.00 | 49.500 | | 7.93 | 1.000< | 0.020 | 0.050 |
| 80 07 23 1230 | | | .3 | 1 | 67.4 | 545.2 | 640.0 | 60.00 | 42.000 | 177.0 | 8.05 | 1.000 | 0.010 | 0.010< |
| 80 08 27 1315 | | | .3 | 1 | | | 600.0 | 9.30 | 43.500 | | 8.50 | 1.000< | 0.010< | 0.030 |
| 80 09 30 1335 | | | .3 | 1 | 25.2 | 409.6 | 670.0 | 21.00 | 43.500 | | 8.06 | 1.000< | 0.100< | 0.025 |
| 80 10 28 1450 | | | .3 | 1 | 11.5 | 480.9 | 700.0 | 14.00 | 44.500 | | 8.13 | 1.000< | | |
| 80 11 24 1455 | | | .3 | 1 | 7.5 | 439.0 | 710.0 | 4.00 | 47.000 | | 7.91 | 1.000< | 0.100< | 0.039 |
| MAXIMUM | | | | | 1666.0 | 545.2 | 720.0 | 255 | 53.500 | 177.0 | 8.50 | 1.500 | 0.100 | 0.050 |
| ARITH MEAN | | | | | 209.1 | 428.7 | 639.3 | 43 | 42.000 | 177.0 | 7.95 | 1.066L | 0.037L | 0.023L |
| GEOM MEAN | | | | | 34.4 | 424.3 | 630.2 | 19 | 41.133 | | 7.95 | 1.046L | 0.025L | 0.019L |
| MINIMUM | | | | | 7.5 | 326.000 | 378.0 | 4.00 | 25.000 | 177.0 | 7.64 | 1.000< | 0.010< | 0.010< |
| STD DEV | | | | | 546.7 | 64.9 | 100.8 | 76 | 8.350 | | 0.25 | 0.167L | 0.039L | 0.015L |
| NO OF SAMPLES | | | | | 9 | 9 | 10 | 10 | 10 | 1 | 10 | 9 | 8 | 9 |

| TEST-NAME: | | | | | PBUT | CDUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 01 28 1020 | | | .3 | 1 | | | 0.040 | 0.040 |
| 80 03 31 1400 | | | .3 | 1 | | | 0.010< | 0.020< |
| 80 04 29 1350 | | | .3 | 1 | | | 0.100 | 0.360 |
| 80 05 29 1230 | | | .3 | 1 | | | 0.030< | 0.100 |
| 80 06 26 1250 | | | .3 | 1 | | | 0.050 | 0.010< |
| 80 07 23 1230 | | | .3 | 1 | 0.010< | 0.010< | 0.027 | |
| 80 08 27 1315 | | | .3 | 1 | | | 0.033 | 0.030 |
| 80 09 30 1335 | | | .3 | 1 | | | 0.070 | 0.027 |
| 80 11 24 1455 | | | .3 | 1 | | | 0.080 | 0.025< |
| MAXIMUM | | | | | 0.010 | 0.010 | 0.100 | 0.360 |
| ARITH MEAN | | | | | 0.010L | 0.010L | 0.049L | 0.078L |
| GEOM MEAN | | | | | | | 0.041L | 0.039L |
| MINIMUM | | | | | 0.010< | 0.010< | 0.010< | 0.010< |
| STD DEV | | | | | | | 0.029L | 0.118L |
| NO OF SAMPLES | | | | | 1 | 1 | 9 | 8 |

B.O.W./SITE: **BEAVER CREEK**
SAMPLE POINT: **AT POND OUTLET COMMUNITY OF UNION**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **KETTLE CREEK**

STATION ID: **16-0087-006-02**
STORET CODE: **02**
**003**
**1660**

LAT: LONG: U.T.M. **17 0483800.0 4728150.0 4** REGION: **01** DISTANCE: **7.403**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 28 1115 | | .3 | 1 | 51951 | 4 | 2100 | 2300 | 150 | 10I | 4< | 3.0 | 5.0 | 0.3 |
| 80 03 31 1220 | | .3 | 1 | 31809 | | 840C | 3200 | 700I | 50I | 4< | 5.0 | 6.0 | 1.6 |
| 80 04 29 1230 | | .3 | 1 | 31822 | | 660C | 2400 | 130 | 10I | 4< | 10.0 | 7.0 | 3.2 |
| 80 05 29 1215 | | .3 | 1 | 31834 | | 370 | 910 | 24 | 8 | 4< | 18.0 | 10.0 | 3.4 |
| 80 06 26 1150 | | .3 | 1 | 31846 | | 1900C | | 266 | 88 | 4< | 24.0 | 9.0 | 1.8 |
| 80 08 27 1210 | | .3 | 1 | 31870 | | | | | | | 26.0 | 8.0 | 1.6 |
| 80 09 30 1240 | | .3 | 1 | 31882 | | 100I | 4400 | 100 | 10I | 4< | 17.0 | 7.5 | 1.0 |
| 80 10 28 1300 | | .3 | 1 | 31894 | | 5700 | 20000 | 170 | 1120 | 4< | 6.0 | 8.0 | 1.6 |
| MAXIMUM | | | | | | 5700 | 20000 | 700 | 1120 | 4 | 26.0 | 10.0 | 3.4 |
| ARITH MEAN | | | | | | 1667 | 5535 | 220 | 185 | 4L | 13.6 | 7.6 | 1.8 |
| GEOM MEAN | | | | | | 897 | 3350 | 147 | 33 | 4L | 10.7 | 7.4 | 1.5 |
| MINIMUM | | | | | | 100 | 910 | 24 | 8 | 4< | 3.0 | 5.0 | 0.3 |
| STD DEV | | | | | | 1930 | 7179 | 224 | 413 | 0L | 8.9 | 1.6 | 1.0 |
| NO OF SAMPLES | | | | | | 7 | 6 | 7 | 7 | 7 | 8 | 8 | 8 |

| TEST-NAME: | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 28 1115 | | .3 | 1 | 0.030 | 0.010 | 0.080 | 0.390 | 0.017 | 3.730 | 3.827 | 0.310 | 4.137 | 380.0 |
| 80 03 31 1220 | | .3 | 1 | 0.086 | 0.021 | 0.115 | 0.700 | 0.021 | 2.400 | 2.536 | 0.585 | 3.121 | 362.0 |
| 80 04 29 1230 | | .3 | 1 | 0.106 | 0.006 | 0.100 | 1.000 | 0.025 | 1.930 | 2.055 | 0.900 | 2.955 | 380.0 |
| 80 05 29 1215 | | .3 | 1 | 0.067 | 0.006 | 0.175 | 1.020 | 0.047 | 1.700 | 1.922 | 0.845 | 2.767 | 362.0 |
| 80 06 26 1150 | | .3 | 1 | 0.073 | 0.025 | 0.150 | 0.840 | 0.059 | 1.900 | 2.109 | 0.690 | 2.799 | 292.0 |
| 80 08 27 1210 | | .3 | 1 | 0.080 | 0.021 | 0.155 | 0.850 | 0.033 | 0.980 | 1.168 | 0.695 | 1.863 | 392.7 |
| 80 09 30 1240 | | .3 | 1 | 0.054 | 0.019 | 0.083 | 0.670 | 0.036 | 1.440 | 1.559 | 0.587 | 2.146 | 383.4 |
| 80 10 28 1300 | | .3 | 1 | 0.081 | 0.018 | 0.060 | 0.820 | 0.045 | 2.760 | 2.865 | 0.760 | 3.625 | 397.2 |
| MAXIMUM | | | | 0.106 | 0.025 | 0.175 | 1.020 | 0.059 | 3.730 | 3.827 | 0.900 | 4.137 | 397.2 |
| ARITH MEAN | | | | 0.072 | 0.016 | 0.115 | 0.786 | 0.035 | 2.105 | 2.255 | 0.671 | 2.927 | 368.7 |
| GEOM MEAN | | | | 0.068 | 0.014 | 0.108 | 0.758 | 0.033 | 1.960 | 2.129 | 0.644 | 2.844 | 367.2 |
| MINIMUM | | | | 0.030 | 0.006 | 0.060 | 0.390 | 0.017 | 0.980 | 1.168 | 0.310 | 1.863 | 292.0 |
| STD DEV | | | | 0.023 | 0.007 | 0.041 | 0.202 | 0.014 | 0.854 | 0.825 | 0.184 | 0.734 | 33.5 |
| NO OF SAMPLES | | | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |

| TEST-NAME: | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 28 1115 | | .3 | 1 | 3.0 | 377.0 | 625.0 | 4.20 | 21.000 | 8.06 |
| 80 03 31 1220 | | .3 | 1 | 41.0 | 321.0 | 505.0 | 24.00 | 20.000 | 8.12 |
| 80 04 29 1230 | | .3 | 1 | 35.0 | 345.0 | 550.0 | 30.00 | 21.000 | 8.13 |
| 80 05 29 1215 | | .3 | 1 | 19.5 | 342.5 | 530.0 | 9.20 | 21.000 | 8.50 |
| 80 06 26 1150 | | .3 | 1 | 16.0 | 276.0 | 505.0 | 23.00 | 20.000 | 8.24 |
| 80 08 27 1210 | | .3 | 1 | 10.0 | 382.7 | 520.0 | 7.30 | 20.000 | 8.21 |
| 80 09 30 1240 | | .3 | 1 | 5.6 | 377.8 | 560.0 | 7.50 | 21.000 | 8.16 |
| 80 10 28 1300 | | .3 | 1 | 15.0 | 382.2 | 610.0 | 13.00 | 24.000 | 7.95 |
| MAXIMUM | | | | 41.0 | 382.7 | 625.0 | 30.00 | 24.000 | 8.50 |
| ARITH MEAN | | | | 18.1 | 350.5 | 550.6 | 14.77 | 21.000 | 8.17 |
| GEOM MEAN | | | | 13.5 | 348.6 | 549.0 | 12.09 | 20.968 | 8.17 |
| MINIMUM | | | | 3.0 | 276.0 | 505.0 | 4.20 | 20.000 | 7.95 |
| STD DEV | | | | 13.5 | 37.8 | 45.8 | 9.56 | 1.309 | 0.16 |
| NO OF SAMPLES | | | | 8 | 8 | 8 | 8 | 8 | 8 |

B.O.W./SITE: **KETTLE CREEK**
SAMPLE POINT: **FIRST CONCESSION SOUTH WEST OF BELMONT**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **KETTLE CREEK**

STATION ID: **16-0087-007-02**
STORET CODE: **02**
**003**
**1660**

LAT: LONG: U.T.M. **17 0491500.0 4746650.0 4** REGION: **01** DISTANCE: **44.417**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 27 1420 | | .3 | 1 | 51946 | 4 | 18000 | 24000 | 100< | 100< | 4< | 3.0 | 8.5 | 1.2 |
| 80 03 31 1050 | | .3 | 1 | 31803 | | 14000 | 39000 | 750 | 22000> | | 4.0 | 5.0 | 2.2 |
| 80 04 29 1030 | | .3 | 1 | 31816 | | 4800 | 16000 | 450 | 900I | 4< | 10.0 | 7.0 | 1.8 |
| 80 05 29 1020 | | .3 | 1 | 31829 | | 10700 | 14000 | 1060 | 152 | 4< | 12.0 | 8.0 | 0.8 |
| 80 06 26 1000 | | .3 | 1 | 31841 | | 73000 | 200000 | 1500> | 620 | 48 | 22.0 | 9.0 | 2.0 |
| 80 07 23 1010 | | .3 | 1 | 31853 | | | | | | | 21.0 | 6.0 | 2.0 |
| 80 08 27 0950 | | .3 | 1 | 31865 | | | | | | | 22.0 | 7.0 | 0.8 |
| 80 09 30 1000 | | .3 | 1 | 31877 | | 1700C | 29000 | 440 | 130 | 4< | 14.0 | 7.5 | 0.9 |
| 80 10 28 1040 | | .3 | 1 | 31889 | | 3100 | 15500 | 360 | 780 | 4 | 6.0 | 6.0 | 0.9 |
| 80 11 24 1130 | | .3 | 1 | 32001 | 6 | 1500 | 8800 | 140 | 240 | 4< | 3.0 | 6.0 | 1.0 |
| MAXIMUM | | | | | | 73000 | 200000 | 1500> | 22000> | 48 | 22.0 | 9.0 | 2.2 |
| ARITH MEAN | | | | | | 16850 | 43287 | 600B | 3115B | 10L | 11.7 | 7.0 | 1.4 |
| GEOM MEAN | | | | | | 7230 | 25262 | 431B | 509B | 6L | 9.1 | 6.9 | 1.3 |
| MINIMUM | | | | | | 1500 | 8800 | 100< | 100< | 4< | 3.0 | 5.0 | 0.8 |
| STD DEV | | | | | | 23879 | 64050 | 480B | 7637B | 17L | 7.8 | 1.3 | 0.6 |
| NO OF SAMPLES | | | | | | 8 | 8 | 8 | 8 | 7 | 10 | 10 | 10 |

(CONTD)

| TEST-NAME: | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 27 1420 | | | .3 1 | 0.059 | 0.020 | 0.085 | 0.680 | 0.020 | 5.430 | 5.535 | 0.595 | 6.130 | 420.0 |
| 80 03 31 1050 | | | .3 1 | 1.550 | 0.068 | 0.185 | 6.250 | 0.050 | 4.500 | 4.735 | 6.065 | 10.800 | 1232.0 |
| 80 04 29 1030 | | | .3 1 | 0.052 | 0.007 | 0.250 | 0.990 | 0.018 | 2.130 | 2.398 | 0.740 | 3.138 | 372.0 |
| 80 05 29 1020 | | | .3 1 | 0.061 | 0.017 | 0.080 | 0.830 | 0.035 | 1.540 | 1.655 | 0.750 | 2.405 | 386.0 |
| 80 06 26 1000 | | | .3 1 | 0.275 | 0.155 | 0.175 | 1.170 | 0.082 | 1.780 | 2.037 | 0.995 | 3.032 | 418.0 |
| 80 07 23 1010 | | | .3 1 | 0.730 | 0.168 | 0.135 | 2.700 | 0.182 | 8.700 | 9.017 | 2.565 | 11.582 | 725.0 |
| 80 08 27 0950 | | | .3 1 | 0.095 | 0.035 | 0.050 | 0.740 | 0.006 | 0.340 | 0.396 | 0.690 | 1.086 | 413.7 |
| 80 09 30 1000 | | | .3 1 | 0.092 | 0.041 | 0.025 | 0.780 | 0.017 | 1.850 | 1.892 | 0.755 | 2.647 | 492.9 |
| 80 10 28 1040 | | | .3 1 | 0.079 | 0.054 | 0.015 | 0.750 | 0.020 | 6.800 | 6.835 | 0.735 | 7.570 | 493.6 |
| 80 11 24 1130 | | | .3 1 | 0.038 | 0.011 | 0.005 | 0.700 | 0.013 | 2.500 | 2.518 | 0.695 | 3.213 | 472.3 |
| | | | MAXIMUM | 1.550 | 0.168 | 0.250 | 6.250 | 0.182 | 8.700 | 9.017 | 6.065 | 11.582 | 1232.0 |
| | | | ARITH MEAN | 0.303 | 0.058 | 0.100 | 1.559 | 0.044 | 3.557 | 3.702 | 1.458 | 5.160 | 542.5 |
| | | | GEOM MEAN | 0.131 | 0.036 | 0.061 | 1.128 | 0.028 | 2.584 | 2.749 | 1.031 | 4.063 | 504.6 |
| | | | MINIMUM | 0.038 | 0.007 | 0.005 | 0.680 | 0.006 | 0.340 | 0.396 | 0.595 | 1.086 | 372.0 |
| | | | STD DEV | 0.486 | 0.058 | 0.083 | 1.766 | 0.053 | 2.886 | 2.724 | 1.720 | 3.692 | 282.3 |
| | | | NO OF SAMPLES | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 27 1420 | | | .3 1 | 7.5 | 412.5 | 650.0 | 9.00 | 24.000 | 7.99 |
| 80 03 31 1050 | | | .3 1 | 956.0 | 276.0 | 437.0 | 550.00 | 22.000 | 7.86 |
| 80 04 29 1030 | | | .3 1 | 20.0 | 352.0 | 580.0 | 8.50 | 22.000 | 8.13 |
| 80 05 29 1020 | | | .3 1 | 14.0 | 372.0 | 590.0 | 6.20 | 22.000 | 8.21 |
| 80 06 26 1000 | | | .3 1 | 48.0 | 370.0 | 645.0 | 27.00 | 28.000 | 8.05 |
| 80 07 23 1010 | | | .3 1 | 277.0 | 448.0 | 520.0 | 250.00 | 27.500 | 7.88 |
| 80 08 27 0950 | | | .3 1 | 20.4 | 393.3 | 590.0 | 11.00 | 18.500 | 8.01 |
| 80 09 30 1000 | | | .3 1 | 21.1 | 471.8 | 680.0 | 15.00 | 29.500 | 8.19 |
| 80 10 28 1040 | | | .3 1 | 12.8 | 480.8 | 720.0 | 11.00 | 29.000 | 8.14 |
| 80 11 24 1130 | | | .3 1 | 7.2 | 465.1 | 697.0 | 4.50 | 30.000 | 8.14 |
| | | | MAXIMUM | 956.0 | 480.8 | 720.0 | 550.00 | 30.000 | 8.21 |
| | | | ARITH MEAN | 138.4 | 404.1 | 610.9 | 89.22 | 25.250 | 8.06 |
| | | | GEOM MEAN | 31.8 | 399.1 | 604.9 | 20.69 | 24.949 | 8.06 |
| | | | MINIMUM | 7.2 | 276.0 | 437.0 | 4.50 | 18.500 | 7.86 |
| | | | STD DEV | 298.7 | 64.7 | 86.4 | 178.51 | 4.029 | 0.12 |
| | | | NO OF SAMPLES | 10 | 10 | 10 | 10 | 10 | 10 |

B O W / SITE: **KETTLE CREEK**
SAMPLE POINT: **AT COUNTY ROAD 26 ST THOMAS**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **KETTLE CREEK**

STATION ID: **16-0087-009-02**
STORET CODE: **02**
**003**
**1660**

LAT:
LONG:
U T M: **17 0483450.0 4736750.0 4**
REGION: **01**
DISTANCE: **22.530**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 27 1340 | | | .3 1 | 51944 | 4 | | | | | | 3.0 | 14.0 | 3.0 |
| 80 03 31 0915 | | | .3 1 | 31801 | | 4100C | 33000 | 500I | 3300 | 4< | 5.0 | 15.0 | 2.4 |
| 80 04 29 0920 | | | .3 1 | 31814 | | 1800 | 7800 | 280 | 70I | 4< | 10.0 | 12.5 | 2.2 |
| 80 05 29 0920 | | | .3 1 | 31827 | | 1400 | 25200 | 460 | 32 | 4< | 12.0 | 8.5 | 0.8 |
| 80 06 26 0915 | | | .3 1 | 31839 | | 3000C | 35000 | 492 | 108 | 4< | 22.0 | 7.0 | 2.2 |
| 80 07 23 0920 | | | .3 1 | 31851 | | 20000 | 169000 | 730 | 740 | 140 | 20.0 | 8.0 | 1.4 |
| 80 08 27 0915 | | | .3 1 | 31863 | | | | | | | 22.0 | 6.0 | 1.0 |
| 80 09 30 0920 | | | .3 1 | 31875 | | 700I | 6500 | 390 | 150 | 12 | 12.0 | 7.5 | 1.6 |
| 80 10 28 1440 | | | .3 1 | 31887 | | 16000 | 137000 | 490 | 1500> | 32 | 5.0 | 7.5 | 2.0 |
| 80 11 24 1040 | | | 3 1 | 31999 | 6 | 100< | 100< | 60I | 40I | 4< | 3.0 | 6.5 | 2.2 |
| | | | MAXIMUM | | | 20000 | 169000 | 730 | 3300> | 140 | 22.0 | 15.0 | 3.0 |
| | | | ARITH MEAN | | | 5887L | 51700L | 425 | 742G | 25L | 11.4 | 9.2 | 1.9 |
| | | | GEOM MEAN | | | 2266L | 15549L | 357 | 219G | 9L | 8.9 | 8.8 | 1.8 |
| | | | MINIMUM | | | 100< | 100< | 60 | 32 | 4< | 3.0 | 6.0 | 0.8 |
| | | | STD DEV | | | 7655L | 64364L | 194 | 1154G | 47L | 7.6 | 3.3 | 0.7 |
| | | | NO OF SAMPLES | | | 8 | 8 | 8 | 8 | 8 | 10 | 10 | 10 |

| TEST-NAME: | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 27 1340 | | | .3 1 | 0.155 | 0.058 | 0.445 | 1.240 | 0.030 | 5.820 | 6.295 | 0.795 | 7.090 | 480.0 |
| 80 03 31 0915 | | | .3 1 | 0.495 | 0.070 | 0.175 | 1.700 | 0.041 | 5.100 | 5.316 | 1.525 | 6.841 | 708.0 |
| 80 04 29 0920 | | | .3 1 | 0.072 | 0.004 | 0.035 | 0.960 | 0.024 | 2.980 | 3.039 | 0.925 | 3.964 | 418.0 |
| 80 05 29 0920 | | | .3 1 | 0.052 | 0.004 | 0.075 | 0.810 | 0.059 | 1.580 | 1.714 | 0.735 | 2.449 | 334.0 |
| 80 06 26 0915 | | | .3 1 | 0.115 | 0.012 | 0.040 | 0.980 | 0.110 | 4.000 | 4.150 | 0.940 | 5.090 | 320.0 |
| 80 07 23 0920 | | | 3 1 | 0.246 | 0.043 | 0.350 | 1.480 | 0.170 | 1.440 | 1.960 | 1.130 | 3.090 | 522.8 |
| 80 08 27 0915 | | | .3 1 | 0.092 | 0.010 | 0.075 | 1.060 | 0.082 | 1.620 | 1.777 | 0.985 | 2.762 | 428.1 |
| 80 09 30 0920 | | | .3 1 | 0.166 | 0.038 | 0.080 | 1.020 | 0.077 | 0.990 | 1.147 | 0.940 | 2.087 | 402.0 |
| 80 10 28 1440 | | | .3 1 | 0.195 | 0.063 | 0.065 | 1.300 | 0.045 | 5.910 | 6.020 | 1.235 | 7.255 | 488.1 |
| 80 11 24 1040 | | | 3 1 | 0.050 | 0.009 | 0.140 | 0.940 | 0.026 | 3.300 | 3.466 | 0.800 | 4.266 | 489.4 |
| | | | MAXIMUM | 0.495 | 0.070 | 0.445 | 1.700 | 0.170 | 5.910 | 6.295 | 1.525 | 7.255 | 708.0 |
| | | | ARITH MEAN | 0.164 | 0.031 | 0.148 | 1.149 | 0.066 | 3.274 | 3.488 | 1.001 | 4.489 | 459.0 |
| | | | GEOM MEAN | 0.128 | 0.019 | 0.105 | 1.121 | 0.055 | 2.755 | 3.006 | 0.978 | 4.094 | 448.1 |
| | | | MINIMUM | 0.050 | 0.004 | 0.035 | 0.810 | 0.024 | 0.990 | 1.147 | 0.735 | 2.087 | 320.0 |
| | | | STD DEV | 0.133 | 0.028 | 0.140 | 0.277 | 0.046 | 1.873 | 1.890 | 0.239 | 1.986 | 110.1 |
| | | | NO OF SAMPLES | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

(CONTD)

B.O.W./ SITE **KETTLE CREEK**
SAMPLE POINT **AT COUNTY ROAD 26 ST THOMAS**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ERIE**
TERM STREAM **KETTLE CREEK**

STATION ID **16-0087-009-02**
STORET CODE **02**
**003**
**1980**

LAT LONG U.T.M **17 0483450.0 4736750.0 4** REGION **01** DISTANCE **22.530**

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 27 1340 | | | 3 | 1 | 12.0 | 468.0 | 780.0 | 12.00 | 65.000 | 7.99 |
| 80 03 31 0915 | | | 3 | 1 | 350.0 | 358.0 | 482.0 | 270.00 | 26.500 | 8.06 |
| 80 04 29 0920 | | | 3 | 1 | 32.0 | 386.0 | 585.0 | 25.00 | 37.500 | 8.12 |
| 80 05 29 0920 | | | 3 | 1 | 21.0 | 313.0 | 500.0 | 12.00 | 23.000 | 8.00 |
| 80 06 26 0915 | | | 3 | 1 | 43.5 | 276.5 | 462.0 | 11.00 | 21.500 | 8.15 |
| 80 07 23 0920 | | | 3 | 1 | 158.4 | 364.4 | 460.0 | 160.00 | 22.500 | 7.92 |
| 80 08 27 0915 | | | 3 | 1 | 38.8 | 389.3 | 510.0 | 27.00 | 22.500 | 8.01 |
| 80 09 30 0920 | | | 3 | 1 | 66.2 | 335.8 | 494.0 | 76.00 | 24.000 | 8.16 |
| 80 10 28 1440 | | | 3 | 1 | 34.5 | 453.6 | 640.0 | 61.00 | 33.000 | 8.11 |
| 80 11 24 1040 | | | 3 | 1 | 32.1 | 457.3 | 700.0 | 19.00 | 35.000 | 8.16 |
| **MAXIMUM** | | | | | **350.0** | **468.0** | **780.0** | **270.00** | **65.000** | **8.16** |
| **ARITH MEAN** | | | | | **78.8** | **380.2** | **561.3** | **67.30** | **31.050** | **8.07** |
| **GEOM MEAN** | | | | | **47.2** | **375.2** | **552.2** | **36.39** | **29.184** | **8.07** |
| **MINIMUM** | | | | | **12.0** | **276.5** | **460.0** | **11.00** | **21.500** | **7.92** |
| **STD DEV** | | | | | **103.8** | **64.2** | **111.1** | **84.87** | **13.276** | **0.08** |
| **NO OF SAMPLES** | | | | | **10** | **10** | **10** | **10** | **10** | **10** |

B.O.W./ SITE **KETTLE CREEK**
SAMPLE POINT **FIRST BRIDGE ABOVE PORT STANLEY**
STATION TYPE **RIVER FLOW GAUGE MOE 02GC111**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **KETTLE CREEK**

STATION ID **16-0087-010-02**
STORET CODE: **02**
**003**
**1980**

LAT LONG U.T.M. **17 0482175.0 4726500.0 4** REGION **01** DISTANCE **4.828**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | PPUT | PPO4FR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 01 16 0915 | | | .3 | 1 | 30504 | 6 | | | 1.0 | | 0.284 | 0.141 | 1.360 | 0.035 |
| 80 01 28 1100 | | | .3 | 1 | 51950 | 4 | 2300 | 1200 | 3.0 | 10.0 | 0.340 | 0.270 | 1.380 | 0.034 |
| 80 03 07 1005 | | | .3 | 1 | 30524 | 4 | | | 0.0 | | 0.044 | 0.010 | 0.350 | 0.016 |
| 80 03 17 0950 | | | 3 | 1 | 30532 | 3 9 | | | 2.1 | 14.6 | 1.720 | 0.200 | 8.300 | 0.101 |
| 80 03 31 1200 | | | .3 | 1 | 31808 | | 4000 | 8100 | 5.0 | 7.0 | 0.470 | 0.061 | 1.650 | 0.049 |
| 80 04 10 0930 | | | .3 | 1 | 30538 | 3 | | | 7.5 | | 0.420 | 0.078 | 1.300 | 0.036 |
| 80 04 16 0945 | | | .3 | 1 | 30549 | 3 | | | 3.0 | 13.8 | 0.650 | 0.130 | 1.700 | 0.044 |
| 80 04 21 0930 | | | .3 | 1 | 30552 | 6 | 1500> | 900 | 10.2 | 10.8 | 0.184 | 0.074 | 1.020 | 0.077 |
| 80 04 29 1215 | | | .3 | 1 | 31821 | | 24100> | 1500 | 10.0 | 8.5 | 0.191 | 0.061 | 1.780 | 0.092 |
| 80 05 29 1150 | | | .3 | 1 | 31833 | | 160 | 64 | 14.0 | 8.0 | 0.246 | 0.148 | 1.040 | 0.440 |
| 80 06 26 1140 | | | .3 | 1 | 31845 | | 570 | 150 | 24.0 | 8.5 | 0.305 | 0.149 | 0.940 | 0.003 |
| 80 07 23 1230 | | | .3 | 1 | 31857 | | | | 21.0 | 8.5 | | | | |
| 80 08 27 1145 | | | .3 | 1 | 31869 | | | | 24.0 | 8.0 | 0.200 | 0.154 | 0.870 | 0.069 |
| 80 09 30 1155 | | | .3 | 1 | 31881 | | 410 | 110 | 17.0 | 8.0 | 0.256 | 0.159 | 0.960 | 0.125 |
| 80 10 28 1240 | | | .3 | 1 | 31893 | | 1500> | 1430 | 6.0 | 7.5 | 0.266 | 0.167 | 1.200 | 0.104 |
| 80 11 13 1000 | | | 3 | 1 | 30662 | 3 6 | | | 6.0 | 13.2 | 0.280 | | | |
| 80 11 24 1300 | | | .3 | 1 | 32005 | 6 | 5200 | 900I | 4.0 | 7.5 | 0.300 | 0.240 | 1.170 | 0.105 |
| 80 12 04 1330 | | | .3 | 1 | 30669 | | | | | | 0.304 | 0.142 | 1.340 | 0.049 |
| 80 12 16 1015 | | | .3 | 1 | 30686 | 6 3 4 | | | 0.5 | | 0.300 | | | |
| **MAXIMUM** | | | | | | | **24100>** | **8100** | **24.0** | **14.6** | **1.720** | **0.270** | **8.300** | **0.440** |
| **ARITH MEAN** | | | | | | | **4416G** | **1595** | **8.8** | **9.6** | **0.376** | **0.136** | **1.647** | **0.088** |
| **GEOM MEAN** | | | | | | | **1662G** | **639** | **5.4** | **9.3** | **0.293** | **0.112** | **1.285** | **0.055** |
| **MINIMUM** | | | | | | | **160** | **64** | **0.0** | **7.0** | **0.044** | **0.010** | **0.350** | **0.003** |
| **STD DEV** | | | | | | | **7572G** | **2503** | **8.0** | **2.5** | **0.359** | **0.068** | **1.809** | **0.101** |
| **NO OF SAMPLES** | | | | | | | **9** | **9** | **18** | **14** | **18** | **16** | **16** | **16** |

| TEST-NAME: | | | | | NNO3FR | NNKI | RSP | RSF | ALKT | PH | FWPH | PHNOL | ASUT | HGUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG |
| 80 01 16 0915 | | | 3 | 1 | 5.800 | 7.195 | 55.00 | 346.00 | 187 | 7.88 | | | | 0.100 |
| 80 01 28 1100 | | | 3 | 1 | 6.170 | 7.584 | 8.00 | 466.00 | 246.0 | 8.00 | | | 0.001< | |
| 80 03 07 1005 | | | .3 | 1 | 2.900 | 3.266 | 21.50 | 416.00 | 206.0 | 7.24 | | | | 0.030 |
| 80 03 17 0950 | | | 3 | 1 | 2.600 | 11.001 | 996.00 | 372.00 | 126.0 | 7.58 | 6.7 | | 0.001< | 0.100 |
| 80 03 31 1200 | | | .3 | 1 | 5.200 | 6.899 | 361.00 | 314.00 | 160.0 | 8.04 | | 1.000< | 0.003 | |
| 80 04 10 0930 | | | 3 | 1 | 4.660 | 5.996 | 148.00 | 342.00 | 192.0 | 7.87 | | | 0.002 | 0.02 |
| 80 04 16 0945 | | | 3 | 1 | 4.200 | 5.944 | 210.00 | 334.00 | 135.0 | 7.92 | | | | 0.040 |
| 80 04 21 0930 | | | 3 | 1 | 5.020 | 6.117 | 72.50 | 382.00 | 219.0 | 8.11 | | | 0.001< | 0.020< |
| 80 04 29 1215 | | | 3 | 1 | 3.160 | 5.032 | 30.50 | 368.00 | 203.0 | 7.99 | | | 0.002 | |
| 80 05 29 1150 | | | .3 | 1 | 3.600 | 5.080 | 43.50 | 392.00 | 198.0 | 8.09 | | | 0.001< | |
| 80 06 26 1140 | | | 3 | 1 | 5.600 | 6.543 | 99.00 | 465.00 | 203.0 | 8.08 | | | | |
| 80 08 27 1145 | | | 3 | 1 | 3.530 | 4.469 | 20.30 | 443.90 | 190.0 | 8.32 | | | 0.001 | |
| 80 09 30 1155 | | | .3 | 1 | 4.100 | 5.185 | 53.50 | 461.10 | 218.0 | 8.17 | | | 0.002 | |
| 80 10 28 1240 | | | 3 | 1 | 5.550 | 6.854 | 43.10 | 451.80 | 250.0 | 8.09 | | | | |
| 80 11 13 1000 | | | 3 | 1 | | | 11.8 | | | | | | 0.001 | 0.150 |
| 80 11 24 1300 | | | 3 | 1 | 4.300 | 5.575 | 9.40 | 462.80 | 242.0 | 8.18 | | | | |
| 80 12 04 1330 | | | .3 | 1 | 7.600 | 8.989 | 78.00 | | 197.0 | 7.78 | | | 0.001< | 0.080 |
| 80 12 16 1015 | | | 3 | 1 | | | | | | | | | | 0.040< |
| **MAXIMUM** | | | | | **7.600** | **11.001** | **996.00** | **466.00** | **250.0** | **8.32** | **6.7** | **1.000** | **0.003** | **0.150** |
| **ARITH MEAN** | | | | | **4.624** | **6.358** | **133.0** | **401.11** | **198** | **7.98** | **6.7** | **1.000L** | **0.001L** | **0.06 L** |
| **GEOM MEAN** | | | | | **4.443** | **6.125** | **65.1** | **397.61** | **195** | **7.95** | | | **0.001L** | **0.05 L** |
| **MINIMUM** | | | | | **2.600** | **3.266** | **8.00** | **314.00** | **126.0** | **7.24** | **6.7** | **1.000<** | **0.001<** | **0.02 <** |
| **STD DEV** | | | | | **1.340** | **1.828** | **239.8** | **54.34** | **35** | **0.26** | | | **0.001L** | **0.04 L** |
| **NO OF SAMPLES** | | | | | **16** | **16** | **17** | **15** | **16** | **16** | **1** | **1** | **11** | **9** |

(CONTD)

| TEST-NAME: | | | | CRUT | CUUT | PBUT | CDUT | ZNUT | P1PCBT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | PCB TOTAL UG/L |
| 80 01 16 0915 | | | .3 | 1 | 0.020< | 0.020 | 0.030< | 0.005 < | 0.010< | |
| 80 01 28 1100 | | | .3 | 1 | 0.040 | 0.010< | 0.030< | 0.005 < | 0.030 | |
| 80 03 07 1005 | | | .3 | 1 | 0.020< | | 0.030< | | 0.010< | |
| 80 03 17 0950 | | | .3 | 1 | 0.020< | 0.050 | 0.030< | 0.005 < | 0.120 | |
| 80 03 31 1200 | | | .3 | 1 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | |
| 80 04 10 0930 | | | .3 | 1 | 0.04 | | 0.030< | | 0.03 | |
| 80 04 16 0945 | | | .3 | 1 | 0.020< | | 0.030< | | 0.060 | |
| 80 04 21 0930 | | | .3 | 1 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | |
| 80 04 29 1215 | | | .3 | 1 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | |
| 80 05 29 1150 | | | .3 | 1 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010 | 0.020R |
| 80 06 26 1140 | | | .3 | 1 | 0.020< | 0.020 | 0.030< | 0.005 < | 0.020 | |
| 80 07 23 1230 | | | .3 | 1 | 0.030 | 0.020 | 0.010 | 0.010 < | 0.059 | |
| 80 08 27 1145 | | | .3 | 1 | 0.005 | 0.005 | 0.003< | 0.001 < | 0.015 | 0.020R |
| 80 09 30 1155 | | | .3 | 1 | 0.005 | 0.009 | 0.004 | 0.0002< | 0.010 | |
| 80 10 28 1240 | | | .3 | 1 | 0.100< | 0.008 | 0.006 | 0.0002< | 0.030< | |
| 80 11 13 1000 | | | .3 | 1 | 0.009 | | 0.007 | | 0.043 | |
| 80 11 24 1300 | | | .3 | 1 | 0.100< | 0.014 | 0.005< | 0.0002 | 0.030< | |
| 80 12 04 1330 | | | .3 | 1 | 0.009 | 0.008 | 0.003< | 0.0002< | 0.026 | |
| 80 12 16 1015 | | | .3 | 1 | 0.004 | | 0.004 | | 0.025 | |
| MAXIMUM | | | | | 0.100 | 0.050 | 0.030 | 0.010 | 0.120 | |
| ARITH MEAN | | | | | 0.02 L | 0.015L | 0.020L | 0.003 L | 0.02 L | |
| GEOM MEAN | | | | | 0.01 L | 0.012L | 0.014L | 0.001 L | 0.02 L | |
| MINIMUM | | | | | 0.004< | 0.005< | 0.003< | 0.0002< | 0.010< | |
| STD DEV | | | | | 0.02 L | 0.011L | 0.013L | 0.002 L | 0.02 L | |
| NO OF SAMPLES | | | | | 19 | 14 | 19 | 14 | 19 | |

B.O.W./ SITE: **KETTLE CREEK**
SAMPLE POINT: **AT ELGIN COUNTY ROAD 45**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **KETTLE CREEK**

STATION ID: **16-0067-012-02**
STORET CODE: **02**
**003**
**1660**

LAT: LONG: U.T.M: **17 0482550.0 4731350.0 4** REGION: **01** DISTANCE: **17.056**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 28 1230 | | | .3 | 1 | 51952 | 4 | 174000> | 250000 | 29000 | 1500> | 32 | 2.0 | 6.0 | 7.8 |
| 80 03 31 1210 | | | .3 | 1 | 31810 | | 67000 | 92000 | 23000 | 1500> | 128C | 5.0 | 8.0 | 2.6 |
| 80 04 29 1335 | | | .3 | 1 | 31823 | | 51000 | 140000 | 8700 | 800I | 124 | 11.0 | 7.5 | 5.6 |
| 80 05 29 1210 | | | .3 | 1 | 31835 | | 261000> | 430000 | 28400> | 890 | 4< | 17.0 | 6.0 | 6.3 |
| 80 06 26 1215 | | | .3 | 1 | 31847 | | 24000 | 74000 | 3300 | 70I | 52 | 23.0 | 7.5 | 3.4 |
| 80 08 27 1240 | | | .3 | 1 | 31871 | | | | | | | 24.0 | 6.0 | 2.4 |
| 80 09 30 1250 | | | .3 | 1 | 31883 | | 68000 | 160000 | 4000 | 330 | 140 | 13.0 | 6.0 | 3.0 |
| 80 10 28 1330 | | | .3 | 1 | 31895 | | 85000 | 152000 | 8100 | 1500> | 156 | 5.0 | 6.5 | 3.0 |
| 80 11 24 1500 | | | .3 | 1 | 32007 | 6 | 25000 | 42000 | 3500 | 210 | 8 | 4.0 | 7.0 | 2.4 |
| MAXIMUM | | | | | | | 261000> | 430000 | 29000> | 1500> | 156 | 24.0 | 8.0 | 7.8 |
| ARITH MEAN | | | | | | | 94375G | 167500 | 13600G | 850G | 80L | 11.6 | 6.7 | 4.1 |
| GEOM MEAN | | | | | | | 69401G | 134113 | 9414G | 573G | 46L | 8.6 | 6.7 | 3.7 |
| MINIMUM | | | | | | | 24000 | 42000 | 3300 | 70 | 4< | 2.0 | 6.0 | 2.4 |
| STD DEV | | | | | | | 82188G | 123611 | 11333G | 605G | 63L | 8.3 | 0.8 | 2.0 |
| NO OF SAMPLES | | | | | | | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 28 1230 | | | .3 | 1 | 0.555 | 0.305 | 0.810 | 1.760 | 0.048 | 6.350 | 7.208 | 0.950 | 8.158 | 472.0 |
| 80 03 31 1210 | | | .3 | 1 | 0.455 | 0.101 | 0.165 | 1.600 | 0.057 | 5.200 | 5.422 | 1.435 | 6.857 | 614.0 |
| 80 04 29 1335 | | | .3 | 1 | 0.181 | 0.065 | 0.470 | 1.580 | 0.063 | 2.840 | 3.373 | 1.110 | 4.483 | 394.0 |
| 80 05 29 1210 | | | .3 | 1 | 0.440 | 0.300 | 1.500 | 2.700 | 1.280 | 2.800 | 5.580 | 1.200 | 6.780 | 442.0 |
| 80 06 26 1215 | | | .3 | 1 | 0.365 | 0.250 | 0.090 | 1.890 | 0.050 | 6.200 | 6.340 | 1.800 | 8.140 | 396.0 |
| 80 08 27 1240 | | | .3 | 1 | 0.324 | 0.255 | 0.355 | 1.260 | 0.300 | 4.050 | 4.705 | 0.905 | 5.610 | 491.3 |
| 80 09 30 1250 | | | .3 | 1 | 0.288 | 0.188 | 0.395 | 1.380 | 0.163 | 4.300 | 4.858 | 0.985 | 5.843 | 474.2 |
| 80 10 28 1330 | | | .3 | 1 | 0.308 | 0.197 | 0.355 | 1.400 | 0.091 | 5.560 | 6.006 | 1.045 | 7.051 | 510.5 |
| 80 11 24 1500 | | | .3 | 1 | 0.356 | 0.280 | 1.220 | 2.060 | 0.129 | 4.300 | 5.649 | 0.840 | 6.489 | 476.3 |
| MAXIMUM | | | | | 0.555 | 0.305 | 1.500 | 2.700 | 1.280 | 6.350 | 7.208 | 1.800 | 8.158 | 614.0 |
| ARITH MEAN | | | | | 0.364 | 0.216 | 0.596 | 1.737 | 0.242 | 4.622 | 5.460 | 1.141 | 6.601 | 474.5 |
| GEOM MEAN | | | | | 0.348 | 0.194 | 0.431 | 1.692 | 0.123 | 4.445 | 5.364 | 1.110 | 6.502 | 470.6 |
| MINIMUM | | | | | 0.181 | 0.065 | 0.090 | 1.260 | 0.048 | 2.800 | 3.373 | 0.840 | 4.483 | 394.0 |
| STD DEV | | | | | 0.109 | 0.086 | 0.483 | 0.443 | 0.397 | 1.310 | 1.088 | 0.304 | 1.180 | 65.9 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | PHNOL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PHENOLS UNF-REAC UG/L PHENOL |
| 80 01 28 1230 | | | .3 | 1 | 20.0 | 452.0 | 700.0 | 13.00 | 33.000 | 7.86 | 1.000< |
| 80 03 31 1210 | | | .3 | 1 | 262.0 | 352.0 | 505.0 | 220.00 | 30.500 | 7.99 | 1.500 |
| 80 04 29 1335 | | | .3 | 1 | 16.0 | 378.0 | 620.0 | 10.00 | 42.000 | 8.03 | 1.000 |
| 80 05 29 1210 | | | .3 | 1 | 17.5 | 424.5 | 610.0 | 6.20 | 45.500 | 8.05 | 1.000< |
| 80 06 26 1215 | | | .3 | 1 | 35.0 | 361.0 | 600.0 | 27.00 | 42.500 | 8.14 | 1.000< |
| 80 08 27 1240 | | | .3 | 1 | 23.3 | 468.0 | 610.0 | 15.00 | 45.500 | 8.21 | 1.000< |
| 80 09 30 1250 | | | .3 | 1 | 29.9 | 444.3 | 660.0 | 24.00 | 47.500 | 8.16 | 1.000< |
| 80 10 28 1330 | | | .3 | 1 | 47.7 | 462.8 | 690.0 | 45.00 | 40.500 | 8.05 | 1.000< |
| 80 11 24 1500 | | | .3 | 1 | 13.3 | 463.0 | 738.0 | 8.30 | 49.500 | 8.06 | 1.000< |
| MAXIMUM | | | | | 262.0 | 468.0 | 738.0 | 220.00 | 49.500 | 8.21 | 1.500 |
| ARITH MEAN | | | | | 51.6 | 422.8 | 637.0 | 40.94 | 41.833 | 8.06 | 1.056L |
| GEOM MEAN | | | | | 30.5 | 420.5 | 633.6 | 20.52 | 41.360 | 8.06 | 1.046L |
| MINIMUM | | | | | 13.3 | 352.0 | 505.0 | 6.20 | 30.500 | 7.86 | 1.000< |
| STD DEV | | | | | 79.6 | 46.7 | 69.0 | 68.23 | 6.388 | 0.10 | 0.167L |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

B O W / SITE **DODD CREEK**
SAMPLE POINT **AT HIGHWAY 3 ST THOMAS**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ERIE**
TERM STREAM **KETTLE CREEK**

STATION ID **16-0087-013-02**
STORET CODE **02**
**003**
**1980**

LAT LONG U T M **17 0482200.0 4736850.0 4** REGION **01** DISTANCE **22.530**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 27 1330 | | | .3 | 1 51943 | 4 | 21000 | 38000 | 100< | 100< | 4< | 2.0 | 5.5 | 1.4 |
| 80 03 31 0900 | | | .3 | 1 31800 | | 6300C | 38000 | 700I | 300 | 4< | 5.0 | 10.0 | 1.4 |
| 80 04 29 0900 | | | .3 | 1 31813 | | 1400 | 12400 | 560 | 80I | 4 | 10.0 | 11.0 | 2.8 |
| 80 05 29 0900 | | | .3 | 1 31826 | | 900C | 58000 | 230 | 216 | 4< | 12.0 | 7.0 | 0.6 |
| 80 06 26 0900 | | | .3 | 1 31838 | | 2400C | 52000 | 1090 | 230 | 4< | 20.0 | 7.5 | 1.8 |
| 80 07 23 0900 | | | .3 | 1 31850 | | 45000 | 240000 | 1500> | 1500> | 136 | 20.0 | 7.5 | 1.8 |
| 80 08 27 0900 | | | .3 | 1 31862 | | | | | | | 22.0 | 8.0 | 0.4 |
| 80 09 30 0900 | | | .3 | 1 31874 | | 800C | 32000 | 200I | 100< | 4< | 12.0 | 9.0 | 1.4 |
| 80 10 28 1430 | | | .3 | 1 31886 | | 2000 | 12600 | 170 | 210 | 4< | 5.0 | 8.5 | 1.6 |
| 80 11 24 1025 | | | .3 | 1 31998 | 6 | 100I | 1500 | 20I | 10< | 4< | 3.0 | 7.0 | 1.4 |
| MAXIMUM | | | | | | 45000 | 240000 | 1500> | 1500> | 136 | 22.0 | 11.0 | 2.8 |
| ARITH MEAN | | | | | | 8878 | 53833 | 5068 | 3058 | 19L | 11.1 | 8.1 | 1.5 |
| GEOM MEAN | | | | | | 2423 | 27083 | 2788 | 1508 | 6L | 8.5 | 8.0 | 1.3 |
| MINIMUM | | | | | | 100 | 1500 | 20< | 10< | 4< | 2.0 | 5.5 | 0.4 |
| STD DEV | | | | | | 15040 | 72295 | 507B | 457B | 44L | 7.5 | 1.6 | 0.7 |
| NO OF SAMPLES | | | | | | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 10 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 27 1330 | | | .3 | 1 | 0.071 | 0.044 | 0.060 | 0.580 | 0.019 | 6.430 | 6.509 | 0.520 | 7.029 | 486.0 |
| 80 03 31 0900 | | | .3 | 1 | 0.216 | 0.041 | 0.005 | 1.100 | 0.023 | 5.600 | 5.628 | 1.095 | 6.723 | 482.0 |
| 80 04 29 0900 | | | .3 | 1 | 0.124 | 0.038 | 0.040 | 0.940 | 0.022 | 2.130 | 2.192 | 0.900 | 3.092 | 408.0 |
| 80 05 29 0900 | | | .3 | 1 | 0.086 | 0.008 | 0.010 | 0.810 | 0.024 | 1.090 | 1.124 | 0.800 | 1.924 | 452.0 |
| 80 06 26 0900 | | | .3 | 1 | 0.145 | 0.043 | 0.035 | 0.850 | 0.030 | 3.600 | 3.665 | 0.815 | 4.480 | 474.0 |
| 80 07 23 0900 | | | .3 | 1 | 0.565 | 0.163 | 0.115 | 2.200 | 0.114 | 6.600 | 6.829 | 2.085 | 8.914 | 668.4 |
| 80 08 27 0900 | | | .3 | 1 | 0.135 | 0.048 | 0.045 | 0.700 | 0.007 | 0.200 | 0.252 | 0.655 | 0.907 | 487.4 |
| 80 09 30 0900 | | | .3 | 1 | 0.168 | 0.100 | 0.020 | 0.840 | 0.011 | 2.390 | 2.421 | 0.820 | 3.241 | 515.6 |
| 80 10 28 1430 | | | .3 | 1 | 0.114 | 0.058 | 0.005 | 1.080 | 0.017 | 5.530 | 5.552 | 1.075 | 6.627 | 536.0 |
| 80 11 24 1025 | | | .3 | 1 | 0.113 | 0.079 | 0.015 | 0.520 | 0.005 | 1.900 | 1.920 | 0.505 | 2.425 | 503.4 |
| MAXIMUM | | | | | 0.565 | 0.163 | 0.115 | 2.200 | 0.114 | 6.600 | 6.829 | 2.085 | 8.914 | 668.4 |
| ARITH MEAN | | | | | 0.174 | 0.062 | 0.035 | 0.962 | 0.027 | 3.547 | 3.609 | 0.927 | 4.536 | 501.3 |
| GEOM MEAN | | | | | 0.144 | 0.049 | 0.022 | 0.887 | 0.019 | 2.511 | 2.610 | 0.853 | 3.736 | 497.5 |
| MINIMUM | | | | | 0.071 | 0.008 | 0.005 | 0.520 | 0.005 | 0.200 | 0.252 | 0.505 | 0.907 | 408.0 |
| STD DEV | | | | | 0.143 | 0.043 | 0.034 | 0.475 | 0.032 | 2.335 | 2.365 | 0.453 | 2.641 | 68.3 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | PHNOL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PHENOLS UNF-REAC UG/L PHENOL |
| 80 01 27 1330 | | | .3 | 1 | 10.5 | 475.5 | 750.0 | 8.20 | 36.000 | 8.04 | |
| 80 03 31 0900 | | | .3 | 1 | 121.0 | 361.0 | 530.0 | 87.00 | 29.000 | 7.99 | 1.000< |
| 80 04 29 0900 | | | .3 | 1 | 33.5 | 374.5 | 535.0 | 20.00 | 37.500 | 7.96 | 1.000< |
| 80 05 29 0900 | | | .3 | 1 | 31.5 | 420.5 | 650.0 | 23.00 | 40.500 | 7.99 | 1.000< |
| 80 06 26 0900 | | | .3 | 1 | 21.0 | 453.0 | 660.0 | 78.00 | 42.500 | 8.08 | 1.000< |
| 80 07 23 0900 | | | .3 | 1 | 239.2 | 429.2 | 500.0 | 280.00 | 42.500 | 7.90 | 1.000< |
| 80 08 27 0900 | | | .3 | 1 | 49.1 | 438.3 | 650.0 | 44.00 | 25.500 | 8.05 | 1.000< |
| 80 09 30 0900 | | | .3 | 1 | 40.3 | 475.3 | 740.0 | 40.00 | 60.000 | 8.05 | |
| 80 10 28 1430 | | | .3 | 1 | 12.8 | 523.2 | 790.0 | 15.00 | 53.500 | 8.11 | |
| 80 11 24 1025 | | | .3 | 1 | 5.9 | 497.5 | 790.0 | 4.50 | 53.500 | 8.13 | 1.000< |
| MAXIMUM | | | | | 239.2 | 523.2 | 790.0 | 280.00 | 60.000 | 8.13 | 1.000 |
| ARITH MEAN | | | | | 56.5 | 444.8 | 659.5 | 59.97 | 42.050 | 8.03 | 1.000L |
| GEOM MEAN | | | | | 31.6 | 442.1 | 651.1 | 31.12 | 40.723 | 8.03 | 1.000L |
| MINIMUM | | | | | 5.9 | 361.0 | 500.0 | 4.50 | 25.500 | 7.90 | 1.000< |
| STD DEV | | | | | 72.2 | 51.3 | 108.8 | 82.24 | 10.999 | 0.07 | 0.000L |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 7 |

B O W / SITE: **KETTLE CREEK**
SAMPLE POINT: **AT COUNTY ROAD NO 31 NORTH OF ST THOMAS**
STATION TYPE: **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ERIE**
TERM STREAM **KETTLE CREEK**

STATION ID **16-0087-015-02**
STORET CODE: **02**
**003**
**1980**

LAT LONG U T M **17 0486000.0 4739700.0 4** REGION **01** DISTANCE: **29.933**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 27 1550 | | | .3 | 1 51945 | 4 | 116000 | 57000 | 100I | 300I | 4< | 3.0 | 6.0 | 1.2 |
| 80 03 31 0930 | | | .3 | 1 31802 | | 1900 | 28000 | 800I | 900I | 4< | 5.0 | 13.0 | 2.4 |
| 80 04 29 0940 | | | .3 | 1 31815 | | | | | | | 9.0 | 12.0 | 2.2 |
| 80 05 29 0935 | | | .3 | 1 31828 | | 110C | 3380 | 16 | 4 | 4< | 13.0 | 10.0 | 0.7 |
| 80 06 26 0940 | | | .3 | 1 31840 | | 90C | 5500 | 20 | 4 | 4< | 18.0 | 11.0 | 4.0 |
| 80 07 23 0940 | | | .3 | 1 31852 | | 39000 | 64000 | | 600> | 76 | 21.0 | 7.5 | 0.4 |
| 80 08 27 0935 | | | .3 | 1 31864 | | | | | | | 24.0 | 7.0 | 1.6 |
| 80 09 30 0940 | | | .3 | 1 31876 | | 300I | 7700 | 90I | 40I | 4< | 13.0 | 7.0 | 1.5 |
| 80 10 28 1450 | | | .3 | 1 31888 | | 7400 | 21800 | 410 | 1060 | 12 | 6.0 | 7.5 | 1.1 |
| 80 11 24 1055 | | | .3 | 1 32000 | 6 | 200I | 100 | 10I | 10I | 4< | 3.0 | 6.0 | 0.6 |
| MAXIMUM | | | | | | 116000 | 64000 | 800 | 1060> | 76 | 24.0 | 13.0 | 4.0 |
| ARITH MEAN | | | | | | 20625 | 23435 | 207 | 365G | 14L | 11.5 | 8.7 | 1.6 |
| GEOM MEAN | | | | | | 1676 | 8668 | 71 | 78G | 7L | 9.1 | 8.4 | 1.3 |
| MINIMUM | | | | | | 90 | 100 | 10 | 4 | 4< | 3.0 | 6.0 | 0.4 |
| STD DEV | | | | | | 40765 | 24818 | 297 | 434G | 25L | 7.6 | 2.6 | 1.1 |
| NO OF SAMPLES | | | | | | 8 | 8 | 7 | 8 | 8 | 10 | 10 | 10 |

(CONTD)

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 27 1550 | | | .3 | 1 | 0.074 | 0.011 | 0.145 | 0.780 | 0.024 | 5.630 | 5.799 | 0.635 | 6.434 | 418.0 |
| 80 03 31 0930 | | | .3 | 1 | 0.520 | 0.054 | 0.090 | 1.700 | 0.033 | 5.700 | 5.823 | 1.610 | 7.433 | 654.0 |
| 80 04 29 0940 | | | .3 | 1 | 0.066 | 0.003 | 0.080 | 0.720 | 0.016 | 1.860 | 1.956 | 0.640 | 2.596 | 342.0 |
| 80 05 29 0935 | | | .3 | 1 | 0.070 | 0.002 | 0.090 | 0.920 | 0.041 | 1.870 | 2.001 | 0.830 | 2.831 | 402.0 |
| 80 06 26 0940 | | | .3 | 1 | 0.090 | 0.003 | 0.110 | 1.150 | 0.056 | 1.500 | 1.666 | 1.040 | 2.706 | 216.0 |
| 80 07 23 0940 | | | .3 | 1 | 0.445 | 0.129 | 0.095 | 1.650 | 0.094 | 6.100 | 6.289 | 1.555 | 7.844 | 507.3 |
| 80 08 27 0935 | | | .3 | 1 | 0.078 | 0.010 | 0.110 | 0.920 | 0.028 | 0.320 | 0.458 | 0.810 | 1.268 | 329.6 |
| 80 09 30 0940 | | | .3 | 1 | 0.088 | 0.027 | 0.125 | 0.920 | 0.035 | 1.710 | 1.870 | 0.795 | 2.665 | 265.1 |
| 80 10 28 1450 | | | .3 | 1 | 0.098 | 0.052 | 0.035 | 0.720 | 0.025 | 7.800 | 7.860 | 0.685 | 8.545 | 476.8 |
| 80 11 24 1055 | | | .3 | 1 | 0.098 | 0.069 | 0.040 | 0.580 | 0.010 | 2.200 | 2.250 | 0.540 | 2.790 | 431.5 |
| MAXIMUM | | | | | 0.520 | 0.129 | 0.145 | 1.700 | 0.094 | 7.800 | 7.860 | 1.610 | 8.545 | 654.0 |
| ARITH MEAN | | | | | 0.163 | 0.036 | 0.092 | 1.006 | 0.036 | 3.469 | 3.597 | 0.914 | 4.511 | 404.2 |
| GEOM MEAN | | | | | 0.117 | 0.016 | 0.086 | 0.948 | 0.030 | 2.501 | 2.705 | 0.866 | 3.783 | 386.3 |
| MINIMUM | | | | | 0.066 | 0.002 | 0.035 | 0.580 | 0.010 | 0.320 | 0.458 | 0.540 | 1.268 | 216.0 |
| STD DEV | | | | | 0.170 | 0.041 | 0.034 | 0.386 | 0.024 | 2.560 | 2.567 | 0.378 | 2.713 | 128.2 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | PHNOL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PHENOLS UNF-REAC UG/L PHENOL |
| 80 01 27 1550 | | | .3 | 1 | 10.5 | 407.5 | 645.0 | 10.00 | 25.500 | 7.95 | |
| 80 03 31 0930 | | | .3 | 1 | 3210.0 | 333.0 | 487.0 | 230.00 | 20.000 | 8.02 | 1.000< |
| 80 04 29 0940 | | | .3 | 1 | 20.0 | 320.0 | 530.0 | 19.00 | 19.500 | 8.12 | 1.000 |
| 80 05 29 0935 | | | .3 | 1 | 34.5 | 367.5 | 550.0 | 16.00 | 26.000 | 8.33 | 1.000< |
| 80 06 26 0940 | | | .3 | 1 | 18.0 | 256.000 | 394.0 | 13.00 | 21.000 | 8.33 | 1.000< |
| 80 07 23 0940 | | | .3 | 1 | 123.7 | 383.6 | 400.0 | 200.00 | 21.500 | 7.95 | |
| 80 08 27 0935 | | | .3 | 1 | 23.8 | 305.8 | 425.0 | 17.00 | 18.500 | 8.25 | 1.000< |
| 80 09 30 0940 | | | .3 | 1 | 15.6 | 249.5 | 610.0 | 17.00 | 27.500 | 8.22 | 1.000< |
| 80 10 28 1450 | | | .3 | 1 | 20.9 | 455.9 | 695.0 | 19.00 | 30.000 | 8.12 | 1.000< |
| 80 11 24 1055 | | | .3 | 1 | 8.8 | 422.7 | 640.0 | 6.00 | 26.000 | 8.10 | 1.000< |
| MAXIMUM | | | | | 3210.0 | 455.9 | 695.0 | 230.00 | 30.000 | 8.33 | 1.000 |
| ARITH MEAN | | | | | 348.6 | 350.1 | 537.6 | 54.70 | 23.550 | 8.14 | 1.000L |
| GEOM MEAN | | | | | 35.9 | 343.7 | 527.4 | 23.86 | 23.259 | 8.14 | 1.000L |
| MINIMUM | | | | | 8.8 | 249.5 | 394.0 | 6.00 | 18.500 | 7.95 | 1.000< |
| STD DEV | | | | | 1006.0 | 69.3 | 109.1 | 84.88 | 3.919 | 0.14 | 0.000L |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 8 |

B.O.W / SITE: **CATFISH CREEK**
SAMPLE POINT: **AT CONC ROAD 2 MILES EAST OF SPARTA**
STATION TYPE: **RIVER FLOW GAUGE FED 02GC018**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **CATFISH CREEK**

STATION ID: **16-0097-003-02**
STORET CODE: **02**
**003**
**1570**

LAT: LONG: U T M: **17 0496250.0 4727550.0 4** REGION: **01** DISTANCE: **5.150**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 01 28 1020 | | | .3 | 1 | 51949 | 4 | 0.680 | | | | | | 3.0 | 6.0 |
| 80 03 11 1015 | | | .3 | 1 | 30531 | 6 | 4.380 | | | | | | 0.0 | |
| 80 03 31 1135 | | | .3 | 1 | 31807 | | 15.300 | 8900C | 25000 | 1100 | 3900 | | 5.0 | 7.5 |
| 80 04 16 1025 | | | .3 | 1 | 30550 | 6 | 15.200 | | | | | | 3.0 | 13.0 |
| 80 04 29 1150 | | | .3 | 1 | 31820 | | 2.570 | | | | | | 9.0 | 10.0 |
| 80 05 29 1135 | | | .3 | 1 | 31832 | | 0.521 | 500I | 11400 | 556 | 24 | 4< | 15.0 | 8.0 |
| 80 06 26 1130 | | | .3 | 1 | 31844 | | 0.363 | 1900C | 35000 | 268 | 88 | 4< | 16.0 | 8.0 |
| 80 07 23 1200 | | | .3 | 1 | 31856 | | 6.680 | 77000C | 340000 | 25000> | 10200 | 200C | 21.0 | 7.5 |
| 80 08 27 1120 | | | .3 | 1 | 31868 | | 0.263 | | | | | | 24.0 | 5.0 |
| 80 09 30 1140 | | | .3 | 1 | 31880 | | 0.801 | | | | | | 17.0 | 8.0 |
| 80 10 28 1230 | | | .3 | 1 | 31892 | | 4.760 | | | | | | 6.0 | |
| 80 11 24 1255 | | | .3 | 1 | 32004 | 6 | 0.648 | 100I | 1500 | 90I | 10I | 4< | 3.0 | 12.0 |
| MAXIMUM | | | | | | | 15.300 | 77000 | 340000 | 25000> | 10200 | 200 | 24.0 | 13.0 |
| ARITH MEAN | | | | | | | 4.347 | 17680 | 82580 | 5403G | 2844 | 53L | 10.2 | 8.5 |
| GEOM MEAN | | | | | | | 1.835 | 2305 | 21943 | 819G | 243 | 11L | 7.0 | 8.2 |
| MINIMUM | | | | | | | 0.263 | 100 | 1500 | 90 | 10 | 4< | 0.0 | 5.0 |
| STD DEV | | | | | | | 5.506 | 33351 | 144469 | 10962G | 4439 | 98L | 8.1 | 2.5 |
| NO OF SAMPLES | | | | | | | 12 | 5 | 5 | 5 | 5 | 4 | 12 | 10 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNTKUR | NNO2FR | NNO3FR | NNKI | RSP | RSF | ALKT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | ALK TOTAL MG/L AS CACO3 | PH |
| 80 01 28 1020 | | | .3 | 1 | 0.121 | 0.114 | | | | | 1.00 | 402.00 | 238.0 | 8.09 |
| 80 03 11 1015 | | | .3 | 1 | 0.320 | 0.205 | 1.780 | 0.046 | 23.400 | 25.226 | 33.00 | 419.00 | 160.0 | 7.88 |
| 80 03 31 1135 | | | .3 | 1 | 1.150 | 0.073 | | | | | 793.00 | 306.00 | 151.0 | 8.00 |
| 80 04 16 1025 | | | .3 | 1 | 0.480 | 0.104 | 1.400 | 0.033 | 4.900 | 6.333 | 191.00 | 332.00 | 155.0 | 7.94 |
| 80 04 29 1150 | | | .3 | 1 | 0.080 | 0.011 | | | | | 29.00 | 350.00 | 205.0 | 8.22 |
| 80 05 29 1135 | | | .3 | 1 | 0.061 | 0.017 | | | | | 10.50 | 354.00 | 213.0 | 8.29 |
| 80 06 26 1130 | | | .3 | 1 | 0.094 | 0.033 | | | | | 33.00 | 285.00 | 219.0 | 8.26 |
| 80 07 23 1200 | | | .3 | 1 | 0.935 | 0.250 | | | | | 508.80 | 311.00 | 133.0 | 7.98 |
| 80 08 27 1120 | | | .3 | 1 | 0.118 | 0.004 | | | | | 47.50 | 401.40 | 212.0 | 8.36 |
| 80 09 30 1140 | | | .3 | 1 | 0.102 | 0.050 | | | | | 26.60 | 425.40 | 252.0 | 8.29 |
| 80 10 28 1230 | | | .3 | 1 | 0.140 | 0.072 | | | | | 29.50 | 423.60 | 248.0 | 8.14 |
| 80 11 24 1255 | | | .3 | 1 | 0.028 | 0.004 | | | | | 9.80 | 395.40 | 238.0 | 8.25 |
| MAXIMUM | | | | | 1.150 | 0.250 | 1.780 | 0.046 | 23.400 | 25.226 | 793.00 | 425.40 | 252.0 | 8.36 |
| ARITH MEAN | | | | | 0.302 | 0.078 | 1.590 | 0.039 | 14.150 | 15.779 | 142.72 | 367.07 | 202.0 | 8.14 |
| GEOM MEAN | | | | | 0.166 | 0.040 | 1.579 | 0.039 | 10.708 | 12.639 | 36.09 | 363.80 | 197.7 | 8.14 |
| MINIMUM | | | | | 0.028 | 0.004 | 1.400 | 0.033 | 4.900 | 6.333 | 1.00 | 285.00 | 133.0 | 7.88 |
| STD DEV | | | | | 0.371 | 0.080 | 0.269 | 0.009 | 13.061 | 13.359 | 249.88 | 50.27 | 41.8 | 0.16 |
| NO OF SAMPLES | | | | | 12 | 12 | 2 | 2 | 2 | 2 | 12 | 12 | 12 | 12 |

(CONTD)

B O W / SITE **CATFISH CREEK**
SAMPLE POINT **AT CONC ROAD 2 MILES EAST OF SPARTA**
STATION TYPE **RIVER FLOW GAUGE FED 02GC018**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **CATFISH CREEK**

STATION ID: **16-0097-003-02**
STORET CODE: **02**
**003**
**1570**

LAT: LONG: U T M: **17 0496250.0 4727550.0 4** REGION: **01** DISTANCE: **5.150**

| TEST-NAME: | | | | | FWPH | PHNOL | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT | P1PCBT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | PCB TOTAL UG/L |
| 80 01 28 1020 | | | .3 | 1 | | | 0.001< | | 0.030 | 0.030 | 0.030< | 0.005 < | 0.030 | |
| 80 03 11 1015 | | | .3 | 1 | 7.6 | | | 0.030 | 0.020 | 0.010< | 0.030< | 0.005 < | 0.060 | 0.020R |
| 80 03 31 1135 | | | .3 | 1 | | 1.000< | | | | | | | | 0.050 |
| 80 04 16 1025 | | | .3 | 1 | | | | 0.040 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.230 | 0.020R |
| 80 04 29 1150 | | | .3 | 1 | | | 0.002 | | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 05 29 1135 | | | .3 | 1 | | 1.000< | 0.001< | | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 06 26 1130 | | | .3 | 1 | | | | | 0.020< | 0.020 | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 07 23 1200 | | | .3 | 1 | | | | | 0.040 | 0.030 | 0.020 | 0.010 | 0.110 | 0.020R |
| 80 08 27 1120 | | | .3 | 1 | | | 0.001 | | 0.004 | 0.002 | 0.003< | 0.001 < | 0.001< | 0.020R |
| 80 09 30 1140 | | | .3 | 1 | | | 0.001 | | 0.002< | 0.004 | 0.003< | 0.0002< | 0.012 | |
| 80 10 28 1230 | | | .3 | 1 | | | | | 0.100< | 0.009 | 0.006 | 0.0002< | 0.030< | 0.020R |
| 80 11 24 1255 | | | .3 | 1 | | | | | 0.100< | 0.010 | 0.005< | 0.0003 | 0.030< | |
| **MAXIMUM** | | | | | **7.6** | **1.000** | **0.002** | **0.040** | **0.100** | **0.030** | **0.030** | **0.010** | **0.230** | |
| **ARITH MEAN** | | | | | **7.6** | **1.000L** | **0.001L** | **0.035** | **0.034L** | **0.013L** | **0.020L** | **0.003 L** | **0.048L** | |
| **GEOM MEAN** | | | | | | **1.000L** | **0.001L** | **0.035** | **0.021L** | **0.010L** | **0.014L** | **0.002 L** | **0.022L** | |
| **MINIMUM** | | | | | **7.6** | **1.000<** | **0.001<** | **0.030** | **0.002<** | **0.002<** | **0.003<** | **0.0002<** | **0.001<** | |
| **STD DEV** | | | | | | **0.000L** | **0.000L** | **0.007** | **0.034L** | **0.009L** | **0.013L** | **0.003 L** | **0.068L** | |
| **NO OF SAMPLES** | | | | | **1** | **2** | **5** | **2** | **11** | **11** | **11** | **11** | **11** | |

B O W / SITE **CATFISH CREEK**
SAMPLE POINT **AT HIGHWAY NO 3 WEST OF ORWELL**
STATION TYPE **RIVER FLOW GAUGE MOE 02GC110**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **CATFISH CREEK**

STATION ID: **16-0097-005-02**
STORET CODE: **02**
**003**
**1570**

LAT: LONG: U T M: **17 0496475.0 4735675.0 4** REGION: **01** DISTANCE: **24.944**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 28 1100 | | | .3 | 1 | 51947 | 4 | 28000 | 34000 | 5600 | 2600 | 4< | 3.0 | 6.5 | 2.6 |
| 80 03 31 1010 | | | .3 | 1 | 31805 | | 12200C | 21000 | 1400 | 8500 | | 5.0 | 7.0 | 3.2 |
| 80 04 29 1050 | | | .3 | 1 | 31818 | | | | | | | 10.0 | 6.5 | 3.2 |
| 80 05 29 1030 | | | .3 | 1 | 31830 | | 3300C | 68000 | 4< | 76 | 4< | 12.0 | 7.0 | 2.2 |
| 80 06 26 1020 | | | .3 | 1 | 31842 | | 1500 | 27000 | 312 | 68 | 4< | 24.0 | 8.0 | 1.5 |
| 80 07 23 1025 | | | .3 | 1 | 31854 | | | | | | | 21.5 | 7.5 | 2.2 |
| 80 08 27 1020 | | | .3 | 1 | 31866 | | | | | | | 23.0 | 5.0 | 2.0 |
| 80 09 30 1030 | | | .3 | 1 | 31878 | | 15000 | 160000 | 620 | 350 | 4< | 16.0 | 4.0 | 2.0 |
| 80 10 28 1135 | | | .3 | 1 | 31890 | | 31000 | 134000 | 630 | 1500> | 20 | 6.0 | 4.5 | 2.1 |
| 80 11 24 1145 | | | .3 | 1 | 32002 | 6 | 1900 | 3800 | 240 | 800I | 4< | 3.0 | 7.0 | 1.3 |
| **MAXIMUM** | | | | | | | **31000** | **160000** | **5600** | **8500>** | **20** | **24.0** | **8.0** | **3.2** |
| **ARITH MEAN** | | | | | | | **13271** | **63971** | **1258L** | **1985G** | **7L** | **12.3** | **6.3** | **2.2** |
| **GEOM MEAN** | | | | | | | **7622** | **37628** | **368L** | **648G** | **5L** | **9.5** | **6.2** | **2.2** |
| **MINIMUM** | | | | | | | **1500** | **3800** | **4<** | **68** | **4<** | **3.0** | **4.0** | **1.3** |
| **STD DEV** | | | | | | | **12266** | **60379** | **1965L** | **3013G** | **7L** | **8.3** | **1.3** | **0.6** |
| **NO OF SAMPLES** | | | | | | | **7** | **7** | **7** | **7** | **6** | **10** | **10** | **10** |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 28 1100 | | | .3 | 1 | 0.415 | 0.310 | 0.545 | 1.270 | 0.035 | 4.810 | 5.390 | 0.725 | 6.115 | 470.0 |
| 80 03 31 1010 | | | .3 | 1 | 0.625 | 0.126 | 0.165 | 2.200 | 0.057 | 5.200 | 5.422 | 2.035 | 7.457 | 610.0 |
| 80 04 29 1050 | | | .3 | 1 | 0.214 | 0.142 | 0.045 | 0.900 | 0.034 | 3.070 | 3.149 | 0.855 | 4.004 | 396.0 |
| 80 05 29 1030 | | | .3 | 1 | 0.198 | 0.115 | 0.160 | 0.900 | 0.187 | 2.700 | 3.047 | 0.740 | 3.787 | 438.0 |
| 80 06 26 1020 | | | .3 | 1 | 0.141 | 0.080 | 0.050 | 0.850 | 0.121 | 2.900 | 3.071 | 0.800 | 3.871 | 386.0 |
| 80 07 23 1025 | | | .3 | 1 | 0.595 | 0.137 | 0.095 | 2.250 | 0.144 | 7.800 | 8.039 | 2.155 | 10.194 | 627.6 |
| 80 08 27 1020 | | | .3 | 1 | 0.320 | 0.215 | 0.095 | 1.280 | 0.066 | 1.660 | 1.821 | 1.185 | 3.006 | 517.2 |
| 80 09 30 1030 | | | .3 | 1 | 0.268 | 0.107 | 0.035 | 1.240 | 0.065 | 4.500 | 4.600 | 1.205 | 5.805 | 511.2 |
| 80 10 28 1135 | | | .3 | 1 | 0.134 | 0.074 | 0.080 | 0.880 | 0.042 | 6.410 | 6.532 | 0.800 | 7.332 | 459.4 |
| 80 11 24 1145 | | | .3 | 1 | 0.042 | 0.010 | 0.005 | 0.640 | 0.026 | 3.400 | 3.431 | 0.635 | 4.066 | 434.9 |
| **MAXIMUM** | | | | | **0.625** | **0.310** | **0.545** | **2.250** | **0.187** | **7.800** | **8.039** | **2.155** | **10.194** | **627.6** |
| **ARITH MEAN** | | | | | **0.295** | **0.132** | **0.127** | **1.241** | **0.078** | **4.245** | **4.450** | **1.113** | **5.564** | **485.0** |
| **GEOM MEAN** | | | | | **0.232** | **0.102** | **0.073** | **1.145** | **0.063** | **3.875** | **4.087** | **1.016** | **5.191** | **479.0** |
| **MINIMUM** | | | | | **0.042** | **0.010** | **0.005** | **0.640** | **0.026** | **1.660** | **1.821** | **0.635** | **3.006** | **386.0** |
| **STD DEV** | | | | | **0.196** | **0.082** | **0.155** | **0.559** | **0.054** | **1.874** | **1.903** | **0.551** | **2.255** | **82.3** |
| **NO OF SAMPLES** | | | | | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 28 1100 | | | .3 | 1 | 4.0 | 466.0 | 730.0 | 6.50 | 42.500 | 8.02 |
| 80 03 31 1010 | | | .3 | 1 | 236.0 | 374.0 | 520.0 | 200.00 | 28.000 | 7.82 |
| 80 04 29 1050 | | | .3 | 1 | 13.0 | 383.0 | 600.0 | 19.00 | 31.500 | 8.10 |
| 80 05 29 1030 | | | .3 | 1 | 21.5 | 416.5 | 630.0 | 32.00 | 30.500 | 8.11 |
| 80 06 26 1020 | | | .3 | 1 | 30.0 | 356.0 | 640.0 | 13.00 | 28.500 | 8.11 |
| 80 07 23 1025 | | | .3 | 1 | 230.8 | 396.8 | 448.0 | 230.00 | 20.500 | 7.82 |
| 80 08 27 1020 | | | .3 | 1 | 38.6 | 478.6 | 670.0 | 18.00 | 39.500 | 8.09 |
| 80 09 30 1030 | | | .3 | 1 | 33.5 | 477.7 | 710.0 | 22.00 | 26.500 | 8.11 |
| 80 10 28 1135 | | | .3 | 1 | 17.2 | 442.2 | 680.0 | 15.00 | 29.500 | 7.99 |
| 80 11 24 1145 | | | .3 | 1 | 5.5 | 429.4 | 670.0 | 2.50 | 27.500 | 8.21 |
| **MAXIMUM** | | | | | **236.0** | **478.6** | **730.0** | **230.00** | **42.500** | **8.21** |
| **ARITH MEAN** | | | | | **63.0** | **422.0** | **629.8** | **55.80** | **30.450** | **8.04** |
| **GEOM MEAN** | | | | | **27.2** | **419.9** | **623.8** | **22.62** | **29.880** | **8.04** |
| **MINIMUM** | | | | | **4.0** | **356.0** | **448.0** | **2.50** | **20.500** | **7.82** |
| **STD DEV** | | | | | **90.5** | **44.2** | **87.1** | **84.59** | **6.344** | **0.13** |
| **NO OF SAMPLES** | | | | | **10** | **10** | **10** | **10** | **10** | **10** |

B.O.W./ SITE: **CATFISH CREEK**
SAMPLE POINT: **AT ELGIN COUNTY ROAD NO 40 GLENCOLIN**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **CATFISH CREEK**

STATION ID: **16-0097-006-02**
STORET CODE: **02**
**003**
**1570**

LAT: LONG: U T M: **17 0505600.0 4737600.0 4** REGION: **01** DISTANCE: **34.761**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 27 1500 | | | .3 | 1 | 51948 | 4 | 17000 | 45000 | 820 | 100< | 4< | 3.0 | 3.0 | 0.6 |
| 80 03 31 1100 | | | .3 | 1 | 31806 | | 10300C | 55000 | 1230 | 1500> | | 4.0 | 7.5 | |
| 80 04 29 1100 | | | .3 | 1 | 31819 | | | | | | | 8.0 | 7.0 | 2.0 |
| 80 05 29 1050 | | | .3 | 1 | 31831 | | | | 600> | 312 | 4 | 15.0 | 6.0 | 1.4 |
| 80 07 23 1100 | | | .3 | 1 | 31855 | | | | | | | 23.0 | 5.0 | 1.2 |
| 80 08 26 1040 | | | .3 | 1 | 31843 | | 6700C | 27000 | 1700 | 248 | 8 | 22.0 | 7.0 | 1.4 |
| 80 08 27 1050 | | | .3 | 1 | 31867 | | | | | | | 21.0 | 6.0 | 1.0 |
| 80 09 30 1055 | | | .3 | 1 | 31879 | | 17000 | 100000 | 2500 | 230 | 4< | 16.0 | 6.5 | 0.9 |
| 80 10 28 1140 | | | .3 | 1 | 31891 | | 12000C | 25000 | 760 | 1500> | 12 | 7.0 | 8.0 | 0.8 |
| 80 11 24 1220 | | | .3 | 1 | 32003 | 6 | 5400 | 10100 | 450 | 180 | 4< | 3.0 | 6.0 | 0.6 |
| MAXIMUM | | | | | | | 17000 | 100000 | 2500> | 1500> | 12 | 23.0 | 8.0 | 2.0 |
| ARITH MEAN | | | | | | | 11400 | 43683 | 1151G | 581B | 6L | 12.2 | 6.2 | 1.1 |
| GEOM MEAN | | | | | | | 10437 | 34604 | 982G | 358B | 5L | 9.4 | 6.0 | 1.0 |
| MINIMUM | | | | | | | 5400 | 10100 | 450 | 100< | 4< | 3.0 | 3.0 | 0.6 |
| STD DEV | | | | | | | 4947 | 31801 | 729G | 631B | 3L | 8.1 | 1.4 | 0.6 |
| NO OF SAMPLES | | | | | | | 6 | 6 | 7 | 7 | 6 | 10 | 10 | 9 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 27 1500 | | | .3 | 1 | 0.083 | 0.036 | 0.145 | 0.670 | 0.027 | 5.270 | 5.442 | 0.525 | 5.967 | 432.0 |
| 80 04 29 1100 | | | .3 | 1 | 0.067 | 0.017 | 0.165 | 0.890 | 0.040 | 3.860 | 4.065 | 0.725 | 4.790 | 398.0 |
| 80 05 29 1050 | | | .3 | 1 | 0.097 | 0.025 | 0.130 | 0.730 | 0.097 | 2.900 | 3.127 | 0.600 | 3.727 | 440.0 |
| 80 07 23 1100 | | | .3 | 1 | 0.372 | 0.117 | 0.095 | 1.680 | 0.142 | 8.800 | 9.037 | 1.585 | 10.622 | 545.5 |
| 80 08 26 1040 | | | .3 | 1 | 0.174 | 0.036 | 0.105 | 1.020 | 0.093 | 3.000 | 3.198 | 0.915 | 4.113 | 446.0 |
| 80 08 27 1050 | | | .3 | 1 | 0.112 | 0.028 | 0.075 | 0.920 | 0.081 | 1.780 | 1.936 | 0.845 | 2.781 | 519.0 |
| 80 09 30 1055 | | | .3 | 1 | 0.085 | 0.035 | 0.055 | 0.790 | 0.072 | 4.700 | 4.827 | 0.735 | 5.562 | 497.2 |
| 80 10 28 1140 | | | .3 | 1 | 0.088 | 0.047 | 0.055 | 0.780 | 0.032 | 7.420 | 7.507 | 0.725 | 8.232 | 467.5 |
| 80 11 24 1220 | | | .3 | 1 | 0.054 | 0.024 | 0.040 | 0.760 | 0.036 | 3.800 | 3.876 | 0.720 | 4.596 | 453.4 |
| MAXIMUM | | | | | 0.372 | 0.117 | 0.165 | 1.680 | 0.142 | 8.800 | 9.037 | 1.585 | 10.622 | 545.5 |
| ARITH MEAN | | | | | 0.126 | 0.041 | 0.096 | 0.916 | 0.069 | 4.614 | 4.779 | 0.819 | 5.599 | 466.5 |
| GEOM MEAN | | | | | 0.106 | 0.035 | 0.087 | 0.882 | 0.059 | 4.153 | 4.338 | 0.780 | 5.188 | 464.6 |
| MINIMUM | | | | | 0.054 | 0.017 | 0.040 | 0.670 | 0.027 | 1.780 | 1.936 | 0.525 | 2.781 | 398.0 |
| STD DEV | | | | | 0.098 | 0.030 | 0.044 | 0.306 | 0.039 | 2.254 | 2.254 | 0.309 | 2.440 | 46.3 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 27 1500 | | | .3 | 1 | 8.5 | 423.5 | 660.0 | 7.10 | 22.000 | 7.95 |
| 80 04 29 1100 | | | .3 | 1 | 15.5 | 382.5 | 605.0 | 8.40 | 22.000 | 7.87 |
| 80 05 29 1050 | | | .3 | 1 | 24.5 | 415.5 | 610.0 | 11.00 | 20.500 | 7.96 |
| 80 07 23 1100 | | | .3 | 1 | 109.4 | 436.1 | 510.0 | 140.00 | 19.500 | 7.73 |
| 80 08 26 1040 | | | .3 | 1 | 32.5 | 413.5 | 640.0 | 4.80 | 20.000 | 7.96 |
| 80 08 27 1050 | | | .3 | 1 | 33.0 | 486.0 | 640.0 | 16.00 | 17.000 | 7.93 |
| 80 09 30 1055 | | | .3 | 1 | 20.1 | 477.1 | 718.0 | 12.00 | 23.000 | 8.34 |
| 80 10 28 1140 | | | .3 | 1 | 12.7 | 454.8 | 720.0 | 10.00 | 25.500 | 7.87 |
| 80 11 24 1220 | | | .3 | 1 | 8.5 | 444.9 | 695.0 | 4.70 | 24.000 | 7.98 |
| MAXIMUM | | | | | 109.4 | 486.0 | 720.0 | 140.00 | 25.500 | 8.34 |
| ARITH MEAN | | | | | 29.4 | 437.1 | 644.2 | 23.78 | 21.500 | 7.95 |
| GEOM MEAN | | | | | 21.1 | 436.0 | 641.0 | 11.66 | 21.361 | 7.95 |
| MINIMUM | | | | | 8.5 | 382.5 | 510.0 | 4.70 | 17.000 | 7.73 |
| STD DEV | | | | | 31.4 | 32.7 | 65.9 | 43.73 | 2.562 | 0.16 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 |

B.O.W./ SITE: **CATFISH CREEK**
SAMPLE POINT: **AT COUNTY RD.10 SOUTH OF BROWNSVILLE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **CATFISH CREEK**

STATION ID: **16-0097-007-02**
STORET CODE: **02**
**003**
**1570**

LAT: LONG: U T M: **17 0513475.0 4743350.0 4** REGION: **01** DISTANCE: **40.888**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 23 0950 | | | .3 | 1 | 30507 | 6 | 640 | 2000 | 88 | 152 | 4< | 0.0 | | 0.3 |
| 80 02 20 1050 | | | .3 | 1 | 30521 | 6 | 1500 | 1900 | 468 | 396 | 4< | 5.0 | 9.9 | 1.0 |
| 80 03 17 1113 | | | .3 | 1 | 30534 | 6 3 | 14400C | 102000 | 600> | 600> | | 1.5 | 12.2 | 7.0 |
| 80 04 21 1240 | | | .3 | 1 | 30555 | 6 | 360 | 2000 | 16 | 24 | 4< | 11.2 | 14.2 | 2.2 |
| 80 05 20 1030 | | | .3 | 1 | 30569 | 6 | 3200 | 13000 | 340 | 208 | 28 | 11.0 | 10.4 | 1.0 |
| 80 06 11 1030 | | | .3 | 1 | 30605 | 6 | 8600C | 28000 | 1110 | 500 | 4< | 10.9 | 9.0 | 0.9 |
| 80 07 21 1030 | | | .3 | 1 | 30611 | 6 9 | 7100C | 27000 | 1010 | 820 | 4 | 19.5 | 7.4 | 1.6 |
| 80 08 12 1030 | | | .3 | 1 | 30635 | 6 9 | 28000 | 84000 | 1500> | 1500> | 64 | 16.8 | 7.0 | 1.3 |
| 80 09 09 1115 | | | .3 | 1 | 30650 | 6 | 2700 | 9000 | 800I | 300 | 4< | 15.0 | 8.6 | 3.2 |
| 80 10 22 1100 | | | .3 | 1 | 30656 | 6 | 14800C | 16700 | 1500> | 1500> | 4< | 8.5 | 9.6 | 2.2 |
| 80 11 18 1105 | | | .3 | 1 | 30665 | 6 | 1600 | 1500 | 240 | 100 | 4< | 4.0 | 11.4 | 0.5 |
| 80 12 10 1130 | | | .3 | 1 | 30682 | 6 3 | 2500C | 38000 | 530 | 410 | 4< | 3.5 | 11.1 | 0.6 |
| MAXIMUM | | | | | | | 28000 | 102000 | 1500> | 1500> | 64 | 19.5 | 14.2 | 7.0 |
| ARITH MEAN | | | | | | | 7117 | 27092 | 683G | 642G | 12L | 8.9 | 10.1 | 1.8 |
| GEOM MEAN | | | | | | | 3575 | 11523 | 425G | 336G | 6L | 6.5 | 9.9 | 1.3 |
| MINIMUM | | | | | | | 360 | 1500 | 16 | 24 | 4< | 0.0 | 7.0 | 0.3 |
| STD DEV | | | | | | | 8291 | 33238 | 507G | 499G | 19L | 6.2 | 2.1 | 1.8 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 11 | 12 | 11 | 12 |

(CONTD)

B O W / SITE: **CATFISH CREEK**
SAMPLE POINT: **AT COUNTY RD.10 SOUTH OF BROWNSVILLE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **CATFISH CREEK**

STATION ID: **16-0097-007-02**
STORET CODE: **02**
**003**
**1570**

LAT
LONG:
U T M: **17 0513475.0 4743350.0 4**
REGION: **01**
DISTANCE: **49.888**

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC INF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 23 0950 | | | 3 | 1 | 0.059 | 0.020 | 0.105 | 0.510 | 0.051 | 8.300 | 8.456 | 0.405 | 8.861 | 440.0 |
| 80 02 20 1050 | | | 3 | 1 | 0.053 | 0.016 | 0.105 | 0.550 | 0.040 | 3.310 | 3.455 | 0.445 | 3.900 | 446.0 |
| 80 03 17 1113 | | | 3 | 1 | 0.880 | 0.193 | 0.955 | 7.300 | 0.059 | 2.740 | 3.754 | 6.345 | 10.099 | 396.0 |
| 80 04 21 1240 | | | 3 | 1 | 0.051 | 0.019 | 0.030 | 0.500 | 0.026 | 5.500 | 5.556 | 0.470 | 6.026 | 430.0 |
| 80 05 20 1030 | | | 3 | 1 | 0.068 | 0.029 | 0.075 | 0.660 | 0.080 | 7.600 | 7.755 | 0.585 | 8.340 | 518.0 |
| 80 06 11 1030 | | | 3 | 1 | 0.075 | 0.024 | 0.085 | 0.770 | 0.054 | 8.300 | 8.439 | 0.685 | 9.124 | 472.0 |
| 80 07 21 1030 | | | 3 | 1 | 0.352 | 0.037 | 0.095 | 1.00 | 0.072 | 2.38 | 2.547 | 0.905 | 3.452 | 470 |
| 80 09 09 1115 | | | 3 | 1 | 0.220 | 0.005 | 0.070 | 2.080 | 0.041 | 2.560 | 2.671 | 2.010 | 4.681 | 469.2 |
| 80 10 22 1100 | | | 3 | 1 | 0.655 | 0.440 | 0.185 | 1.040 | 0.037 | 4.110 | 4.332 | 0.855 | 5.187 | 466.0 |
| 80 11 18 1105 | | | 3 | 1 | 0.061 | 0.029 | 0.080 | 0.620 | 0.046 | 6.000 | 6.126 | 0.540 | 6.666 | 508.8 |
| 80 12 10 1130 | | | 3 | 1 | 0.039 | 0.022 | 0.020 | 0.720 | 0.010 | 5.340 | 5.370 | 0.700 | 6.070 | 412.3 |
| MAXIMUM | | | | | **0.880** | **0.440** | **0.955** | **7.300** | **0.080** | **8.300** | **8.456** | **6.345** | **10.099** | **518.0** |
| ARITH MEAN | | | | | **0.228** | **0.076** | **0.164** | **1.43** | **0.047** | **5.10** | **5.315** | **1.268** | **6.582** | **457** |
| GEOM MEAN | | | | | **0.122** | **0.032** | **0.092** | **0.93** | **0.042** | **4.63** | **4.896** | **0.829** | **6.224** | **455** |
| MINIMUM | | | | | **0.039** | **0.005** | **0.020** | **0.500** | **0.010** | **2.38** | **2.547** | **0.405** | **3.452** | **396.0** |
| STD DEV | | | | | **0.287** | **0.131** | **0.266** | **1.99** | **0.020** | **2.26** | **2.187** | **1.742** | **2.242** | **37** |
| NO OF SAMPLES | | | | | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | ALKT | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD |
| 80 01 23 0950 | | | 3 | 1 | 12.0 | 428.0 | 685.0 | 6.10 | 21.000 | | | 7.2 |
| 80 02 20 1050 | | | 3 | 1 | 3.5 | 442.0 | 660.0 | 4.90 | 18.500 | | 7.65 | 7.1 |
| 80 03 17 1113 | | | 3 | 1 | 217.0 | 168.000 | 259.0 | 145.00 | 11.500 | | 7.26 | 6.6 |
| 80 04 21 1240 | | | 3 | 1 | 17.0 | 413.0 | 620.0 | 6.10 | 19.500 | | 7.93 | 8.0 |
| 80 05 20 1030 | | | 3 | 1 | 7.0 | 511.0 | 665.0 | .40 | 16.500 | | 7.83 | |
| 80 06 11 1030 | | | 3 | 1 | 22.0 | 450.0 | 690.0 | 12.00 | 20.000 | 255.0 | 7.73 | |
| 80 07 21 1030 | | | 3 | 1 | 21.3 | 448.7 | 650 | 12 | 20.0 | 245 | 7.81 | 7.6 |
| 80 08 12 1030 | | | 3 | 1 | | | 680 | 8.90 | 23.5 | 255 | 7.75 | 7.4 |
| 80 09 09 1115 | | | 3 | 1 | 18.9 | 450.3 | 680.0 | 14.00 | 19.500 | 255.0 | 7.63 | |
| 80 10 22 1100 | | | 3 | 1 | 10.8 | 455.2 | 725.0 | 7.20 | 22.500 | 303.0 | 7.34 | |
| 80 11 18 1105 | | | 3 | 1 | 10.0 | 498.8 | 720.0 | 5.10 | 20.500 | 276.0 | 7.73 | 7.6 |
| 80 12 10 1130 | | | 3 | 1 | 2.9 | 409.4 | 625.0 | 1.40 | 22.000 | 251.0 | 7.89 | 7.2 |
| MAXIMUM | | | | | **217.0** | **511.0** | **726.0** | **145.00** | **23.5** | **303.0** | **7.93** | **8.0** |
| ARITH MEAN | | | | | **31.1** | **424.9** | **636** | **18** | **19.5** | **262** | **7.69** | **7.3** |
| GEOM MEAN | | | | | **13.6** | **411.1** | **620** | **8** | **19.3** | **262** | **7.68** | **7.3** |
| MINIMUM | | | | | **2.9** | **168.000** | **259.0** | **1.40** | **11.500** | **245** | **7.26** | **6.6** |
| STD DEV | | | | | **62.0** | **90.7** | **123** | **39** | **3.1** | **20** | **0.21** | **0.4** |
| NO OF SAMPLES | | | | | **11** | **11** | **12** | **12** | **12** | **7** | **11** | **8** |

B O W / SITE: **BIG OTTER CREEK**
SAMPLE POINT: **9TH LINE BAYHAM TOWN LINE**
STATION TYPE: **RIVER FLOW GAUGE FED 02GC010**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **BIG OTTER CREEK**

STATION ID: **16-0109-004-02**
STORET CODE: **02**
**003**
**1390**

LAT
LONG:
U T M: **17 0517825.0 4738100.0 4**
REGION: **01**
DISTANCE: **44.095**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW, M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 01 23 1003 | | | 3 | 1 | 30508 | 6 | 3.300 | 2000 | 9300 | 600> | 600> | 4< | 0.0 | |
| 80 03 17 1057 | | | 3 | 1 | 30533 | 3 | 14.300 | 4200C | 46000 | 550 | 540 | | 2.2 | 14.6 |
| 80 04 21 1315 | | | 3 | 1 | 30556 | 6 | 5.310 | 360C | 3800 | 36 | 48 | 4< | 12.8 | 11.2 |
| 80 05 20 1055 | | | 3 | 1 | 30570 | 6 | 6.440 | 2100 | 6000 | 360 | 108 | 4< | 14.5 | 9.7 |
| 80 06 11 1045 | | | 3 | 1 | 30606 | 3 | 3.900 | 5600C | 32000 | 1040 | 320 | 4< | 12.3 | 10.7 |
| 80 07 21 1050 | | | 3 | 1 | 30612 | 6 | 1.240 | 5900C | 50000 | 390 | 360 | 8 | 22.9 | 8.4 |
| 80 08 12 1050 | | | 3 | 1 | 30636 | 3 | 1.670 | 33000> | 115000 | 1500> | 1100 | 192 | 20.1 | 7.3 |
| 80 09 09 1140 | | | 3 | 1 | 30651 | 6 | 1.120 | 3900 | 12000 | 500I | 130 | 20 | 16.5 | 10.8 |
| 80 11 18 1200 | | | 3 | 1 | 30666 | 6 | 1.900 | 460 | 1300 | 10I | 30 | 4< | 2.8 | 15.2 |
| 80 12 10 1225 | | | 3 | 1 | 30683 | 6 3 | 8.800 | 2700C | 51000 | 630 | 630 | 12 | 3.0 | 13.8 |
| MAXIMUM | | | | | | | **14.300** | **33000>** | **115000** | **1500>** | **1100>** | **192** | **22.9** | **15.2** |
| ARITH MEAN | | | | | | | **4.798** | **6022G** | **32640** | **562G** | **387G** | **28L** | **10.7** | **11.3** |
| GEOM MEAN | | | | | | | **3.457** | **2835G** | **16424** | **310G** | **235G** | **9L** | **7.1** | **11.0** |
| MINIMUM | | | | | | | **1.120** | **380** | **1300** | **10** | **30** | **4<** | **0.0** | **7.3** |
| STD DEV | | | | | | | **4.172** | **9669G** | **35111** | **443G** | **338G** | **62L** | **8.2** | **2.7** |
| NO OF SAMPLES | | | | | | | **10** | **10** | **10** | **10** | **10** | **9** | **10** | **9** |

(CONTD)

| TEST-NAME: | | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 01 23 1003 | | | .3 | 1 | 0.4 | 0.045 | 0.021 | 0.050 | 0.410 | 0.013 | 5.200 | 5.263 | 0.360 | 5.623 |
| 80 03 17 1057 | | | .3 | 1 | 5.0 | 0.460 | 0.059 | 0.315 | 2.400 | 0.039 | 2.910 | 3.264 | 2.085 | 5.349 |
| 80 04 21 1315 | | | .3 | 1 | 1.2 | 0.095 | 0.021 | 0.010 | 0.630 | 0.027 | 3.900 | 3.937 | 0.620 | 4.557 |
| 80 05 20 1055 | | | .3 | 1 | 2.2 | 0.158 | 0.063 | 0.135 | 1.240 | 0.063 | 4.190 | 4.388 | 1.105 | 5.493 |
| 80 06 11 1045 | | | .3 | 1 | 1.4 | 0.260 | 0.056 | 0.080 | 1.020 | 0.064 | 6.400 | 6.544 | 0.940 | 7.484 |
| 80 07 21 1050 | | | .3 | 1 | 1.6 | 0.108 | 0.005 | 0.010 | 0.64 | 0.018 | 2.38 | 2.408 | 0.630 | 3.038 |
| 80 08 12 1050 | | | .3 | 1 | 2.6 | | | | | | | | | |
| 80 09 09 1140 | | | .3 | 1 | 1.3 | 0.081 | 0.015 | 0.040 | 0.630 | 0.025 | 2.200 | 2.265 | 0.590 | 2.855 |
| 80 11 18 1200 | | | .3 | 1 | 1.4 | 0.023 | 0.004 | 0.015 | 0.480 | 0.042 | 3.500 | 3.557 | 0.465 | 4.022 |
| 80 12 10 1225 | | | .3 | 1 | 1.0 | 0.097 | 0.044 | 0.050 | 0.750 | 0.054 | 12.200 | 12.304 | 0.700 | 13.004 |
| MAXIMUM | | | | | 5.0 | 0.460 | 0.063 | 0.315 | 2.400 | 0.064 | 12.200 | 12.304 | 2.085 | 13.004 |
| ARITH MEAN | | | | | 1.8 | 0.147 | 0.032 | 0.078 | 0.91 | 0.038 | 4.76 | 4.881 | 0.833 | 5.714 |
| GEOM MEAN | | | | | 1.5 | 0.105 | 0.022 | 0.043 | 0.78 | 0.034 | 4.13 | 4.262 | 0.729 | 5.162 |
| MINIMUM | | | | | 0.4 | 0.023 | 0.004 | 0.010 | 0.410 | 0.013 | 2.200 | 2.265 | 0.360 | 2.855 |
| STD DEV | | | | | 1.3 | 0.136 | 0.024 | 0.097 | 0.61 | 0.019 | 3.09 | 3.092 | 0.521 | 3.082 |
| NO OF SAMPLES | | | | | 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | ALKT | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD |
| 80 01 23 1003 | | | .3 | 1 | 378.0 | 13.5 | 364.5 | 600.0 | 7.70 | 19.000 | | 8.14 | 7.5 |
| 80 03 17 1057 | | | .3 | 1 | 582.0 | 306.0 | 276.0 | 411.0 | 170.00 | 17.000 | | 7.59 | 7.0 |
| 80 04 21 1315 | | | .3 | 1 | 428.0 | 57.0 | 371.0 | 550.0 | 26.00 | 18.000 | | 8.27 | 8.5 |
| 80 05 20 1055 | | | .3 | 1 | 434.0 | 46.0 | 388.0 | 570.0 | 4.30 | 31.000 | | 8.29 | |
| 80 06 11 1045 | | | .3 | 1 | 506.0 | 94.0 | 412.0 | 580.0 | 80.00 | 19.500 | 227.0 | 8.26 | |
| 80 07 21 1050 | | | .3 | 1 | 435 | 55.7 | 379.3 | 550 | 25 | 24.0 | 199 | 8.32 | 8.4 |
| 80 08 12 1050 | | | .3 | 1 | | | | | 57.0 | 23.0 | 178 | 8.02 | 7.6 |
| 80 09 09 1140 | | | .3 | 1 | 395.2 | 32.2 | 363.0 | 580.0 | 25.00 | 28.500 | 212.0 | 8.13 | |
| 80 11 18 1200 | | | .3 | 1 | 428.2 | 5.9 | 422.3 | 620.0 | 3.00 | 24.000 | 237.0 | 8.14 | 8.0 |
| 80 12 10 1225 | | | .3 | 1 | 460.6 | 32.[illegible] | 428.4 | 675.0 | 18.00 | 29.000 | 225.0 | 7.86 | 7.8 |
| MAXIMUM | | | | | 582.0 | 306.0 | 428.4 | 675.0 | 170.00 | 31.000 | 237.0 | 8.32 | 8.5 |
| ARITH MEAN | | | | | 449 | 71.4 | 378.3 | 570 | 41 | 23.3 | 213 | 8.10 | 7.8 |
| GEOM MEAN | | | | | 446 | 41.3 | [illegible]75.8 | 566 | 21 | 22.8 | 212 | 8.10 | 7.8 |
| MINIMUM | | | | | 378.0 | 5.9 | 27[illegible].0 | 411.0 | 3.00 | 17.000 | 178 | 7.59 | 7.0 |
| STD DEV | | | | | 61 | 91.8 | 45.[illegible] | 71 | 51 | 4.9 | 21 | 0.23 | 0.6 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 10 | 10 | 6 | 10 | 7 |

B.O.W / SITE: **BIG OTTER CREEK**
SAMPLE POINT: **AT HIGHWAY [illegible] SOUTHERN BRIDGE VIENNA**
STATION TYPE: **RIVER FLOW [illegible]GE FED 02GC004**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **BIG OTTER CREEK**

STATION ID: **16-0109-005-02**
STORET CODE: **02**
**003**
**1390**

LAT:
LONG:
U T M: **17 0516940.0 4724700.0 4**
REGION: **01**
DISTANCE: **7.081**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 23 1025 | | | .3 | 1 | 30509 | 6 | | | | | | 0.0 | | |
| 80 02 20 1125 | | | .3 | 1 | 30522 | 4 | 1700 | 4700 | 32 | 36 | 4< | 0.2 | 13.7 | |
| 80 03 07 1115 | | | .3 | 1 | 30525 | 4 | | | | | | 0.0 | | |
| 80 04 10 1020 | | | .3 | 1 | 30539 | 6 | | | | | | 8.0 | | |
| 80 04 16 1105 | | | .3 | 1 | 30551 | 6 | | | | | | 3.8 | 12.8 | |
| 80 04 21 1050 | | | .3 | 1 | 30553 | 6 | | | | | | 10.8 | 10.6 | |
| 80 05 20 1125 | | | .3 | 1 | 30571 | 6 | | | | | | 15.1 | 9.7 | |
| 80 06 11 1115 | | | .3 | 1 | 30607 | 3 | 6200C | 48000 | 1500> | 464 | 4< | [illegible] | 10.5 | 1.4 |
| 80 07 21 1140 | | | .3 | 1 | 30613 | 6 3 | 12000 | 62000 | 510 | 700 | 4 | 23.9 | 8.3 | 1.8 |
| 80 08 12 1130 | | | .3 | 1 | 30637 | 3 | 21000 | 56000 | 780 | 750 | 88 | 21.0 | 8.6 | |
| 80 09 09 1210 | | | .3 | 1 | 30652 | 6 | 3900 | 10000 | 380 | 190 | 12 | 18.5 | 9.2 | 0.8 |
| 80 10 22 1130 | | | .3 | 1 | 30657 | 6 | 5000 | 17600 | 460 | 1100 | 4< | 8.1 | 14.1 | 1.7 |
| 80 11 18 1230 | | | .3 | 1 | 30667 | 6 3 | 330 | 900 | 20I | 90I | 4< | 2.9 | 14.2 | 1.5 |
| 80 12 10 1250 | | | .3 | 1 | 30684 | 6 3 | 4800C | 33000 | 750 | 620 | 8 | 2.5 | 13.4 | 2.0 |
| MAXIMUM | | | | | | | 21000 | 62000 | 1500> | 1100 | 88 | 23.9 | 14.[illegible] | 2.0 |
| ARITH MEAN | | | | | | | 6866 | 29025 | 564G | 494 | 16L | 9.1 | 11.4 | 1.5 |
| GEOM MEAN | | | | | | | 4114 | 15905 | [illegible] | 317 | 7L | 5.1 | 11.2 | 1.5 |
| MINIMUM | | | | | | | 330 | 900 | 20 | 36 | 4< | 0.0 | 8.3 | 0.8 |
| STD DEV | | | | | | | 6882 | 24101 | 476G | 370 | 29L | 8.1 | 2.3 | 0.4 |
| NO OF SAMPLES | | | | | | | 8 | 8 | 8 | 8 | 8 | 14 | 11 | 6 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 23 1025 | | | .3 | 1 | 0.069 | 0.019 | | 0.560 | 0.013 | 4.000 | | | 4.573 | |
| 80 02 20 1125 | | | .3 | 1 | 0.038 | 0.011 | | 0.380 | 0.008 | 2.990 | | | 3.378 | |
| 80 03 07 1115 | | | .3 | 1 | 0.340 | 0.265 | | 1.770 | 0.118 | 3.700 | | | 5.588 | |
| 80 04 10 1020 | | | .3 | 1 | 0.570 | 0.043 | | 1.400 | 0.029 | 4.500 | | | 5.929 | |
| 80 04 16 1105 | | | .3 | 1 | 1.080 | 0.089 | | 2.300 | 0.032 | 3.500 | | | 5.832 | |
| 80 04 21 1050 | | | .3 | 1 | 0.148 | 0.026 | | 0.660 | 0.027 | 3.410 | | | 4.097 | |
| 80 05 20 1125 | | | .3 | 1 | 0.170 | 0.019 | | 1.160 | 0.051 | 3.100 | | | 4.311 | |
| 80 06 11 1115 | | | .3 | 1 | 0.440 | 0.077 | 0.110 | 1.360 | 0.076 | 5.800 | 5.986 | 1.250 | 7.236 | 660.0 |
| 80 07 21 1140 | | | .3 | 1 | 0.218 | 0.018 | 0.015 | 0.84 | 0.014 | 1.75 | 1.779 | 0.825 | 2.604 | 469 |
| 80 09 09 1210 | | | .3 | 1 | 0.112 | 0.018 | 0.020 | 0.610 | 0.008 | 1.830 | 1.858 | 0.590 | 2.448 | 414.1 |
| 80 10 22 1130 | | | .3 | 1 | 0.082 | 0.024 | 0.040 | 0.840 | 0.068 | 6.200 | 6.308 | 0.800 | 7.108 | 476.8 |
| 80 11 18 1230 | | | .3 | 1 | 0.034 | 0.008 | 0.010 | 0.430 | 0.008 | 2.900 | 2.918 | 0.420 | 3.338 | 428.8 |
| 80 12 10 1250 | | | .3 | 1 | 0.150 | 0.048 | 0.060 | 0.900 | 0.031 | 8.800 | 8.891 | 0.840 | 9.731 | 464.1 |

(CONTD)

B.O.W / SITE: **BIG OTTER CREEK**
SAMPLE POINT: **AT HIGHWAY 19 SOUTHERN BRIDGE VIENNA**
STATION TYPE: **RIVER FLOW GAUGE FED 02GC004**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **BIG OTTER CREEK**

STATION ID: **16-0109-005-02**
STORET CODE: **02**
**003**
**1390**

LAT: LONG: U T M: **17 0516940.0 4724700.0 4** REGION: **01** DISTANCE: **7.081**

| TEST-NAME: | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| MAXIMUM | | | | 1.080 | 0.265 | 0.110 | 2.300 | 0.118 | 8.800 | 8.891 | 1.250 | 9.731 | 660.0 |
| ARITH MEAN | | | | 0.265 | 0.051 | 0.042 | 1.01 | 0.037 | 4.03 | 4.623 | 0.787 | 5.090 | 485 |
| GEOM MEAN | | | | 0.164 | 0.031 | 0.030 | 0.88 | 0.026 | 3.66 | 3.846 | 0.746 | 4.710 | 479 |
| MINIMUM | | | | 0.034 | 0.008 | 0.010 | 0.380 | 0.008 | 1.75 | 1.779 | 0.420 | 2.448 | 414.1 |
| STD DEV | | | | 0.293 | 0.069 | 0.038 | 0.56 | 0.033 | 1.93 | 2.883 | 0.280 | 2.096 | 89 |
| NO OF SAMPLES | | | | 13 | 13 | 6 | 13 | 13 | 13 | 6 | 6 | 13 | 6 |

| TEST-NAME: | | | | RSP | RSF | COND25 | TURB | CLIDUR | ALKT | PH | FWPH | ASUT | HGUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG |
| 80 01 23 1025 | | .3 | 1 | 34.50 | 360.00 | | | | 221 | 8.13 | 7.8 | | |
| 80 02 20 1125 | | .3 | 1 | 17.00 | 354.00 | | | | 210.0 | 7.95 | 7.3 | | |
| 80 03 07 1115 | | .3 | 1 | 18.00 | 484.00 | | | | 189.0 | 7.72 | | | 0.030 |
| 80 04 10 1020 | | .3 | 1 | 340.00 | 377.00 | | | | 214.0 | 8.09 | | | 0.030 |
| 80 04 16 1105 | | .3 | 1 | 706.00 | 340.00 | | | | 142.0 | 7.98 | | | 0.050 |
| 80 04 21 1050 | | .3 | 1 | 118.50 | 350.00 | | | | 214.0 | 8.16 | | | 0.020< |
| 80 05 20 1125 | | .3 | 1 | 138.00 | 492.00 | | | | 205.0 | 8.23 | | 0.001 | |
| 80 06 11 1115 | | .3 | 1 | 254.0 | 406.0 | 540.0 | 120.00 | 17.500 | 219.0 | 8.19 | | 0.004 | 0.120 |
| 80 07 21 1140 | | .3 | 1 | 114.6 | 354.4 | 472 | 75 | 17.5 | 184 | 8.29 | 8.4 | 0.001 | |
| 80 08 12 1130 | | .3 | 1 | | | | 76.00 | 17.0 | | 8.30 | 8.1 | 0.002 | 0.05 |
| 80 09 09 1210 | | .3 | 1 | 53.6 | 360.5 | 550.0 | 40.00 | 19.500 | 220.0 | 8.23 | | 0.002 | 0.060 |
| 80 10 22 1130 | | .3 | 1 | 30.6 | 446.2 | 650.0 | 13.00 | 22.000 | 247.0 | 8.12 | | | |
| 80 11 18 1230 | | .3 | 1 | 15.5 | 413.3 | 600.0 | 8.30 | 19.000 | 237.0 | 8.14 | 8.0 | 0.001< | 0.040 |
| 80 12 10 1250 | | .3 | 1 | 62.5 | 401.6 | 610.0 | 30.00 | 24.500 | 217.0 | 8.00 | 7.6 | 0.001< | 0.040< |
| MAXIMUM | | | | 706.00 | 492.00 | 650.0 | 120.00 | 24.500 | 247.0 | 8.30 | 8.4 | 0.004 | 0.120 |
| ARITH MEAN | | | | 146.3 | 395.3 | 570 | 51 | 19.5 | 209 | 8.11 | 7.9 | 0.002L | 0.04 L |
| GEOM MEAN | | | | 73.7 | 392.4 | 567 | 36 | 19.4 | 207 | 8.11 | 7.9 | 0.001L | 0.04 L |
| MINIMUM | | | | 15.5 | 340.00 | 472 | 8.30 | 17.0 | 142.0 | 7.72 | 7.3 | 0.001< | 0.020< |
| STD DEV | | | | 194.9 | 51.2 | 62 | 40 | 2.7 | 26 | 0.16 | 0.4 | 0.001L | 0.02 L |
| NO OF SAMPLES | | | | 13 | 13 | 6 | 7 | 7 | 13 | 14 | 6 | 7 | 9 |

| TEST-NAME: | | | | CRUT | CUUT | PBUT | CDUT | ZNUT | P1PCBT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | PCB TOTAL UG/L |
| 80 01 23 1025 | | .3 | 1 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020 |
| 80 02 20 1125 | | .3 | 1 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.020 | 0.020R |
| 80 03 07 1115 | | .3 | 1 | 0.020< | | 0.030< | | 0.010< | 0.020R |
| 80 04 10 1020 | | .3 | 1 | 0.020< | | 0.030< | | 0.050 | 0.020R |
| 80 04 16 1105 | | .3 | 1 | 0.030 | | 0.030< | | 0.150 | 0.020R |
| 80 04 21 1050 | | .3 | 1 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 05 20 1125 | | .3 | 1 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 06 11 1115 | | .3 | 1 | 0.020< | 0.010 | 0.030< | 0.005 < | 0.030 | |
| 80 07 21 1140 | | .3 | 1 | 0.02 < | 0.01 < | 0.03 < | 0.005 < | 0.01 < | 0.020R |
| 80 08 12 1130 | | .3 | 1 | 0.002< | 0.004 | 0.003< | 0.0002< | 0.015 | 0.020R |
| 80 09 09 1210 | | .3 | 1 | 0.020 | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 11 18 1230 | | .3 | 1 | 0.002< | 0.002 | 0.003< | | 0.021 | |
| 80 12 10 1250 | | .3 | 1 | 0.017 | 0.010 | 0.006 | 0.0002< | 0.042 | |
| MAXIMUM | | | | 0.030 | 0.010 | 0.030 | 0.005 | 0.150 | |
| ARITH MEAN | | | | 0.01 L | 0.00 L | 0.02 L | 0.003 L | 0.03 L | |
| GEOM MEAN | | | | 0.01 L | 0.00 L | 0.01 L | 0.002 L | 0.02 L | |
| MINIMUM | | | | 0.002< | 0.002< | 0.003< | 0.0002< | 0.010< | |
| STD DEV | | | | 0.00 L | 0.00 L | 0.01 L | 0.002 L | 0.03 L | |
| NO OF SAMPLES | | | | 13 | 10 | 13 | 9 | 13 | |

B.O.W / SITE: **BIG OTTER CREEK**
SAMPLE POINT: **AT NORWICH RD.6 E.OF BASE LINE RD.**
STATION TYPE: **RIVER FLOW GAUGE FED 02GC017**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **BIG OTTER CREEK**

STATION ID: **16-0109-007-02**
STORET CODE: **02**
**003**
**1390**

LAT: LONG: U T M: **17 0537300.0 4756950.0 4** REGION: **01** DISTANCE: **78.373**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | PSAMF | FWTEMP | DO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O |
| 80 01 23 1110 | | .3 | 1 | 30510 | 6 | 0.740 | 670 | 1600 | 36 | 60 | 4< | 0.0 | |
| 80 02 20 1330 | | .3 | 1 | 30523 | 6 | 0.416 | 120 | 930 | 56 | 16 | 4< | 1.5 | 12.8 |
| 80 03 17 1305 | | .3 | 1 | 30535 | 6 3 | 3.600 | 5900C | 66000 | 600> | 600> | 4C | 1.5 | 12.8 |
| 80 04 21 1205 | | .3 | 1 | 30554 | 6 | 1.350 | 700C | 4100 | 28 | 44 | 4< | 11.0 | 10.9 |
| 80 05 20 1250 | | .3 | 1 | 30572 | 6 | 1.470 | 1300 | 9000 | 280 | 180 | 4< | 16.5 | 9.3 |
| 80 06 11 1235 | | .3 | 1 | 30608 | 3 | 0.703 | 2200 | 14000 | 310 | 160 | 4< | 13.2 | 9.8 |
| 80 07 21 1240 | | .3 | 1 | 30614 | 3 | 0.374 | 3800 | 26000 | 500 | 960 | 4< | 22.9 | 7.4 |
| 80 08 12 1315 | | .3 | 1 | 30638 | 6 3 | 0.282 | 1800 | 27000 | 440 | 330 | 4< | 19.2 | 8.0 |
| 80 09 09 1320 | | .3 | 1 | 30653 | 6 | 0.257 | 2100 | 6000 | 260 | 160 | 4< | 15.5 | 9.9 |
| 80 10 22 1155 | | .3 | 1 | 30658 | 6 | 0.706 | 9700C | 60000 | 280 | 1500> | 4< | 8.5 | 12.8 |
| 1300 | | .3 | 1 | 30659 | 6 | 0.706 | 5200 | 9000 | 150 | 390 | 4< | 8.0 | 11.7 |
| 80 11 18 1330 | | .3 | 1 | 30668 | 6 | 0.461 | 290 | 1000 | 150 | 160 | 4< | 3.5 | 13.2 |
| 80 12 10 1415 | | .3 | 1 | 30685 | 6 3 | 2.630 | 40000C | 340000 | 590 | 1200 | 8 | 2.5 | 12.8 |
| MAXIMUM | | | | | | 3.600 | 40000 | 340000 | 600> | 1500> | 8 | 22.9 | 13.2 |
| ARITH MEAN | | | | | | 1.053 | 5675 | 43433 | 283G | 443G | 4L | 9.5 | 10.9 |
| GEOM MEAN | | | | | | 0.754 | 1996 | 11109 | 196G | 227G | 4L | 6.2 | 10.8 |
| MINIMUM | | | | | | 0.257 | 120 | 930 | 28 | 16 | 4< | 0.0 | 7.4 |
| STD DEV | | | | | | 1.006 | 10673 | 91675 | 200G | 483G | 1L | 7.5 | 2.0 |
| NO OF SAMPLES | | | | | | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |

| TEST-NAME: | | | | | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N |
| 80 01 23 1110 | | | .3 | 1 | 0.4 | 0.052 | 0.023 | 0.045 | 0.570 | 0.016 | 4.500 | 4.561 | 0.525 | 5.086 |
| 80 02 20 1330 | | | .3 | 1 | 1.3 | 0.019 | 0.009 | 0.020 | 0.320 | 0.011 | 3.040 | 3.071 | 0.300 | 3.371 |
| 80 03 17 1305 | | | .3 | 1 | 4.9 | 0.980 | 0.057 | 0.425 | 8.000 | 0.039 | 2.810 | 3.274 | 7.575 | 10.849 |
| 80 04 21 1205 | | | .3 | 1 | 2.2 | 0.091 | 0.007 | 0.005 | 0.900 | 0.024 | 2.900 | 2.929 | 0.895 | 3.824 |
| 80 05 20 1250 | | | .3 | 1 | 2.4 | 0.124 | 0.019 | 0.045 | 1.100 | 0.033 | 2.570 | 2.648 | 1.055 | 3.703 |
| 80 06 11 1235 | | | .3 | 1 | 1.6 | 0.098 | 0.034 | 0.035 | 0.860 | 0.053 | 3.700 | 3.788 | 0.825 | 4.613 |
| 80 07 21 1240 | | | .3 | 1 | 1.9 | 0.115 | 0.027 | 0.040 | 0.85 | 0.031 | 1.56 | 1.631 | 0.810 | 2.441 |
| 80 08 12 1315 | | | .3 | 1 | 1.3 | | | | | | | | | |
| 80 09 09 1320 | | | .3 | 1 | 0.8 | 0.051 | 0.014 | 0.015 | 0.530 | 0.011 | 2.040 | 2.066 | 0.515 | 2.581 |
| 80 10 22 1155 | | | .3 | 1 | 0.9 | 0.225 | 0.038 | 0.010 | 1.200 | 0.022 | 4.900 | 4.932 | 1.190 | 6.122 |
| 1300 | | | .3 | 1 | 2.3 | 0.112 | 0.030 | 0.005 | 1.220 | 0.038 | 5.000 | 5.043 | 1.215 | 6.258 |
| 80 11 18 1330 | | | .3 | 1 | 1.2 | 0.039 | 0.006 | 0.010 | 0.610 | 0.011 | 2.900 | 2.921 | 0.600 | 3.521 |
| 80 12 10 1415 | | | .3 | 1 | 2.0 | 0.314 | 0.040 | 0.065 | 1.160 | 0.027 | 6.200 | 6.292 | 1.095 | 7.387 |
| MAXIMUM | | | | | 4.9 | 0.980 | 0.057 | 0.425 | 8.000 | 0.053 | 6.200 | 6.292 | 7.575 | 10.849 |
| ARITH MEAN | | | | | 1.8 | 0.186 | 0.025 | 0.060 | 1.44 | 0.028 | 3.51 | 3.596 | 1.383 | 4.980 |
| GEOM MEAN | | | | | 1.5 | 0.106 | 0.021 | 0.025 | 0.95 | 0.023 | 3.26 | 3.361 | 0.920 | 4.538 |
| MINIMUM | | | | | 0.4 | 0.019 | 0.006 | 0.005 | 0.320 | 0.011 | 1.56 | 1.631 | 0.300 | 2.441 |
| STD DEV | | | | | 1.1 | 0.264 | 0.015 | 0.117 | 2.08 | 0.013 | 1.37 | 1.385 | 1.971 | 2.397 |
| NO OF SAMPLES | | | | | 13 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RST | RSP | RSF | COND25 | TURB | CLIDUR | ALKT | PH | FWPH | ASUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS |
| 80 01 23 1110 | | | .3 | 1 | 384.0 | 9.0 | 375.0 | 600.0 | 6.10 | 18.000 | | 8.00 | 7.1 | |
| 80 02 20 1330 | | | .3 | 1 | 388.0 | 2.0 | 386.0 | 580.0 | 2.10 | 14.500 | | 8.03 | 7.8 | |
| 80 03 17 1305 | | | .3 | 1 | 314.0 | 39.0 | 275.0 | 421.0 | 42.00 | 18.000 | | 7.68 | 7.2 | |
| 80 04 21 1205 | | | .3 | 1 | 396.0 | 29.5 | 366.5 | 540.0 | 7.00 | 18.000 | | 8.16 | 8.8 | |
| 80 05 20 1250 | | | .3 | 1 | 406.0 | 26.0 | 380.0 | 555.0 | 3.70 | 32.500 | | 8.07 | | |
| 80 06 11 1235 | | | .3 | 1 | 428.0 | 25.0 | 403.0 | 560.0 | 9.00 | 16.000 | 222.0 | 8.10 | | |
| 80 07 21 1240 | | | .3 | 1 | 380 | 17.9 | 362.1 | 500 | 6.2 | 17.5 | 182 | 8.08 | 8.1 | |
| 80 08 12 1315 | | | .3 | 1 | | | | | | | 206 | 8.10 | 8.0 | |
| 80 09 09 1320 | | | .3 | 1 | 334.6 | 9.2 | 325.4 | 545.0 | 4.30 | 15.500 | 208.0 | 8.03 | | |
| 80 10 22 1155 | | | .3 | 1 | 589.0 | 133.1 | 455.9 | 590.0 | 63.00 | 18.500 | 237.0 | 8.11 | | 0.001< |
| 1300 | | | .3 | 1 | 468.4 | 18.1 | 450.3 | 640.0 | 11.00 | 24.000 | 228.0 | 7.97 | | |
| 80 11 18 1330 | | | .3 | 1 | 437.0 | 4.6 | 432.4 | 635.0 | 3.20 | 22.500 | 241.0 | 8.09 | 7.9 | |
| 80 12 10 1415 | | | .3 | 1 | 704.8 | 281.5 | 423.3 | 670.0 | 100.00 | 22.500 | 217.0 | 8.13 | 7.5 | |
| MAXIMUM | | | | | 704.8 | 281.5 | 455.9 | 670.0 | 100.00 | 32.500 | 241.0 | 8.16 | 8.8 | 0.001 |
| ARITH MEAN | | | | | 435 | 49.6 | 386.2 | 569 | 21.4 | 19.7 | 217 | 8.04 | 7.8 | 0.001L |
| GEOM MEAN | | | | | 425 | 20.9 | 382.8 | 565 | 9.7 | 19.3 | 216 | 8.04 | 7.8 | |
| MINIMUM | | | | | 314.0 | 2.0 | 275.0 | 421.0 | 2.10 | 14.500 | 182 | 7.68 | 7.1 | 0.001< |
| STD DEV | | | | | 109 | 80.9 | 52.2 | 67 | 31.0 | 4.9 | 19 | 0.12 | 0.5 | |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 8 | 13 | 8 | 1 |

| TEST-NAME: | | | | | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | MERCURY UNF.TOT. MG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 10 22 1155 | | | .3 | 1 | 0.040 | 0.002< | 0.008 | 0.003 | 0.0002< | 0.023 |
| MAXIMUM | | | | | 0.040 | 0.002 | 0.008 | 0.003 | 0.0002 | 0.023 |
| ARITH MEAN | | | | | 0.040 | 0.002L | 0.008 | 0.003 | 0.0002L | 0.023 |
| GEOM MEAN | | | | | | | | | | |
| MINIMUM | | | | | 0.040 | 0.002< | 0.008 | 0.003 | 0.0002< | 0.023 |
| STD DEV | | | | | | | | | | |
| NO OF SAMPLES | | | | | 1 | 1 | 1 | 1 | 1 | 1 |

| | | |
|---|---|---|
| B.O.W / SITE: **BIG CREEK**<br>SAMPLE POINT: **NORFOLK COUNTY ROAD 42**<br>STATION TYPE: **RIVER** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE ERIE**<br>TERM STREAM: **BIG CREEK** | STATION ID: **16-0124-003-02**<br>STORET CODE: **02**<br>**003**<br>**1000** |
| LAT LONG | U T M: **17 0542150.0 4715600.0 4** | REGION: **02** DISTANCE: **3.380** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 28 1335 | | | .3 | 1 | 28331 | 4 | 320 | 2600 | 8 | 12 | 0.3 | 14.0 | 0.4 | 0.022 |
| 80 02 28 1320 | | | .3 | 1 | 28364 | 4 | 60I | 3600 | 12 | 24 | 1.6 | 13.2 | 1.4 | 0.037 |
| 80 03 26 1305 | | | .3 | 1 | 28420 | 3 | 3700 | 14000 | 70I | 430 | 4.8 | 11.6 | 0.8 | 0.180 |
| 80 04 29 1315 | | | .3 | 1 | 28491 | 3 | 1200 | 17000 | 70I | 90I | 10.0 | 8.7 | 0.6 | 0.050 |
| 80 05 28 1200 | | | .3 | 1 | 28542 | 6 | 230C | 4100 | 10I | 30I | 16.0 | 7.6 | 0.6 | 0.035 |
| 80 06 26 1055 | | | .3 | 1 | 28586 | 6 | 300 | 4400 | 10I | 30I | 22.5 | 7.3 | 1.0 | 0.051 |
| 80 07 07 1455 | | | .3 | 1 | 80055 | 6 | | | | | 20.5 | 8.3 | | 0.045 |
| 80 07 08 0300 | | | .3 | 1 | 80054 | 6 | | | | | 19.5 | 7.8 | | 0.087 |
| 80 07 30 1155 | | | .3 | 1 | 28630 | 6 | 3200C | 58000 | 620 | 540 | 21.0 | 7.0 | 1.0 | 0.112 |
| 80 08 21 1000 | | | .3 | 1 | 28674 | 6 | 460C | 11400 | 90I | 180 | 19.5 | 5.3 | 0.6 | 0.045 |
| 80 09 04 1110 | | | .3 | 1 | 28717 | 6 | 3500C | 71000 | 450 | 1500> | 21.5 | 7.4 | 0.8 | 0.162 |
| 80 10 20 1110 | | | .3 | 1 | 28730 | 6 | 1700 | 22500 | 140 | 100I | 10.0 | 8.9 | 1.0 | 0.080 |
| 80 11 24 1120 | | | .3 | 1 | 28810 | 5 | 1000 | 2200 | 20I | 40I | 6.5 | 10.2 | 0.4 | 0.019 |
| 80 12 09 1200 | | | .3 | 1 | 28841 | 5 | 10400C | 37000 | 520 | 470 | 5.5 | 10.8 | 0.2 | 0.052 |
| MAXIMUM | | | | | | | 10400 | 71000 | 620 | 1500> | 22.5 | 14.0 | 1.4 | 0.180 |
| ARITH MEAN | | | | | | | 2172 | 20650 | 168 | 287G | 12.8 | 9.1 | 0.7 | 0.070 |
| GEOM MEAN | | | | | | | 949 | 11089 | 59 | 109G | 8.5 | 8.8 | 0.7 | 0.056 |
| MINIMUM | | | | | | | 60 | 2200 | 8 | 12 | 0.3 | 5.3 | 0.2 | 0.019 |
| STD DEV | | | | | | | 2915 | 23039 | 225 | 428G | 8.1 | 2.5 | 0.3 | 0.050 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 14 | 14 | 12 | 14 |

(CONTD)

B.O.W./SITE: **BIG CREEK**
SAMPLE POINT: **NORFOLK COUNTY ROAD 42**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **BIG CREEK**

STATION ID: **16-0124-003-02**
STORET CODE: **02**
**003**
**1080**

LAT LONG U.T.M. **17 0542150.0 4715600.0 4** REGION: **02** DISTANCE: **3.380**

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC MG/L |
| 80 01 28 1335 | | | .3 | 1 | 0.007 | 0.082 | 0.390 | 0.012 | 2.340 | 2.434 | 0.308 | 2.742 | 357.00 | 7.00 |
| 80 02 28 1320 | | | .3 | 1 | 0.008 | 0.196 | 0.660 | 0.020 | 2.080 | 2.296 | 0.464 | 2.760 | 346.00 | 7.00 |
| 80 03 26 1305 | | | .3 | 1 | 0.034 | 0.140 | 0.850 | 0.033 | 1.870 | 2.043 | 0.710 | 2.753 | 320.00 | 63.00 |
| 80 04 29 1315 | | | .3 | 1 | 0.008 | 0.046 | 0.480 | 0.016 | 1.530 | 1.592 | 0.434 | 2.026 | 341.00 | 20.00 |
| 80 05 28 1200 | | | .3 | 1 | 0.006 | 0.034 | 0.370 | 0.013 | 1.340 | 1.387 | 0.336 | 1.723 | 369.00 | 13.00 |
| 80 06 26 1055 | | | .3 | 1 | 0.005 | 0.014 | 0.430 | 0.013 | 1.140 | 1.167 | 0.416 | 1.583 | 362.00 | 19.00 |
| 80 07 07 1455 | | | .3 | 1 | 0.007 | 0.032 | 0.410 | 0.018 | 1.580 | 1.630 | 0.378 | 2.008 | | |
| 80 07 08 0300 | | | .3 | 1 | 0.009 | 0.028 | 0.570 | 0.021 | 1.480 | 1.529 | 0.542 | 2.071 | | |
| 80 07 30 1155 | | | .3 | 1 | 0.021 | 0.058 | 0.520 | 0.027 | 1.420 | 1.505 | 0.462 | 1.967 | 363.00 | 48.00 |
| 80 08 21 1000 | | | .3 | 1 | 0.011 | 0.040 | 0.32 | 0.012 | 1.39 | 1.442 | 0.280 | 1.722 | 346 | 12 |
| 80 09 04 1110 | | | .3 | 1 | 0.048 | 0.054 | 0.50 | 0.048 | 1.20 | 1.302 | 0.446 | 1.748 | 323 | 52 |
| 80 10 20 1110 | | | .3 | 1 | 0.015 | 0.036 | 0.500 | 0.013 | 1.640 | 1.689 | 0.464 | 2.153 | 348.00 | 34.00 |
| 80 11 24 1120 | | | .3 | 1 | 0.006 | 0.108 | 0.320 | 0.027 | 1.880 | 2.015 | 0.212 | 2.227 | 354.00 | 6.00 |
| 80 12 09 1200 | | | .3 | 1 | 0.010 | 0.056 | 0.520 | 0.020 | 3.080 | 3.156 | 0.464 | 3.620 | 371.00 | 27.00 |
| **MAXIMUM** | | | | | **0.048** | **0.196** | **0.850** | **0.048** | **3.080** | **3.156** | **0.710** | **3.620** | **371.00** | **63.00** |
| **ARITH MEAN** | | | | | **0.014** | **0.066** | **0.48** | **0.021** | **1.71** | **1.799** | **0.423** | **2.222** | **350** | **25** |
| **GEOM MEAN** | | | | | **0.011** | **0.052** | **0.47** | **0.019** | **1.65** | **1.734** | **0.406** | **2.163** | **349** | **19** |
| **MINIMUM** | | | | | **0.005** | **0.014** | **0.32** | **0.012** | **1.140** | **1.167** | **0.212** | **1.583** | **320.00** | **6.00** |
| **STD DEV** | | | | | **0.013** | **0.050** | **0.14** | **0.010** | **0.51** | **0.540** | **0.121** | **0.562** | **16** | **19** |
| **NO OF SAMPLES** | | | | | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **12** | **12** |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FWPH | PHNOL | FEUT | COLAP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | COLOUR APPARENT HZU |
| 80 01 28 1335 | | | .3 | 1 | 350.00 | 560.0 | 4.80 | 14.000 | 72.000 | 8.19 | | 1.000< | 0.450 | 15.000 |
| 80 02 28 1320 | | | .3 | 1 | 339.00 | 518.0 | 6.10 | 14.500 | 68.000 | 8.27 | | 1.000< | 0.480 | 26.000 |
| 80 03 26 1305 | | | .3 | 1 | 257.000 | 395.0 | 47.00 | 9.500 | 47.500 | 8.11 | | 1.000< | 3.400 | 60.000 |
| 80 04 29 1315 | | | .3 | 1 | 321.00 | 475.0 | 8.00 | 12.000 | 60.000 | 8.11 | | 1.000< | 0.870 | 13.000 |
| 80 05 28 1200 | | | .3 | 1 | 356.00 | 500.0 | 6.10 | 13.000 | 59.000 | 8.26 | | 1.000< | 0.620 | 21.000 |
| 80 06 26 1055 | | | .3 | 1 | 343.00 | 480.0 | 9.90 | 13.000 | 59.500 | 8.12 | | 1.000< | 0.950 | 12.000 |
| 80 07 07 1455 | | | .3 | 1 | | 500.0 | | | | 8.23 | | | | |
| 80 07 08 0300 | | | .3 | 1 | | 500.0 | | | | 8.08 | 8.1 | | | |
| 80 07 30 1155 | | | .3 | 1 | 315.00 | 455.0 | 26.00 | 10.500 | 49.000 | 8.04 | 7.8 | 1.000< | 2.700 | 27.000 |
| 80 08 21 1000 | | | .3 | 1 | 334 | 495 | 7.8 | 13.0 | 58 | 8.20 | 7.95 | 1 < | 0.74 | 19 |
| 80 09 04 1110 | | | .3 | 1 | 271 | 435 | 30 | 9.35 | 45.0 | 8.03 | 7.1 | 1 < | 2.7 | 21 |
| 80 10 20 1110 | | | .3 | 1 | 314.00 | 490.0 | 12.00 | 12.000 | 60.000 | 8.12 | 7.5 | 1.000< | 1.400 | 45.000 |
| 80 11 24 1120 | | | .3 | 1 | 348.00 | 520.0 | 3.50 | 13.500 | 58.500 | 8.15 | 7.9 | 1.000< | 0.380 | 17.000 |
| 80 12 09 1200 | | | .3 | 1 | 344.00 | 540.0 | 9.00 | 15.000 | 68.500 | 8.08 | 8.0 | 1.000< | 1.000 | 34.000 |
| **MAXIMUM** | | | | | **356.00** | **560.0** | **47.00** | **15.000** | **72.000** | **8.27** | **8.1** | **1.000** | **3.400** | **60.000** |
| **ARITH MEAN** | | | | | **324** | **490** | **14** | **12.4** | **58** | **8.14** | **7.7** | **1 L** | **1.3** | **25** |
| **GEOM MEAN** | | | | | **322** | **488** | **10** | **12.3** | **58** | **8.14** | **7.7** | **1 L** | **1.0** | **22** |
| **MINIMUM** | | | | | **257.000** | **395.0** | **3.50** | **9.35** | **45.0** | **8.03** | **7.1** | **1.000<** | **0.380** | **12.000** |
| **STD DEV** | | | | | **31** | **42** | **13** | **1.8** | **8** | **0.08** | **0.3** | **0 L** | **1.0** | **14** |
| **NO OF SAMPLES** | | | | | **12** | **14** | **12** | **12** | **12** | **14** | **7** | **12** | **12** | **12** |

| TEST-NAME: | | | | | COD | MNUT |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHEM. OX DEMAND MG/L AS O | MANGANSE UNF.TOT. MG/L AS MN |
| 80 01 28 1335 | | | .3 | 1 | 36 | 0.062 |
| 80 02 28 1320 | | | .3 | 1 | 10< | 0.063 |
| 80 03 26 1305 | | | .3 | 1 | 18 | 0.114 |
| 80 04 29 1315 | | | .3 | 1 | 16 | 0.077 |
| 80 05 28 1200 | | | .3 | 1 | 16 | 0.072 |
| 80 06 26 1055 | | | .3 | 1 | 18 | 0.086 |
| 80 07 30 1155 | | | .3 | 1 | 14 | 0.142 |
| 80 08 21 1000 | | | .3 | 1 | 12 | 0.070 |
| 80 09 04 1110 | | | .3 | 1 | 12 | 0.139 |
| 80 10 20 1110 | | | .3 | 1 | 12 | 0.114 |
| 80 11 24 1120 | | | .3 | 1 | 31 | 0.069 |
| 80 12 09 1200 | | | .3 | 1 | 28 | 0.112 |
| **MAXIMUM** | | | | | **36** | **0.142** |
| **ARITH MEAN** | | | | | **19L** | **0.093** |
| **GEOM MEAN** | | | | | **17L** | **0.089** |
| **MINIMUM** | | | | | **10<** | **0.062** |
| **STD DEV** | | | | | **8L** | **0.029** |
| **NO OF SAMPLES** | | | | | **12** | **12** |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **BIG CREEK**
SAMPLE POINT: **AT WILLIAM STREET DELHI**
STATION TYPE: **RIVER FLOW GAUGE FED 02GC006**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **BIG CREEK**

STATION ID: **16-0124-009-02**
STORET CODE: **02**
**003**
**2870**

LAT:
LONG:
U T M: **17 0540150.0 4744100.0 4**
REGION: **02**
DISTANCE: **48.440**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 28 1258 | | | .3 | 1 | 28330 | 6 | 3.500 | 1000 | 2700 | 96 | 92 | 1.7 | 14.4 | 0.6 |
| 80 02 28 1242 | | | .3 | 1 | 28363 | 6 | 2.550 | 280C | 10600 | 24 | 56 | 1.5 | 13.7 | 1.6 |
| 80 03 26 1230 | | | 3 | 1 | 28419 | 3 | 10.100 | 2700 | 17000 | 10I | 260 | 5.0 | 12.5 | 0.6 |
| 80 04 29 1225 | | | 3 | 1 | 28490 | 3 | 7.080 | 110000 | 1100000 | 2300 | 1700 | 9.0 | 9.6 | 1.0 |
| 80 05 28 1125 | | | .3 | 1 | 28541 | 6 | 2.630 | 500C | 3900 | 10< | 10I | 15.0 | 8.1 | 0.8 |
| 80 06 26 1020 | | | .3 | 1 | 28585 | 6 | 1.940 | 580 | 4800 | 30I | 60I | 20.0 | 7.1 | 0.6 |
| 80 07 07 1405 | | | .3 | 1 | 80053 | 6 | 2.130 | | | | | 19.5 | 9.1 | |
| 80 07 08 0130 | | | .3 | 1 | 80052 | 6 | 2.450 | | | | | 19.0 | 7.9 | |
| 80 07 30 1115 | | | 3 | 1 | 28629 | 6 | 2.950 | 1500 | 24000 | 160I | 100I | 20.5 | 8.1 | 0.6 |
| 80 08 21 0920 | | | .3 | 1 | 28673 | 6 | 1.420 | 1400C | 32000 | 150 | 390 | 18.0 | 5.5 | 0.8 |
| 80 09 04 1030 | | | .3 | 1 | 28716 | 6 | 2.660 | 4100 | 21000 | 290 | 910 | 20.0 | 10.2 | 0.2 |
| 80 10 20 1025 | | | 3 | 1 | 28729 | 6 | 4.460 | 1900 | 18000 | 100 | 260 | 9.5 | 9.6 | 0.4 |
| 80 11 24 1040 | | | 3 | 1 | 28809 | 6 | 2.580 | 2500 | 9000 | 30I | 60I | 7.5 | 11.2 | 0.6 |
| 80 12 09 1100 | | | 3 | 1 | 28840 | 6 | 6.520 | 8700C | 37000 | 290 | 220 | 5.0 | 11.8 | 0.2< |
| MAXIMUM | | | | | | | 10.100 | 110000 | 1100000 | 2300 | 1700 | 20.5 | 14.4 | 1.6 |
| ARITH MEAN | | | | | | | 3.784 | 11263 | 106667 | 291L | 343 | 12.2 | 9.9 | 0.7L |
| GEOM MEAN | | | | | | | 3.243 | 2127 | 17735 | 82L | 153 | 9.2 | 9.6 | 0.6L |
| MINIMUM | | | | | | | 1.420 | 280 | 2700 | 10< | 10 | 1.5 | 5.5 | 0.2< |
| STD DEV | | | | | | | 2.458 | 31179 | 313010 | 641L | 493 | 7.3 | 2.6 | 0.4L |
| NO OF SAMPLES | | | | | | | 14 | 12 | 12 | 12 | 12 | 14 | 14 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 28 1258 | | | 3 | 1 | 0.017 | 0.007 | 0.250 | 0.620 | 0.010 | 2.890 | 3.150 | 0.370 | 3.520 | 393.0 |
| 80 02 28 1242 | | | .3 | 1 | 0.071 | 0.018 | 0.390 | 1.150 | 0.023 | 2.480 | 2.893 | 0.760 | 3.653 | 363.0 |
| 80 03 26 1230 | | | 3 | 1 | 0.087 | 0.030 | 0.142 | 0.750 | 0.028 | 2.270 | 2.440 | 0.608 | 3.048 | 352.0 |
| 80 04 29 1225 | | | 3 | 1 | 0.055 | 0.014 | 0.156 | 0.730 | 0.013 | 1.640 | 1.809 | 0.574 | 2.383 | 227.0 |
| 80 05 28 1125 | | | 3 | 1 | 0.018 | 0.002 | 0.140 | 0.500 | 0.012 | 1.440 | 1.592 | 0.360 | 1.952 | 385.0 |
| 80 06 26 1020 | | | .3 | 1 | 0.024 | 0.001 | 0.020 | 0.400 | 0.013 | 1.540 | 1.573 | 0.380 | 1.953 | 401.0 |
| 80 07 07 1405 | | | .3 | 1 | 0.026 | 0.003 | 0.136 | 0.540 | 0.033 | 1.920 | 2.089 | 0.404 | 2.493 | |
| 80 07 08 0130 | | | .3 | 1 | 0.042 | 0.004 | 0.090 | 0.540 | 0.028 | 1.770 | 1.888 | 0.450 | 2.338 | |
| 80 07 30 1115 | | | 3 | 1 | 0.032 | 0.010 | 0.113 | 0.450 | 0.028 | 1.550 | 1.691 | 0.337 | 2.028 | 372.0 |
| 80 08 21 0920 | | | 3 | 1 | 0.036 | 0.002 | 0.040 | 0.39 | 0.013 | 0.047 | 0.100 | 0.350 | 0.450 | 373 |
| 80 09 04 1030 | | | 3 | 1 | 0.029 | 0.009 | 0.034 | 0.36 | 0.022 | 1.78 | 1.836 | 0.326 | 2.162 | 366 |
| 80 10 20 1025 | | | 3 | 1 | 0.035 | 0.006 | 0.048 | 0.530 | 0.018 | 2.380 | 2.446 | 0.482 | 2.928 | 354.0 |
| 80 11 24 1040 | | | 3 | 1 | 0.010 | 0.002 | 0.152 | 0.420 | 0.013 | 2.190 | 2.355 | 0.268 | 2.623 | 381.0 |
| 80 12 09 1100 | | | 3 | 1 | 0.035 | 0.010 | 0.124 | 0.660 | 0.019 | 3.980 | 4.123 | 0.536 | 4.659 | 378.0 |
| MAXIMUM | | | | | 0.087 | 0.030 | 0.390 | 1.150 | 0.033 | 3.980 | 4.123 | 0.760 | 4.659 | 401.0 |
| ARITH MEAN | | | | | 0.037 | 0.008 | 0.131 | 0.57 | 0.019 | 1.99 | 2.142 | 0.443 | 2.585 | 362 |
| GEOM MEAN | | | | | 0.032 | 0.006 | 0.100 | 0.54 | 0.018 | 1.56 | 1.769 | 0.426 | 2.339 | 358 |
| MINIMUM | | | | | 0.010 | 0.001 | 0.020 | 0.36 | 0.010 | 0.047 | 0.100 | 0.268 | 0.450 | 227.0 |
| STD DEV | | | | | 0.021 | 0.008 | 0.097 | 0.20 | 0.008 | 0.87 | 0.920 | 0.135 | 0.985 | 45 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 28 1258 | | | .3 | 1 | 3.0 | 389.0 | 600.0 | 2.50 | 14.000 | 8.13 | |
| 80 02 28 1242 | | | 3 | 1 | 6.0 | 357.0 | 620.0 | 4.70 | 15.500 | 8.23 | |
| 80 03 26 1230 | | | 3 | 1 | 26.0 | 326.0 | 430.0 | 22.00 | 10.000 | 8.11 | |
| 80 04 29 1225 | | | .3 | 1 | 11.0 | 216.0 | 500.0 | 5.00 | 11.500 | 8.07 | |
| 80 05 28 1125 | | | 3 | 1 | 4.0 | 381.0 | 550.0 | 2.20 | 11.500 | 8.39 | |
| 80 06 26 1020 | | | .3 | 1 | 7.0 | 394.0 | 500.0 | 3.80 | 12.000 | 8.08 | |
| 80 07 07 1405 | | | 3 | 1 | | | 550.0 | | | 8.33 | |
| 80 07 08 0130 | | | .3 | 1 | | | 550.0 | | | 8.14 | 8.2 |
| 80 07 30 1115 | | | .3 | 1 | 14.0 | 358.0 | 500.0 | 2.50 | 11.500 | 8.32 | 7.9 |
| 80 08 21 0920 | | | .3 | 1 | 21 | 352 | 550 | 5.5 | 11.0 | 8.85 | 7.9 |
| 80 09 04 1030 | | | 3 | 1 | 23 | 343 | 520 | 3.4 | 11.5 | 8.29 | 7.5 |
| 80 10 20 1025 | | | 3 | 1 | 9.0 | 345.0 | 540.0 | 3.00 | 13.500 | 8.27 | 7.9 |
| 80 11 24 1040 | | | 3 | 1 | 3.0 | 378.0 | 580.0 | 1.30 | 13.000 | 8.21 | 7.65 |
| 80 12 09 1100 | | | .3 | 1 | 12.0 | 366.0 | 580.0 | 3.60 | 15.500 | 8.22 | 8.0 |
| MAXIMUM | | | | | 26.0 | 394.0 | 620.0 | 22.00 | 15.500 | 8.85 | 8.2 |
| ARITH MEAN | | | | | 11 | 350 | 540 | 4.9 | 12.5 | 8.26 | 7.8 |
| GEOM MEAN | | | | | 9 | 346 | 538 | 3.7 | 12.4 | 8.26 | 7.8 |
| MINIMUM | | | | | 3.0 | 216.0 | 430.0 | 1.30 | 10.000 | 8.07 | 7.5 |
| STD DEV | | | | | 8 | 46 | 48 | 5.5 | 1.7 | 0.20 | 0.2 |
| NO OF SAMPLES | | | | | 12 | 12 | 14 | 12 | 12 | 14 | 7 |

B O W / SITE **DEDRICH CREEK**
SAMPLE POINT **AT FRONT ROAD WALSINGHAM SOUTH TOWNSHIP**
STATION TYPE **RIVER FLOW GAUGE FED 02GC013**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ERIE**
TERM STREAM **DEDRICH CREEK**

STATION ID **16-0126-001-02**
STORET CODE **02**
**003**
**1080**

LAT
LONG
U T M **17 0544225.0 4717790.0 4**
REGION **02**
DISTANCE **0.986**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 28 1350 | | | .3 | 1 | 28332 | 4 | 0.550 | 820 | 2800 | 52 | 36 | 1.0 | 14.8 | 0.4 |
| 80 02 28 1330 | | | .3 | 1 | 28365 | 4 | 0.490 | 180I | 2000 | 8 | 16 | 1.1 | 13.3 | 0.6 |
| 80 03 26 1315 | | | .3 | 1 | 28421 | 3 | 2.250 | 4300 | 22000 | 300 | 220 | 4.5 | 12.1 | 0.4 |
| 80 04 29 1325 | | | .3 | 1 | 28492 | 3 | 2.050 | 1900 | 15500 | 70I | 280 | 9.5 | 9.2 | 0.8 |
| 80 05 28 1210 | | | .3 | 1 | 28543 | 6 | 0.685 | 240C | 7100 | 30I | 10< | 17.0 | 7.5 | 0.4 |
| 80 06 26 1105 | | | .3 | 1 | 28587 | 6 | 0.436 | 500C | 24000 | 120 | 210 | 23.0 | 6.6 | 0.8 |
| 80 07 07 1505 | | | .3 | 1 | 80057 | 8 | 0.350 | | | | | 21.5 | 8.2 | |
| 80 07 08 0310 | | | .3 | 1 | 80056 | 8 | 1.610 | | | | | 20.0 | 7.3 | |
| 80 07 30 1200 | | | .3 | 1 | 28631 | 6 | 2.610 | 19000 | 180000 | 580 | 1240 | 21.0 | 7.6 | 0.8 |
| 80 08 21 1005 | | | .3 | 1 | 28675 | 6 | 0.306 | 2100 | 25000 | 220 | 540 | 20.5 | 5.1 | 0.6 |
| 80 09 04 1120 | | | .3 | 1 | 28718 | 6 | 1.560 | 18000 | 110000 | 640 | 1500> | 21.0 | 8.6 | 1.0 |
| 80 10 20 1120 | | | .3 | 1 | 28731 | 6 | 1.290 | 2400 | 25000 | 100I | 300I | 10.0 | 8.6 | 1.2 |
| 80 11 24 1130 | | | .3 | 1 | 28811 | 5 | 0.595 | 500I | 6100 | 50I | 120 | 7.0 | 11.0 | 0.6 |
| 80 12 09 1210 | | | .3 | 1 | 28842 | 5 | 2.210 | 46000C | 420000 | 190 | 1500> | 5.0 | 11.8 | 1.4 |
| MAXIMUM | | | | | | | 2.610 | 46000 | 420000 | 640 | 1500> | 23.0 | 14.8 | 1.4 |
| ARITH MEAN | | | | | | | 1.214 | 7995 | 69958 | 197 | 4988 | 13.0 | 9.4 | 0.7 |
| GEOM MEAN | | | | | | | 0.943 | 2057 | 21600 | 108 | 2008 | 9.1 | 9.0 | 0.7 |
| MINIMUM | | | | | | | 0.306 | 180 | 2000 | 8 | 10< | 1.0 | 5.1 | 0.4 |
| STD DEV | | | | | | | 0.823 | 13710 | 122407 | 211 | 6758 | 8.3 | 2.8 | 0.3 |
| NO OF SAMPLES | | | | | | | 14 | 12 | 12 | 12 | 12 | 14 | 14 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 28 1350 | | | .3 | 1 | 0.018 | 0.007 | 0.038 | 0.310 | 0.009 | 1.500 | 1.547 | 0.272 | 1.819 | 289.0 |
| 80 02 28 1330 | | | .3 | 1 | 0.039 | 0.009 | 0.046 | 0.300 | 0.010 | 1.190 | 1.246 | 0.254 | 1.500 | 312.0 |
| 80 03 26 1315 | | | .3 | 1 | 0.075 | 0.017 | 0.052 | 0.500 | 0.018 | 1.830 | 1.900 | 0.448 | 2.348 | 262.0 |
| 80 04 29 1325 | | | .3 | 1 | 0.065 | 0.004 | 0.018 | 0.570 | 0.012 | 1.090 | 1.120 | 0.552 | 1.672 | 302.0 |
| 80 05 28 1210 | | | .3 | 1 | 0.036 | 0.008 | 0.052 | 0.420 | 0.013 | 0.712 | 0.777 | 0.368 | 1.145 | 289.0 |
| 80 06 26 1105 | | | .3 | 1 | 0.078 | 0.010 | 0.048 | 0.450 | 0.018 | 0.752 | 0.818 | 0.402 | 1.220 | 309.0 |
| 80 07 07 1505 | | | .3 | 1 | 0.068 | 0.016 | 0.058 | 0.470 | 0.030 | 0.745 | 0.833 | 0.412 | 1.245 | |
| 80 07 08 0310 | | | .3 | 1 | 0.104 | 0.021 | 0.052 | 0.53 | 0.025 | 0.715 | 0.792 | 0.478 | 1.270 | |
| 80 07 30 1200 | | | .3 | 1 | 0.115 | 0.027 | 0.054 | 0.750 | 0.029 | 1.610 | 1.693 | 0.696 | 2.389 | 311.0 |
| 80 08 21 1005 | | | .3 | 1 | 0.050 | 0.011 | 0.028 | 0.35 | 0.009 | 0.061 | 0.098 | 0.322 | 0.420 | 301 |
| 80 09 04 1120 | | | .3 | 1 | 0.240 | 0.041 | 0.046 | 0.85 | 0.050 | 1.15 | 1.246 | 0.804 | 2.050 | 325 |
| 80 10 20 1120 | | | .3 | 1 | 0.065 | 0.015 | 0.036 | 0.520 | 0.014 | 1.690 | 1.740 | 0.484 | 2.224 | 317.0 |
| 80 11 24 1130 | | | .3 | 1 | 0.014 | 0.004 | 0.032 | 0.250 | 0.009 | 1.100 | 1.141 | 0.218 | 1.359 | 294.0 |
| 80 12 09 1210 | | | .3 | 1 | 0.108 | 0.032 | 0.014 | 0.780 | 0.026 | 3.070 | 3.110 | 0.766 | 3.876 | 352.0 |
| MAXIMUM | | | | | 0.240 | 0.041 | 0.058 | 0.85 | 0.050 | 3.070 | 3.110 | 0.804 | 3.876 | 352.0 |
| ARITH MEAN | | | | | 0.077 | 0.016 | 0.041 | 0.50 | 0.019 | 1.23 | 1.290 | 0.463 | 1.753 | 305 |
| GEOM MEAN | | | | | 0.061 | 0.013 | 0.038 | 0.47 | 0.017 | 0.97 | 1.068 | 0.429 | 1.573 | 304 |
| MINIMUM | | | | | 0.014 | 0.004 | 0.014 | 0.250 | 0.009 | 0.061 | 0.098 | 0.218 | 0.420 | 282.0 |
| STD DEV | | | | | 0.056 | 0.011 | 0.014 | 0.18 | 0.012 | 0.71 | 0.709 | 0.185 | 0.819 | 22 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'TY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 28 1350 | | | .3 | 1 | 6.0 | 283.0 | 485.0 | 5.80 | 9.800 | 7.98 | |
| 80 02 28 1330 | | | .3 | 1 | 13.0 | 299.0 | 445.0 | 7.80 | 13.000 | 8.08 | |
| 80 03 26 1315 | | | .3 | 1 | 34.0 | 228.000 | 350.0 | 23.00 | 9.200 | 8.01 | |
| 80 04 29 1325 | | | .3 | 1 | 35.0 | 267.000 | 410.0 | 17.00 | 10.500 | 7.96 | |
| 80 05 28 1210 | | | .3 | 1 | 13.0 | 276.000 | 425.0 | 9.20 | 11.000 | 8.22 | |
| 80 06 26 1105 | | | .3 | 1 | 36.0 | 273.000 | 420.0 | 27.00 | 12.000 | 8.10 | |
| 80 07 07 1505 | | | .3 | 1 | | | 420.0 | | | 8.19 | |
| 80 07 08 0310 | | | .3 | 1 | | | 415 | | | 7.83 | 8.2 |
| 80 07 30 1200 | | | .3 | 1 | 54.0 | 257.000 | 395.0 | 26.00 | 8.250 | 8.01 | 7.7 |
| 80 08 21 1005 | | | .3 | 1 | 21 | 280 | 430 | 14 | 11.5 | 8.23 | 8.0 |
| 80 09 04 1120 | | | .3 | 1 | 58 | 267 | 410 | 35 | 9.00 | 8.02 | 7.3 |
| 80 10 20 1120 | | | .3 | 1 | 25.0 | 292.0 | 470.0 | 14.00 | 11.500 | 8.24 | 7.6 |
| 80 11 24 1130 | | | .3 | 1 | 6.0 | 288.0 | 460.0 | 4.70 | 11.500 | 8.13 | 7.65 |
| 80 12 09 1210 | | | .3 | 1 | 50.0 | 302.0 | 465.0 | 41.00 | 13.500 | 8.03 | 7.8 |
| MAXIMUM | | | | | 58 | 302.0 | 485.0 | 41.00 | 13.500 | 8.24 | 8.2 |
| ARITH MEAN | | | | | 29 | 276 | 428 | 18 | 10.8 | 8.07 | 7.7 |
| GEOM MEAN | | | | | 23 | 275 | 427 | 15 | 10.7 | 8.07 | 7.7 |
| MINIMUM | | | | | 6.0 | 228.000 | 350.0 | 4.70 | 8.250 | 7.83 | 7.3 |
| STD DEV | | | | | 18 | 20 | 34 | 11 | 1.6 | 0.12 | 0.2 |
| NO OF SAMPLES | | | | | 12 | 12 | 14 | 12 | 12 | 14 | 7 |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./SITE: **LYNN RIVER**
SAMPLE POINT: **AT HIGHWAY 6 PORT DOVER**
STATION TYPE: **RIVER FLOW GAUGE MOE 02GC102**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **LYNN RIVER**

STATION ID: **16-0159-001-02**
STORET CODE: **02**
**003**
**0050**

LAT: LONG: U.T.M.: **17 0565600.0 4737100.0 4** REGION: **02** DISTANCE: **0.844**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 28 1525 | | | .3 | 1 | 28335 | 4 | 680 | 5200 | 36 | 32 | 1.3 | 14.4 | 0.4 | 0.043 |
| 80 02 28 1508 | | | .3 | 1 | 28368 | 4 | 760C | 16000 | 88 | 132 | 2.1 | 13.0 | 1.2 | 0.074 |
| 80 03 26 1350 | | | .3 | 1 | 28424 | 3 9 | 11500C | 90000 | 70I | 1500> | 5.0 | 12.3 | 1.4 | 1.680 |
| 80 04 29 1455 | | | .3 | 1 | 28495 | 3 9 | 2600 | 29000 | 510 | 1800 | 10.5 | 8.9 | 1.2 | 0.081 |
| 80 05 28 1540 | | | .3 | 1 | 28546 | 6 | 590C | 2700 | 140 | 50I | 19.5 | 7.6 | 1.2 | 0.072 |
| 80 06 26 1310 | | | .3 | 1 | 28590 | 6 | 11700 | 18000 | 1430 | 280 | 24.0 | 7.3 | 1.4 | 0.077 |
| 80 07 07 1635 | | | .3 | 1 | 80063 | 6 | | | | | 22.5 | 8.5 | | 0.087 |
| 80 07 08 0400 | | | .3 | 1 | 80062 | 6 | | | | | 21.0 | 6.9 | | 0.151 |
| 80 07 30 1435 | | | .3 | 1 | 28634 | 6 | 9000 | 350000 | 1660 | 260 | 25.0 | 8.0 | 1.4 | 0.102 |
| 80 08 21 1135 | | | .3 | 1 | 28678 | 6 | 2000C | 46000 | 420 | 50I | 22.0 | 6.5 | 0.6 | 0.088 |
| 80 09 04 1300 | | | .3 | 1 | 28721 | 6 | 120000C | 470000 | 1500> | 1500> | 24.0 | 8.3 | 1.4 | 0.178 |
| 80 10 20 1245 | | | .3 | 1 | 28734 | 6 | 14000 | 28000 | 140 | 130 | 10.5 | 8.8 | 1.2 | 0.082 |
| 80 11 24 1310 | | | .3 | 1 | 28814 | 6 | 500I | 5100 | 70I | 20I | 6.5 | 10.8 | 0.4 | 0.028 |
| 80 12 09 1315 | | | .3 | 1 | 28845 | 6 9 | 44000C | 290000 | 1280 | 1500> | 4.0 | 11.4 | 1.2 | 0.108 |
| MAXIMUM | | | | | | | 120000 | 470000 | 1660> | 1800> | 25.0 | 14.4 | 1.4 | 1.680 |
| ARITH MEAN | | | | | | | 18111 | 112500 | 612G | 604G | 14.1 | 9.5 | 1.1 | 0.204 |
| GEOM MEAN | | | | | | | 4511 | 34937 | 286G | 219G | 10.1 | 9.2 | 1.0 | 0.102 |
| MINIMUM | | | | | | | 500 | 2700 | 36 | 20 | 1.3 | 6.5 | 0.4 | 0.028 |
| STD DEV | | | | | | | 34323 | 161838 | 653G | 726G | 9.2 | 2.5 | 0.4 | 0.427 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 14 | 14 | 12 | 14 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 28 1525 | | | .3 | 1 | 0.017 | 0.086 | 0.440 | 0.011 | 2.440 | 2.537 | 0.354 | 2.891 | 410.00 | 14.00 |
| 80 02 28 1508 | | | .3 | 1 | 0.030 | 0.242 | 0.880 | 0.029 | 2.720 | 2.991 | 0.638 | 3.629 | 387.00 | 6.00 |
| 80 03 26 1350 | | | .3 | 1 | 0.047 | 0.146 | 1.030 | 0.037 | 2.460 | 2.643 | 0.884 | 3.527 | 363.00 | 44.00 |
| 80 04 29 1455 | | | .3 | 1 | 0.009 | 0.098 | 0.730 | 0.016 | 1.480 | 1.594 | 0.632 | 2.226 | 386 | 33.00 |
| 80 05 28 1540 | | | .3 | 1 | 0.014 | 0.098 | 0.650 | 0.056 | 1.340 | 1.494 | 0.552 | 2.046 | 377.00 | 15.00 |
| 80 06 26 1310 | | | .3 | 1 | 0.003 | 0.056 | 0.700 | 0.039 | 1.510 | 1.605 | 0.644 | 2.249 | 343.00 | 14.00 |
| 80 07 07 1635 | | | .3 | 1 | 0.005 | 0.130 | 0.690 | 0.054 | 1.500 | 1.684 | 0.560 | 2.244 | | |
| 80 07 08 0400 | | | .3 | 1 | 0.013 | 0.136 | 0.77 | 0.042 | 1.16 | 1.338 | 0.634 | 1.972 | | |
| 80 07 30 1435 | | | .3 | 1 | 0.014 | 0.113 | 0.720 | 0.051 | 1.530 | 1.694 | 0.607 | 2.301 | 389.00 | 24.00 |
| 80 08 21 1135 | | | .3 | 1 | 0.006 | 0.114 | 0.72 | 0.033 | 1.58 | 1.727 | 0.606 | 2.333 | 398 | 27 |
| 80 09 04 1300 | | | .3 | 1 | 0.069 | 0.268 | 0.90 | 0.120 | 1.08 | 1.468 | 0.632 | 2.100 | 319 | 30 |
| 80 10 20 1245 | | | .3 | 1 | 0.026 | 0.088 | 0.550 | 0.027 | 1.870 | 1.985 | 0.462 | 2.447 | 421.00 | 17.00 |
| 80 11 24 1310 | | | .3 | 1 | 0.004 | 0.104 | 0.450 | 0.022 | 2.730 | 2.856 | 0.346 | 3.202 | 401.00 | 5.00 |
| 80 12 09 1315 | | | .3 | 1 | 0.045 | 0.284 | 1.200 | 0.034 | 3.870 | 4.188 | 0.916 | 5.104 | 418.00 | 32.00 |
| MAXIMUM | | | | | 0.069 | 0.284 | 1.200 | 0.120 | 3.870 | 4.188 | 0.916 | 5.104 | 421.00 | 44.00 |
| ARITH MEAN | | | | | 0.022 | 0.140 | 0.74 | 0.041 | 1.94 | 2.129 | 0.605 | 2.734 | 384 | 21 |
| GEOM MEAN | | | | | 0.014 | 0.126 | 0.71 | 0.036 | 1.82 | 2.010 | 0.584 | 2.630 | 383 | 18 |
| MINIMUM | | | | | 0.003 | 0.056 | 0.440 | 0.011 | 1.08 | 1.338 | 0.346 | 1.972 | 319 | 5.00 |
| STD DEV | | | | | 0.020 | 0.072 | 0.20 | 0.026 | 0.78 | 0.810 | 0.180 | 0.873 | 30 | 11 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FWPH | PHNOL | FEUT | COLAP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | COLOUR APPARENT HZU |
| 80 01 28 1525 | | | .3 | 1 | 396.00 | 620.0 | 8.20 | 33.500 | 72.000 | 8.17 | | 1.000< | 0.620 | 26.000 |
| 80 02 28 1508 | | | .3 | 1 | 381.00 | 555.0 | 5.80 | 30.000 | 66.000 | 8.30 | | 2.000 | 0.490 | 35.000 |
| 80 03 26 1350 | | | .3 | 1 | 319.00 | 430.0 | 48.00 | 17.500 | 47.000 | 8.12 | | 1.000< | 3.400 | 63.000 |
| 80 04 29 1455 | | | .3 | 1 | 353.00 | 550.0 | 24.00 | 24.500 | 55.500 | 8.12 | | 1.000< | 1.600 | 70.000> |
| 80 05 28 1540 | | | .3 | 1 | 362.00 | 550.0 | 8.60 | 26.000 | 59.000 | 8.33 | | 1.000< | 0.800 | 16.000 |
| 80 06 26 1310 | | | .3 | 1 | 329.00 | 470.0 | 8.90 | 28.000 | 52.500 | 8.25 | | 1.000< | 0.720 | 9.000 |
| 80 07 07 1635 | | | .3 | 1 | | 550.0 | | | | 8.19 | | | | |
| 80 07 08 0400 | | | .3 | 1 | | 475 | | | | 8.03 | 8.1 | | | |
| 80 07 30 1435 | | | .3 | 1 | 365.00 | 550.0 | 9.80 | 30.500 | 55.500 | 8.18 | 8.0 | 1.000< | 0.920 | 14 |
| 80 08 21 1135 | | | .3 | 1 | 371 | 550 | 12 | 33.0 | 61 | 8.25 | 8.2 | 1 < | 0.89 | 26 |
| 80 09 04 1300 | | | .3 | 1 | 289 | 465 | 20 | 26.0 | 49.5 | 7.87 | 7.2 | 1 < | 2.4 | 26 |
| 80 10 20 1245 | | | .3 | 1 | 404.00 | 640.0 | 10.00 | 47.500 | 78.000 | 8.17 | 8.1 | 1.000< | 0.920 | 36.000 |
| 80 11 24 1310 | | | .3 | 1 | 396.00 | 640.0 | 3.30 | 38.000 | 71.500 | 8.18 | 8.2 | 1.000 | 0.310 | 17.000 |
| 80 12 09 1315 | | | .3 | 1 | 386.00 | 600.0 | 26.00 | 31.500 | 70.500 | 8.05 | 8.0 | 1.000< | 1.600 | 70.000> |
| MAXIMUM | | | | | 404.00 | 640.0 | 48.00 | 47.500 | 78.000 | 8.33 | 8.2 | 2.000 | 3.400 | 70.000> |
| ARITH MEAN | | | | | 362 | 546 | 15 | 30.5 | 61 | 8.16 | 8.0 | 1 L | 1.2 | 34 G |
| GEOM MEAN | | | | | 360 | 542 | 11 | 29.6 | 60 | 8.16 | 8.0 | 1 L | 0.9 | 28 G |
| MINIMUM | | | | | 289 | 430.0 | 3.30 | 17.500 | 47.000 | 7.87 | 7.2 | 1.000< | 0.310 | 9.000 |
| STD DEV | | | | | 34 | 66 | 12 | 7.4 | 9 | 0.12 | 0.3 | 0 L | 0.8 | 21 G |
| NO OF SAMPLES | | | | | 12 | 14 | 12 | 12 | 12 | 14 | 7 | 12 | 12 | 12 |

| TEST-NAME: | | | | | COD | MNUT |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHEM. OX DEMAND MG/L AS O | MANGANSE UNF.TOT. MG/L AS MN |
| 80 01 28 1525 | | | .3 | 1 | 28 | 0.048 |
| 80 02 28 1508 | | | .3 | 1 | 10< | 0.049 |
| 80 03 26 1350 | | | .3 | 1 | 22 | 0.083 |
| 80 04 29 1455 | | | .3 | 1 | 40 | 0.086 |
| 80 05 28 1540 | | | .3 | 1 | 12 | 0.086 |
| 80 06 26 1310 | | | .3 | 1 | 20 | 0.063 |
| 80 07 30 1435 | | | .3 | 1 | 16 | 0.080 |
| 80 08 21 1135 | | | .3 | 1 | 16 | 0.078 |
| 80 09 04 1300 | | | .3 | 1 | 10< | 0.141 |
| 80 10 20 1245 | | | .3 | 1 | 17 | 0.080 |
| 80 11 24 1310 | | | .3 | 1 | 43 | 0.033 |
| 80 12 09 1315 | | | .3 | 1 | 26 | 0.074 |
| MAXIMUM | | | | | 43 | 0.141 |
| ARITH MEAN | | | | | 22L | 0.075 |
| GEOM MEAN | | | | | 19L | 0.071 |
| MINIMUM | | | | | 10< | 0.033 |
| STD DEV | | | | | 11L | 0.027 |
| NO OF SAMPLES | | | | | 12 | 12 |

| | | | |
|---|---|---|---|
| B.O.W./ SITE: **LYNN RIVER** | | STATION ID: **16-0159-002-02** | |
| SAMPLE POINT: **AT LYNN VALLEY RD. DISTR. OF SIMCOE STP** | | | |
| STATION TYPE: **RIVER FLOW GAUGE FED 02GC008** | MAJOR BASIN: **GREAT LAKES** | STORET CODE: **02** | |
| | MINOR BASIN: **LAKE ERIE** | **003** | |
| | TERM STREAM: **LYNN RIVER** | **0850** | |
| LAT: | LONG: | U.T.M. **17 0559000.0 4740050.0 4** | REGION **02** DISTANCE **9.012** |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 28 1510 | | | .3 | 1 | 28333 | 6 | 1.530 | 80I | 2800 | 10< | 20< | 2.1 | 14.6 | 0.4 |
| 80 02 28 1404 | | | .3 | 1 | 28366 | 6 | 1.340 | 20I | 460 | 10< | 10< | 3.5 | 14.2 | 0.6 |
| 80 03 26 1145 | | | .3 | 1 | 28422 | 3 | 3.150 | 1700 | 11000 | 10< | 10I | 5.7 | 12.4 | 1.0 |
| 80 04 29 1405 | | | .3 | 1 | 28493 | 3 | 3.560 | 2600 | 19000 | 540 | 650 | 10.0 | 9.6 | 0.8 |
| 80 05 28 1240 | | | .3 | 1 | 28544 | 6 | 1.710 | 700C | 8000 | 150 | 10< | 16.0 | 7.9 | 1.0 |
| 80 06 26 1140 | | | .3 | 1 | 28588 | 6 | 1.220 | 1140C | 48000 | 210 | 152 | 23.0 | 7.4 | 1.4 |
| 80 07 07 1545 | | | .3 | 1 | 80059 | 6 | 1.150 | | | | | 20.5 | 8.5 | |
| 80 07 08 0335 | | | .3 | 1 | 80058 | 6 | 1.200 | | | | | 19.0 | 7.5 | |
| 80 07 30 1230 | | | .3 | 1 | 28632 | 6 | 1.360 | 4100I | 31000 | 660 | 300 | 21.5 | 8.1 | 1.4 |
| 80 08 21 1035 | | | .3 | 1 | 28676 | 6 | 0.871 | 4900C | 28000 | 570 | 800 | 20.0 | 6.2 | 0.8 |
| 80 09 04 1155 | | | .3 | 1 | 28719 | 6 | 2.130 | 17000 | 270000 | 930 | 3000> | 22.0 | 8.9 | 1.8 |
| 80 10 20 1150 | | | .3 | 1 | 28732 | 6 | 1.660 | 2500 | 10000 | 150 | 400I | 9.0 | 9.5 | 0.6 |
| 80 11 24 1200 | | | .3 | 1 | 28812 | 6 | 1.300 | 4300 | 14000 | 340 | 120 | 8.5 | 11.7 | 0.8 |
| 80 12 09 1220 | | | .3 | 1 | 28843 | 6 | 2.650 | 2700C | 36000 | 90I | 590 | 6.0 | 11.0 | 0.4 |
| **MAXIMUM** | | | | | | | **3.560** | **17000** | **270000** | **930** | **3000>** | **23.0** | **14.6** | **1.8** |
| **ARITH MEAN** | | | | | | | **1.774** | **3478** | **39855** | **306L** | **505B** | **13.3** | **9.8** | **0.9** |
| **GEOM MEAN** | | | | | | | **1.633** | **1398** | **14924** | **132L** | **136B** | **10.7** | **9.5** | **0.8** |
| **MINIMUM** | | | | | | | **0.871** | **20** | **460** | **10<** | **10<** | **2.1** | **6.2** | **0.4** |
| **STD DEV** | | | | | | | **0.808** | **4554** | **73876** | **303L** | **833B** | **7.6** | **2.6** | **0.4** |
| **NO OF SAMPLES** | | | | | | | **14** | **12** | **12** | **12** | **12** | **14** | **14** | **12** |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 28 1510 | | | .3 | 1 | 0.024 | 0.010 | 0.062 | 0.410 | 0.011 | 3.040 | 3.113 | 0.348 | 3.461 | 385.0 |
| 80 02 28 1404 | | | .3 | 1 | 0.043 | 0.013 | 0.060 | 0.430 | 0.013 | 2.690 | 2.763 | 0.370 | 3.133 | 405.0 |
| 80 03 26 1145 | | | .3 | 1 | 0.085 | 0.026 | 0.096 | 0.550 | 0.024 | 2.080 | 2.200 | 0.454 | 2.654 | 373.0 |
| 80 04 29 1405 | | | .3 | 1 | 0.150 | 0.004 | 0.020 | 0.780 | 0.015 | 1.740 | 1.775 | 0.760 | 2.535 | 391.0 |
| 80 05 28 1240 | | | .3 | 1 | 0.051 | 0.014 | 0.064 | 0.730 | 0.071 | 1.830 | 1.965 | 0.666 | 2.631 | 411.0 |
| 80 06 26 1140 | | | .3 | 1 | 0.069 | 0.026 | 0.028 | 0.470 | 0.023 | 1.780 | 1.831 | 0.442 | 2.273 | 347.0 |
| 80 07 07 1545 | | | .3 | 1 | 0.057 | 0.017 | 0.044 | 0.560 | 0.028 | 3.170 | 3.242 | 0.516 | 3.758 | |
| 80 07 08 0335 | | | .3 | 1 | 0.106 | 0.013 | 0.264 | 0.94 | 0.120 | 2.23 | 2.614 | 0.676 | 3.290 | |
| 80 07 30 1230 | | | .3 | 1 | 0.092 | 0.035 | 0.089 | 0.580 | 0.054 | 1.630 | 1.773 | 0.491 | 2.264 | 394.0 |
| 80 08 21 1035 | | | .3 | 1 | 0.074 | 0.034 | 0.032 | 0.44 | 0.025 | 1.63 | 1.687 | 0.408 | 2.095 | 376 |
| 80 09 04 1155 | | | .3 | 1 | 0.138 | 0.062 | 0.160 | 0.72 | 0.170 | 1.38 | 1.710 | 0.560 | 2.270 | 372 |
| 80 10 20 1150 | | | .3 | 1 | 0.048 | 0.017 | 0.038 | 0.510 | 0.023 | 2.580 | 2.641 | 0.472 | 3.113 | 384.0 |
| 80 11 24 1200 | | | .3 | 1 | 0.022 | 0.010 | 0.032 | 0.370 | 0.014 | 2.940 | 2.986 | 0.338 | 3.324 | 375.0 |
| 80 12 09 1220 | | | .3 | 1 | 0.050 | 0.024 | 0.088 | 0.530 | 0.037 | 2.510 | 2.635 | 0.442 | 3.077 | 381.0 |
| **MAXIMUM** | | | | | **0.150** | **0.062** | **0.264** | **0.94** | **0.170** | **3.170** | **3.242** | **0.760** | **3.758** | **411.0** |
| **ARITH MEAN** | | | | | **0.072** | **0.022** | **0.077** | **0.57** | **0.045** | **2.23** | **2.352** | **0.496** | **2.848** | **382** |
| **GEOM MEAN** | | | | | **0.063** | **0.018** | **0.060** | **0.55** | **0.031** | **2.15** | **2.290** | **0.482** | **2.803** | **382** |
| **MINIMUM** | | | | | **0.022** | **0.004** | **0.020** | **0.370** | **0.011** | **1.38** | **1.687** | **0.338** | **2.095** | **347.0** |
| **STD DEV** | | | | | **0.039** | **0.015** | **0.065** | **0.16** | **0.047** | **0.59** | **0.564** | **0.128** | **0.525** | **16** |
| **NO OF SAMPLES** | | | | | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **12** |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 28 1510 | | | .3 | 1 | 4.0 | 381.0 | 600.0 | 3.00 | 34.000 | 8.16 | |
| 80 02 28 1404 | | | .3 | 1 | 4.0 | 401.0 | 600.0 | 2.60 | 33.000 | 8.26 | |
| 80 03 26 1145 | | | .3 | 1 | 18.0 | 355.0 | 520.0 | 8.10 | 22.500 | 8.10 | |
| 80 04 29 1405 | | | .3 | 1 | 35.0 | 356.0 | 550.0 | 7.50 | 27.000 | 8.05 | |
| 80 05 28 1240 | | | .3 | 1 | 9.0 | 402.0 | 550.0 | 3.80 | 26.500 | 8.31 | |
| 80 06 26 1140 | | | .3 | 1 | 13.0 | 334.0 | 500.0 | 5.30 | 27.000 | 8.20 | |
| 80 07 07 1545 | | | .3 | 1 | | | 550.0 | | | 8.31 | |
| 80 07 08 0335 | | | .3 | 1 | | | 550 | | | 8.09 | 8.1 |
| 80 07 30 1230 | | | .3 | 1 | 15.0 | 379.0 | 550.0 | 2.70 | 25.000 | 8.25 | 8.1 |
| 80 08 21 1035 | | | .3 | 1 | 9 | 367 | 550 | 2.8 | 28.0 | 8.31 | 8.1 |
| 80 09 04 1155 | | | .3 | 1 | 28 | 344 | 540 | 3.3 | 23.0 | 7.99 | 7.7 |
| 80 10 20 1150 | | | .3 | 1 | 6.0 | 378.0 | 600.0 | 1.50 | 30.000 | 8.23 | 7.6 |
| 80 11 24 1200 | | | .3 | 1 | 3.0 | 372.0 | 580.0 | 1.80 | 26.500 | 8.23 | 8.0 |
| 80 12 09 1220 | | | .3 | 1 | 9.0 | 372.0 | 580.0 | 4.30 | 26.500 | 8.18 | 8.0 |
| **MAXIMUM** | | | | | **35.0** | **402.0** | **600.0** | **8.10** | **34.000** | **8.31** | **8.1** |
| **ARITH MEAN** | | | | | **12** | **370** | **558** | **3.8** | **27.4** | **8.19** | **7.9** |
| **GEOM MEAN** | | | | | **9** | **369** | **557** | **3.4** | **27.2** | **8.19** | **7.9** |
| **MINIMUM** | | | | | **3.0** | **334.0** | **500.0** | **1.50** | **22.500** | **7.99** | **7.6** |
| **STD DEV** | | | | | **10** | **20** | **30** | **2.1** | **3.4** | **0.10** | **0.2** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **14** | **12** | **12** | **14** | **7** |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

|  |  |  |
|---|---|---|
| B.O.W / SITE: **LYNN RIVER**<br>SAMPLE POINT: **AT VICTORIA STREET SIMCOE**<br>STATION TYPE: **RIVER FLOW GAUGE FED 02GC008** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE ERIE**<br>TERM STREAM: **LYNN RIVER** | STATION ID: **16-0159-008-02**<br>STORET CODE: **02**<br>**003**<br>**0059** |
| LAT LONG: | U T M: **17 0557225.0 4742450.0 4** | REGION: **02** DISTANCE: **13.367** |

| TEST-NAME: |  |  |  |  | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 28 1500 |  |  | .3 | 1 | 28334 | 6 | 1.530 | 180C | 7200 | 20I | 20< | 2 4 | 14.0 | 0.2 |
| 80 02 28 1411 |  |  | .3 | 1 | 28367 | 6 | 1.340 | 310 | 2500 | 70I | 20I | 3.0 | 14.0 | 0.6 |
| 80 03 26 1200 |  |  | .3 | 1 | 28423 | 3 | 3.150 | 1000 | 2500 | 70I | 10I | 5.3 | 12.3 | 0.4 |
| 80 04 29 1435 |  |  | .3 | 1 | 28494 | 3 | 3.560 | 2800 | 12500 | 244 | 480 | 10.0 | 9.5 | 0.8 |
| 80 05 28 1250 |  |  | .3 | 1 | 28545 | 6 | 1.710 | 9800C | 65000 | 130 | 100 | 15.5 | 8.7 | 0.8 |
| 80 06 26 1150 |  |  | .3 | 1 | 28589 | 6 | 1.220 | 3000> | 3000 | 1500> | 700 | 21.0 | 8.0 | 1.4 |
| 80 07 07 1555 |  |  | .3 | 1 | 80061 | 7 | 1 150 |  |  |  |  | 20.0 | 10.5 |  |
| 80 07 08 0345 |  |  | .3 | 1 | 80060 | 7 | 1 200 |  |  |  |  | 19.0 | 8.0 |  |
| 80 07 30 1250 |  |  | .3 | 1 | 28633 | 7 9 | 1 360 | 4800I | 33000 | 1280 | 1600 | 21.5 | 8.8 | 1.2 |
| 80 08 21 1050 |  |  | .3 | 1 | 28677 | 7 | 0.871 | 8400C | 32000 | 1330 | 1000 | 19.5 | 6.5 | 1.0 |
| 80 09 04 1205 |  |  | .3 | 1 | 28720 | 6 | 2.130 | 150000> | 150000 | 3000> | 3000> | 21.5 | 10.0 |  |
| 80 10 20 1200 |  |  | .3 | 1 | 28733 | 6 | 1.660 | 6800C | 50000 | 100 | 450 | 8.5 | 9.8 | 0.6 |
| 80 11 24 1210 |  |  | .3 | 1 | 28813 | 6 | 1.300 | 4400 | 12000 | 210 | 40I | 8.5 | 10.2 | 0.6 |
| 80 12 09 1255 |  |  | .3 | 1 | 28844 | 6 | 2.650 | 17000 | 92000 | 200 | 830 | 5.5 | 10.8 | 0.2 |
| **MAXIMUM** |  |  |  |  |  |  | **3.560** | **150000>** | **150000** | **3000>** | **3000>** | **21.5** | **14.0** | **1.4** |
| **ARITH MEAN** |  |  |  |  |  |  | **1.774** | **17374G** | **38475** | **679G** | **687B** | **12.9** | **10.1** | **0.7** |
| **GEOM MEAN** |  |  |  |  |  |  | **1.633** | **3943G** | **17721** | **261G** | **215B** | **10.4** | **9.9** | **0.6** |
| **MINIMUM** |  |  |  |  |  |  | **0.871** | **180** | **2500** | **20** | **10<** | **2.4** | **6.5** | **0.2** |
| **STD DEV** |  |  |  |  |  |  | **0.808** | **42039G** | **45138** | **919G** | **880B** | **7.4** | **2.2** | **0.4** |
| **NO OF SAMPLES** |  |  |  |  |  |  | **14** | **12** | **12** | **12** | **12** | **14** | **14** | **11** |

| TEST-NAME: |  |  |  |  | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 28 1500 |  |  | .3 | 1 | 0.014 | 0.005 | 0 064 | 0 370 | 0.011 | 1.790 | 1.865 | 0.306 | 2 171 | 351 0 |
| 80 02 28 1411 |  |  | .3 | 1 | 0.029 | 0 006 | 0 064 | 0 380 | 0.013 | 1.840 | 1.917 | 0.316 | 2.233 | 370 0 |
| 80 03 26 1200 |  |  | .3 | 1 | 0.059 | 0.016 | 0.080 | 0 560 | 0.016 | 1.380 | 1.476 | 0.480 | 1.956 | 361.0 |
| 80 04 29 1435 |  |  | .3 | 1 | 0.050 | 0.001 | 0 024 | 0 520 | 0.014 | 1.240 | 1.278 | 0.496 | 1.774 | 328.0 |
| 80 05 28 1250 |  |  | .3 | 1 | 0 032 | 0.007 | 0 008 | 0 330 | 0.015 | 1.280 | 1 303 | 0.322 | 1 625 | 380.0 |
| 80 06 26 1150 |  |  | .3 | 1 | 0 035 | 0.003 | 0.006 | 0 380 | 0.015 | 1.090 | 1 111 | 0.374 | 1 485 | 337 0 |
| 80 07 07 1555 |  |  | .3 | 1 | 0.024 | 0 004 | 0 052 | 0 370 | 0.016 | 1.280 | 1 348 | 0.318 | 1 666 |  |
| 80 07 08 0345 |  |  | .3 | 1 | 0.041 | 0 002 | 0 024 | 0 47 | 0 020 | 1.28 | 1.324 | 0.446 | 1.770 |  |
| 80 07 30 1250 |  |  | .3 | 1 | 0.037 | 0 008 | 0 064 | 0 470 | 0.017 | 1.090 | 1.171 | 0.406 | 1 577 | 361.0 |
| 80 08 21 1050 |  |  | .3 | 1 | 0.023 | 0.008 | 0 078 | 0 34 | 0.021 | 1.38 | 1.479 | 0.262 | 1.741 | 350 |
| 80 09 04 1205 |  |  | .3 | 1 | 0 078 | 0 028 | 0 110 | 0 55 | 0.025 | 1.13 | 1.265 | 0.440 | 1.705 | 360 |
| 80 10 20 1200 |  |  | .3 | 1 | 0.024 | 0.007 | 0.058 | 0 450 | 0.015 | 1.100 | 1.173 | 0.392 | 1.565 | 346 0 |
| 80 11 24 1210 |  |  | .3 | 1 | 0 012 | 0.003 | 0.058 | 0 310 | 0.013 | 1.740 | 1.811 | 0.252 | 2.063 | 344.0 |
| 80 12 09 1255 |  |  | .3 | 1 | 0.023 | 0.007 | 0 046 | 0.440 | 0.015 | 1 980 | 2.041 | 0.394 | 2.435 | 375 0 |
| **MAXIMUM** |  |  |  |  | **0.078** | **0.028** | **0.110** | **0.560** | **0.025** | **1.980** | **2.041** | **0.496** | **2.435** | **380.0** |
| **ARITH MEAN** |  |  |  |  | **0.034** | **0.007** | **0.053** | **0.42** | **0.016** | **1.40** | **1.469** | **0.372** | **1.840** | **355** |
| **GEOM MEAN** |  |  |  |  | **0.030** | **0.006** | **0.041** | **0.41** | **0.016** | **1.37** | **1.440** | **0.364** | **1.821** | **354** |
| **MINIMUM** |  |  |  |  | **0.012** | **0.001** | **0.006** | **0.310** | **0.011** | **1.090** | **1.111** | **0.252** | **1.485** | **328.0** |
| **STD DEV** |  |  |  |  | **0.018** | **0.007** | **0.029** | **0.08** | **0.004** | **0.30** | **0.310** | **0.078** | **0.286** | **16** |
| **NO OF SAMPLES** |  |  |  |  | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **12** |

| TEST-NAME: |  |  |  |  | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 28 1500 |  |  | .3 | 1 | 3.0 | 348.0 | 560 0 | 2 60 | 17.000 | 8.09 |  |
| 80 02 28 1411 |  |  | .3 | 1 | 3.0 | 367.0 | 550.0 | 2.70 | 19.000 | 8.22 |  |
| 80 03 26 1200 |  |  | .3 | 1 | 11.0 | 350.0 | 470 0 | 7.70 | 13.500 | 8.02 |  |
| 80 04 29 1435 |  |  | .3 | 1 | 16.0 | 312.0 | 475 0 | 6.70 | 14.500 | 8.03 |  |
| 80 05 28 1250 |  |  | .3 | 1 | 6.0 | 374.0 | 500.0 | 3.50 | 16.000 | 8.4 |  |
| 80 06 26 1150 |  |  | .3 | 1 | 8.0 | 329.0 | 465 0 | 4 10 | 18.000 | 8.22 |  |
| 80 07 07 1555 |  |  | .3 | 1 |  |  | 495.0 |  |  | 8.52 |  |
| 80 07 08 0345 |  |  | .3 | 1 |  |  | 500 |  |  | 7 88 | 8.2 |
| 80 07 30 1250 |  |  | .3 | 1 | 8.0 | 353 0 | 500.0 | 2.50 | 17.000 | 8.39 | 8.3 |
| 80 08 21 1050 |  |  | .3 | 1 | 7 | 343 | 500 | 4.3 | 18.5 | 8.16 | 7.9 |
| 80 09 04 1205 |  |  | .3 | 1 | 15 | 345 | 530 | 4.0 | 23.0 | 7.92 | 7.5 |
| 80 10 20 1200 |  |  | .3 | 1 | 3.0 | 343.0 | 530.0 | 1.50 | 17.500 | 8.06 | 7.6 |
| 80 11 24 1210 |  |  | .3 | 1 | 2.0 | 342.0 | 550.0 | 1.50 | 17.000 | 8.12 | 7.9 |
| 80 12 09 1255 |  |  | .3 | 1 | 7.0 | 368.0 | 540.0 | 3.80 | 19.000 | 8.08 | 7 85 |
| **MAXIMUM** |  |  |  |  | **16.0** | **374.0** | **560.0** | **7.70** | **23.0** | **8.52** | **8.3** |
| **ARITH MEAN** |  |  |  |  | **7** | **347** | **511** | **3.7** | **17.6** | **8.1** | **7.9** |
| **GEOM MEAN** |  |  |  |  | **6** | **347** | **510** | **3.3** | **17.3** | **8.1** | **7.9** |
| **MINIMUM** |  |  |  |  | **2.0** | **312.0** | **465.0** | **1.50** | **13.500** | **7.88** | **7.5** |
| **STD DEV** |  |  |  |  | **4** | **17** | **31** | **1.8** | **2.4** | **0.1** | **0.2** |
| **NO OF SAMPLES** |  |  |  |  | **12** | **12** | **14** | **12** | **12** | **14** | **7** |

| | | |
|---|---|---|
| B.O.W./SITE: **CENTRE CREEK**<br>SAMPLE POINT: **AT FIRST ROAD UPSTREAM FROM LAKE ERIE**<br>STATION TYPE: **RIVER** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE ERIE**<br>TERM STREAM: **CENTRE CREEK** | STATION ID: **16-0163-001-02**<br>STORET CODE: **02**<br>**003**<br>**0586** |
| LAT LONG: | U T M: **17 0573200.0 4737650.0 4** | REGION: **02** DISTANCE: **0.161** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 28 1540 | | | .3 | 1 | 28336 | 6 | 2500 | 25000 | 1010 | 1900 | 1.0 | 14.2 | 3.4 | 0.280 |
| 80 02 28 1525 | | | .3 | 1 | 28369 | 6 | 200I | 1600 | 20< | 20I | 2.6 | 12.4 | 1.8 | 0.188 |
| 80 03 26 1405 | | | .3 | 1 | 28425 | 3 | 5100 | 17000 | 20I | 250 | 7.0 | 10.8 | 2.4 | 2.030 |
| 80 04 29 1515 | | | .3 | 1 | 28496 | 3 | 4500 | 64000 | 140 | 730 | 11.0 | 8.8 | 1.8 | 0.305 |
| 80 05 28 1555 | | | .3 | 1 | 28547 | 6 | 300 | 49000 | 10< | 20I | 20.0 | 8.7 | 2.2 | 0.085 |
| 80 06 26 1335 | | | .3 | 1 | 28591 | 6 9 | 900 | 16000 | 20I | 120I | 26.0 | 8.6 | 2.4 | 0.080 |
| 80 07 07 1650 | | | .3 | 1 | 80065 | 5 | | | | | 24.5 | 8.4 | | 0.050 |
| 80 07 08 0410 | | | .3 | 1 | 80064 | 1 | | | | | | | | |
| 80 07 30 1450 | | | .3 | 1 | 28635 | 6 | 1500I | 29000 | 220 | 260 | 26.5 | 8.0 | 1.2 | 0.038 |
| 80 08 21 1150 | | | .3 | 1 | 28679 | 6 | 20< | 20 | 10< | 10< | 23.5 | 6.0 | | 0.050 |
| 80 09 04 1330 | | | .3 | 1 | 28722 | 6 | 3300C | 44000 | 1500> | 910 | 27.5 | 8.8 | 0.8 | 0.077 |
| 80 10 20 1315 | | | .3 | 1 | 28735 | 6 | 2100 | 112000 | 300 | 750 | 12.0 | 8.5 | 0.8 | 0.095 |
| 80 11 24 1335 | | | .3 | 1 | 28815 | 6 | 300C | 49000 | 10< | 20I | 11.0 | 9.2 | 0.4 | 0.010 |
| 80 12 09 1325 | | | .3 | 1 | 28846 | 6 | 4500C | 65000 | 80I | 350 | 7.0 | 10.8 | 0.2 | 0.100 |
| MAXIMUM | | | | | | | 5100 | 112000 | 1500> | 1900 | 27.5 | 14.2 | 3.4 | 2.030 |
| ARITH MEAN | | | | | | | 2102L | 39302 | 2788 | 445L | 15.4 | 9.5 | 1.6 | 0.261 |
| GEOM MEAN | | | | | | | 968L | 18132 | 688 | 156L | 11.1 | 9.3 | 1.2 | 0.103 |
| MINIMUM | | | | | | | 20< | 20 | 10< | 10< | 1.0 | 6.0 | 0.2 | 0.010 |
| STD DEV | | | | | | | 1867L | 31739 | 4778 | 658L | 9.6 | 2.1 | 1.0 | 0.539 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 13 | 13 | 11 | 13 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 28 1540 | | | .3 | 1 | 0.145 | 0.770 | 1.700 | 0.036 | 0.789 | 1.595 | 0.930 | 2.525 | 567.00 | 76.00 |
| 80 02 28 1525 | | | .3 | 1 | 0.120 | 0.294 | 0.800 | 0.030 | 0.230 | 0.554 | 0.506 | 1.060 | 730.00 | 25.00 |
| 80 03 26 1405 | | | .3 | 1 | 0.036 | 0.196 | 1.000 | 0.056 | 0.644 | 0.896 | 0.804 | 1.700 | 636.00 | 131.00 |
| 80 04 29 1515 | | | .3 | 1 | 0.056 | 0.034 | 1.050 | 0.032 | 0.828 | 0.894 | 1.016 | 1.910 | 447.00 | 167.00 |
| 80 05 28 1555 | | | .3 | 1 | 0.002 | 0.002< | 1.280 | 0.014 | 0.016 | 0.032 | 1.278 | 1.310 | 510.00 | 13.00 |
| 80 06 26 1335 | | | .3 | 1 | 0.002 | 0.092 | 2.100 | 0.110 | 0.365 | 0.567 | 2.008 | 2.575 | 767.00 | 9.00 |
| 80 07 07 1650 | | | .3 | 1 | 0.001 | 0.058 | 0.990 | 0.055 | 0.685 | 0.798 | 0.932 | 1.730 | | |
| 80 07 30 1450 | | | .3 | 1 | 0.004 | 0.117 | 0.700 | 0.044 | 0.474 | 0.635 | 0.583 | 1.218 | 561.00 | 9.00 |
| 80 08 21 1150 | | | .3 | 1 | 0.018 | 0.010 | 0.60 | 0.001 | 0.799 | 0.810 | 0.590 | 1.400 | 677 | 7 |
| 80 09 04 1330 | | | .3 | 1 | 0.027 | 0.056 | 0.58 | 0.010 | 0.610 | 0.676 | 0.524 | 1.200 | 531 | 24 |
| 80 10 20 1315 | | | .3 | 1 | 0.034 | 0.010 | 0.580 | 0.013 | 0.987 | 1.010 | 0.570 | 1.580 | 531.00 | 17.00 |
| 80 11 24 1335 | | | .3 | 1 | 0.009 | 0.058 | 0.430 | 0.009 | 0.621 | 0.688 | 0.372 | 1.060 | 384.00 | 8.00 |
| 80 12 09 1325 | | | .3 | 1 | 0.043 | 0.030 | 0.700 | 0.019 | 0.980 | 1.029 | 0.670 | 1.699 | 441.00 | 39.00 |
| MAXIMUM | | | | | 0.145 | 0.770 | 2.100 | 0.110 | 0.987 | 1.595 | 2.008 | 2.575 | 767.00 | 167.00 |
| ARITH MEAN | | | | | 0.038 | 0.133L | 0.96 | 0.033 | 0.618 | 0.783 | 0.829 | 1.613 | 565 | 43 |
| GEOM MEAN | | | | | 0.018 | 0.052L | 0.86 | 0.021 | 0.469 | 0.632 | 0.749 | 1.549 | 553 | 24 |
| MINIMUM | | | | | 0.001 | 0.002< | 0.430 | 0.001 | 0.016 | 0.032 | 0.372 | 1.060 | 384.00 | 7 |
| STD DEV | | | | | 0.048 | 0.209L | 0.48 | 0.029 | 0.285 | 0.354 | 0.434 | 0.496 | 117 | 53 |
| NO OF SAMPLES | | | | | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | SSO4UR | ALKT | PH | FWPH | PHNOL | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE |
| 80 01 28 1540 | | | .3 | 1 | 491.00 | 800.0 | 44.00 | 120.000 | 103.000 | 119 | 8.23 | | 1.000< | 3.400 |
| 80 02 28 1525 | | | .3 | 1 | 705.00 | 1010.0 | 32.00 | 178.000 | 120.000 | 137.0 | 7.98 | | 1.000< | 1.200 |
| 80 03 26 1405 | | | .3 | 1 | 505.00 | 690.0 | 93.00 | 83.000 | 102.000 | 124.0 | 8.07 | | 1.000< | 7.400 |
| 80 04 29 1515 | | | .3 | 1 | 280.000 | 430.0 | 170.00 | 32.500 | 59.500 | 121.0 | 7.78 | | 1.000< | 7.500 |
| 80 05 28 1555 | | | .3 | 1 | 497.00 | 800.0 | 9.30 | 75.000 | 132.000 | 131.0 | 9.00 | | 1.000< | 0.740 |
| 80 06 26 1335 | | | .3 | 1 | 758.00 | 1250.0 | 5.60 | 169.000 | 200.000 | 150.0 | 8.29 | | 1.000< | 0.420 |
| 80 07 07 1650 | | | .3 | 1 | | 1250.0 | | | | | 8.52 | | | |
| 80 07 30 1450 | | | .3 | 1 | 552.00 | 900.0 | 5.00 | 96.000 | 167.000 | 105.0 | 8.29 | 8.0 | 1.000< | 0.480 |
| 80 08 21 1150 | | | .3 | 1 | 670 | 1150 | 6.3 | 165 | 152 | 133 | 8.37 | 8.3 | 1 < | 0.40 |
| 80 09 04 1330 | | | .3 | 1 | 507 | 870 | 20 | 108 | 131 | 117 | 8.18 | 7.7 | 1 < | 1.2 |
| 80 10 20 1315 | | | .3 | 1 | 514.00 | 850.0 | 35.00 | 110.000 | 112.000 | 131.0 | 8.24 | 7.9 | 1.000< | 2.400 |
| 80 11 24 1335 | | | .3 | 1 | 376.00 | 660.0 | 6.10 | 84.000 | 58.000 | | 8.23 | 8.2 | 1.000 | 0.600 |
| 80 12 09 1325 | | | .3 | 1 | 402.00 | 620.0 | 51.00 | 76.000 | 75.500 | 125.0 | 8.11 | 8.1 | 1.000< | 3.300 |
| MAXIMUM | | | | | 758.00 | 1250.0 | 170.00 | 178.000 | 200.000 | 150.0 | 9.00 | 8.3 | 1.000 | 7.500 |
| ARITH MEAN | | | | | 621 | 867 | 39 | 108 | 117 | 126 | 8.25 | 8.0 | 1 L | 2.4 |
| GEOM MEAN | | | | | 503 | 833 | 21 | 98 | 110 | 126 | 8.25 | 8.0 | 1 L | 1.4 |
| MINIMUM | | | | | 280.000 | 430.0 | 5.00 | 32.500 | 58.000 | 105.0 | 7.78 | 7.7 | 1.000< | 0.40 |
| STD DEV | | | | | 137 | 248 | 48 | 43 | 42 | 11 | 0.29 | 0.2 | 0 L | 2.5 |
| NO OF SAMPLES | | | | | 12 | 13 | 12 | 12 | 12 | 11 | 13 | 6 | 12 | 12 |

| TEST-NAME: | | | | | MGUR | COLAP | FFIDUR | COD | ASUT | HGUT | ALUT | CRUT | CUUT | PBUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | FLUORIDE UNF.REAC MG/L AS F | CHEM. OX DEMAND MG/L AS O | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB |
| 80 01 28 1540 | | | .3 | 1 | 18.000 | 15.000 | 0.7 | 40 | 0.002 | 0.020 | 37.000 | 0.020< | 0.010< | 0.030< |
| 80 02 28 1525 | | | .3 | 1 | 22.500 | 21.000 | 0.5 | 10< | 0.002 | 0.020< | 1.200 | 0.020< | 0.010< | 0.030< |
| 80 03 26 1405 | | | .3 | 1 | 5.000 | 70.000> | 0.6 | 18 | 0.002 | 0.020< | 6.900 | 0.020< | 0.010< | 0.030< |
| 80 04 29 1515 | | | .3 | 1 | 11.500 | 70.000> | 0.3 | 54 | 0.003 | 0.02 < | 8.3 | 0.02 < | 0.01 < | 0.03 < |
| 80 05 28 1555 | | | .3 | 1 | 16.5 | 42.000 | 0.6 | 20 | 0.001< | 0.04 < | 0.29 | 0.02 < | 0.02 | 0.03 < |
| 80 06 26 1335 | | | .3 | 1 | 15.500 | 16.000 | | 48 | 0.001 | 0.040< | 0.210 | 0.020< | 0.010< | 0.030< |
| 80 07 30 1450 | | | .3 | 1 | 19.000 | 9.000 | 1.9 | 16 | 0.001 | | 0.32 | 0.020< | 0.010< | 0.030< |
| 80 08 21 1150 | | | .3 | 1 | 13.5 | 9 | 2.5 | 22 | 0.002 | 0.02 | 0.33 | 0.004 | 0.004 | 0.003< |
| 80 09 04 1330 | | | .3 | 1 | 14.0 | 17 | 1.3 | 12 | 0.002 | 0.03 < | 0.82 | 0.002< | 0.005 | 0.007 |
| 80 10 20 1315 | | | .3 | 1 | 13.500 | 70.000> | 2.2 | 21 | 0.001< | 0.040< | 1.900 | 0.007 | 0.006 | 0.020 |
| 80 11 24 1335 | | | .3 | 1 | 8.5 | 9.000 | | 41 | 0.002 | 0.04 < | 0.29 | 0.001 | 0.009 | 0.007 |
| 80 12 09 1325 | | | .3 | 1 | 13.500 | 70.000> | 1.3 | 30 | 0.001< | 0.030< | 8.100 | 0.002< | 0.005 | 0.006 |
| MAXIMUM | | | | | 22.500 | 70.000> | 2.5 | 54 | 0.003 | 0.04 | 37.000 | 0.020 | 0.02 | 0.030 |
| ARITH MEAN | | | | | 14.2 | 34 Q | 1.2 | 28L | 0.002L | 0.02 L | 5.4 | 0.01 L | 0.00 L | 0.02 L |
| GEOM MEAN | | | | | 13.3 | 25 Q | 1.0 | 24L | 0.002L | 0.02 L | 1.4 | 0.00 L | 0.00 L | 0.01 L |
| MINIMUM | | | | | 5.000 | 9.000 | 0.3 | 10< | 0.001< | 0.020< | 0.210 | 0.001< | 0.004< | 0.003< |
| STD DEV | | | | | 4.8 | 27 Q | 0.8 | 16L | 0.001L | 0.00 L | 10.4 | 0.00 L | 0.00 L | 0.01 L |
| NO OF SAMPLES | | | | | 12 | 12 | 10 | 12 | 12 | 11 | 12 | 12 | 12 | 12 |

(CONTD)

| TEST-NAME: | | | | CDUT | ZNUT | MNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 01 28 1540 | | .3 | 1 | 0.005 < | 0.010< | 0.169 | 0.020< | 0.020 < | 0.010< |
| 80 02 28 1525 | | .3 | 1 | 0.005 < | 0.010 | 0.061 | 0.020< | 0.020 < | 0.010< |
| 80 03 26 1405 | | .3 | 1 | 0.005 < | 0.020 | 0.133 | 0.020< | 0.020 < | 0.010< |
| 80 04 29 1515 | | .3 | 1 | 0.005 < | 0.03 | 0.175 | 0.02 < | 0.02 < | 0.01 < |
| 80 05 28 1555 | | .3 | 1 | 0.005 < | 0.01 | 0.058 | 0.02 < | 0.02 < | 0.038 |
| 80 06 26 1335 | | .3 | 1 | 0.005 < | 0.030 | 0.072 | 0.020< | 0.020 < | 0.020 |
| 80 07 30 1450 | | .3 | 1 | 0.005 < | 0.020 | 0.117 | 0.02 < | 0.02 < | 0.01 < |
| 80 08 21 1150 | | .3 | 1 | 0.0002< | 0.070 | 0.043 | 0.003 | 0.002 < | 0.01 < |
| 80 09 04 1330 | | .3 | 1 | 0.0002< | 0.046 | 0.073 | 0.002< | 0.002 < | 0.01 < |
| 80 10 20 1315 | | .3 | 1 | 0.0002< | 0.120 | 0.070 | 0.003 | 0.002 < | 0.010< |
| 80 11 24 1335 | | .3 | 1 | 0.0002< | 0.061 | 0.022 | 0.003< | 0.0002< | 0.02 |
| 80 12 09 1325 | | .3 | 1 | 0.0002< | 0.074 | 0.066 | 0.004 | 0.002 < | 0.020 |
| MAXIMUM | | | | 0.005 | 0.120 | 0.175 | 0.02 | 0.02 | 0.038 |
| ARITH MEAN | | | | 0.003 L | 0.04 L | 0.088 | 0.01 L | 0.01 L | 0.01 L |
| GEOM MEAN | | | | 0.001 L | 0.03 L | 0.076 | 0.00 L | 0.00 L | 0.01 L |
| MINIMUM | | | | 0.0002< | 0.010< | 0.022 | 0.002< | 0.0002< | 0.010< |
| STD DEV | | | | 0.002 L | 0.03 L | 0.049 | 0.00 L | 0.00 L | 0.00 L |
| NO OF SAMPLES | | | | 12 | 12 | 12 | 12 | 12 | 12 |

B.O.W./ SITE: **NANTICOKE CREEK**
SAMPLE POINT: **AT COUNTY ROAD NO 11 NANTICOKE**
STATION TYPE: **RIVER FLOW GAUGE FED 02GC022**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **NANTICOKE CREEK**

STATION ID: **16-0164-001-02**
STORET CODE: **02**
**003**
**0550**

LAT:
LONG:
U T M: **17 0575500.0 4739950.0 4**
REGION: **02**
DISTANCE: **1.000**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 28 1555 | | .3 | 1 | 28328 | 4 | 0.680 | 120I | 3800 | 10< | 40I | 1.0 | 14.6 | 0.6 |
| 80 02 28 1538 | | .3 | 1 | 28370 | 4 | 1.100 | 120I | 3600 | 8 | 156 | 1.0 | 14.2 | 1.2 |
| 80 03 26 1420 | | .3 | 1 | 28426 | 3 | 5.250 | 3900 | 24000 | 20< | 3000 | 5.6 | 12.5 | 2.0 |
| 80 04 29 1535 | | .3 | 1 | 28497 | 3 | 4.590 | 7300C | 120000 | 450 | 3600 | 11.0 | 9.2 | 2.0 |
| 80 05 15 1510 | | .3 | 1 | 28526 | 6 | 1.340 | 300I | 11000 | 80I | 100< | 16.0 | 12.8 | 0.6 |
| 80 06 11 1450 | | .3 | 1 | 28570 | 6 | 2.020 | 1400C | 53000 | 300 | 150 | 17.0 | 9.1 | 1.4 |
| 80 07 07 1700 | | .3 | 1 | 80067 | 6 | 0.354 | | | | | 25.0 | 9.3 | |
| 80 07 08 0420 | | .3 | 1 | 80066 | 6 | 0.333 | | | | | 20.0 | 6.3 | |
| 80 07 16 1430 | | .3 | 1 | 28620 | 6 | 0.188 | 1000C | 43000 | 470 | 330 | 25.0 | 9.0 | 1.4 |
| 80 08 18 1425 | | .3 | 1 | 28656 | 6 | 0.288 | 1200C | 54000 | 400 | 220 | 21.5 | 9.6 | 2.4 |
| 80 09 25 1400 | | .3 | 1 | 28714 | 6 | 1.110 | 1100C | 15000> | 240 | 120I | 21.0 | 14.9 | 2.0 |
| 80 10 22 1120 | | .3 | 1 | 28757 | 6 | 1.240 | 700I | 20000 | 120I | 140I | 7.5 | 10.0 | 1.4 |
| 80 11 20 1300 | | .3 | 1 | 28799 | 6 | 0.697 | 60I | 1340 | 10< | 10I | 5.0 | 13.2 | 1.2 |
| 80 12 18 1300 | | .3 | 1 | 28838 | 4 | 0.820 | 270C | 4400 | 4 | 56 | 0.5 | 12.6 | 0.9 |
| MAXIMUM | | | | | | 5.250 | 7300 | 120000> | 470 | 3600 | 25.0 | 14.9 | 2.4 |
| ARITH MEAN | | | | | | 1.429 | 1456 | 29428G | 176L | 660L | 12.6 | 11.2 | 1.4 |
| GEOM MEAN | | | | | | 0.904 | 609 | 14607G | 63L | 172L | 7.5 | 10.9 | 1.3 |
| MINIMUM | | | | | | 0.188 | 60 | 1340 | 4< | 10< | 0.5 | 6.3 | 0.6 |
| STD DEV | | | | | | 1.566 | 2118 | 34314G | 186L | 1243L | 8.2 | 2.6 | 0.6 |
| NO OF SAMPLES | | | | | | 14 | 12 | 12 | 12 | 12 | 14 | 14 | 12 |

| TEST-NAME: | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 28 1555 | | .3 | 1 | 0.043 | 0.022 | 0.074 | 0.550 | 0.013 | 2.390 | 2.477 | 0.476 | 2.953 | 376.00 |
| 80 02 28 1538 | | .3 | 1 | 0.058 | 0.022 | 0.092 | 0.730 | 0.016 | 2.080 | 2.188 | 0.638 | 2.826 | 443.00 |
| 80 03 26 1420 | | .3 | 1 | 0.200 | 0.057 | 0.108 | 1.100 | 0.038 | 2.160 | 2.306 | 0.992 | 3.298 | 302.00 |
| 80 04 29 1535 | | .3 | 1 | 0.225 | 0.025 | 0.074 | 1.220 | 0.034 | 2.260 | 2.368 | 1.146 | 3.514 | 455.00 |
| 80 05 15 1510 | | .3 | 1 | 0.060 | 0.003 | 0.042 | 0.630 | 0.014 | 0.626 | 0.682 | 0.588 | 1.270 | 364.00 |
| 80 06 11 1450 | | .3 | 1 | 0.230 | 0.027 | 0.034 | 1.320 | 0.038 | 2.960 | 3.032 | 1.286 | 4.318 | 524.00 |
| 80 07 07 1700 | | .3 | 1 | 0.150 | 0.005 | 0.014 | 1.030 | 0.005 | 0.005 | 0.024 | 1.016 | 1.040 | |
| 80 07 08 0420 | | .3 | 1 | 0.165 | 0.01 | 0.016 | 1.23 | 0.009 | 0.056 | 0.081 | 1.214 | 1.295 | |
| 80 07 16 1430 | | .3 | 1 | 0.095 | 0.010 | 0.036 | 0.820 | 0.010 | 0.040 | 0.086 | 0.784 | 0.870 | 452.00 |
| 80 08 18 1425 | | .3 | 1 | 0.185 | 0.011 | 0.021 | 1.300 | 0.009 | 1.310 | 1.340 | 1.279 | 2.619 | 508.00 |
| 80 09 25 1400 | | .3 | 1 | 0.145 | 0.033 | 0.104 | 0.95 | 0.036 | 1.24 | 1.380 | 0.846 | 2.226 | 377 |
| 80 10 22 1120 | | .3 | 1 | 0.071 | 0.028 | 0.054 | 0.730 | 0.017 | 2.080 | 2.151 | 0.676 | 2.827 | 440.00 |
| 80 11 20 1300 | | .3 | 1 | 0.023 | 0.002 | 0.020 | 0.590 | 0.006 | 1.290 | 1.316 | 0.570 | 1.886 | 439.00 |
| 80 12 18 1300 | | .3 | 1 | 0.026 | 0.010 | 0.026 | 0.600 | 0.013 | 2.740 | 2.779 | 0.574 | 3.353 | 496.00 |
| MAXIMUM | | | | 0.230 | 0.057 | 0.108 | 1.320 | 0.038 | 2.960 | 3.032 | 1.286 | 4.318 | 524.00 |
| ARITH MEAN | | | | 0.120 | 0.01 | 0.061 | 0.91 | 0.018 | 1.51 | 1.586 | 0.863 | 2.450 | 431 |
| GEOM MEAN | | | | 0.094 | 0.01 | 0.041 | C.87 | 0.015 | 0.69 | 0.873 | 0.818 | 2.206 | 426 |
| MINIMUM | | | | 0.023 | 0.002 | 0.014 | 0.550 | 0.005 | 0.005 | 0.024 | 0.476 | 0.870 | 302.00 |
| STD DEV | | | | 0.074 | 0.01 | 0.033 | 0.28 | 0.012 | 1.01 | 1.040 | 0.289 | 1.049 | 65 |
| NO OF SAMPLES | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 |

| TEST-NAME: | | | | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | ALKT | PH | FWPH | PHNOL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL |
| 80 01 28 1555 | | .3 | 1 | 3.00 | 373.00 | 630.0 | 6.60 | 23.000 | 72.000 | 199 | 8.17 | | 1.000< |
| 80 02 28 1538 | | .3 | 1 | 3.00 | 440.00 | 640.0 | 4.10 | 23.500 | 101.000 | 207.0 | 8.03 | | 1.000< |
| 80 03 26 1420 | | .3 | 1 | 61.00 | 231.000 | 356.0 | 50.00 | 13.500 | 38.000 | 120.0 | 8.19 | | 1.000< |
| 80 04 29 1535 | | .3 | 1 | 138.00 | 317.00 | 470.0 | 70.00 | 21.500 | 56.500 | 153.0 | 7.88 | | 1.000< |
| 80 05 15 1510 | | .3 | 1 | 30.00 | 334.00 | 500.0 | 25.00 | 25.000 | 58.000 | 182.0 | 8.19 | | 1.000< |
| 80 06 11 1450 | | .3 | 1 | 100.00 | 424.00 | 550.0 | 62.00 | 21.000 | 59.500 | 214.0 | 8.28 | | 1.000< |
| 80 07 07 1700 | | .3 | 1 | | | 500.0 | | | | | 8.49 | | |
| 80 07 08 0420 | | .3 | 1 | | | 550 | | | | | 8.02 | 8.0 | |
| 80 07 16 1430 | | .3 | 1 | 35.00 | 417.00 | 550.0 | 25.00 | 32.500 | 65.500 | 178.0 | 8.14 | 8.2 | 1.000< |
| 80 08 18 1425 | | .3 | 1 | 90.00 | 418.00 | 550.0 | 53.00 | 38.000 | 70.000 | 173.0 | 8.35 | 8.5 | 1.000< |
| 80 09 25 1400 | | .3 | 1 | 9 | 368 | 550 | 40 | 28.0 | 69.0 | 187 | 8.53 | 8.4 | 1 < |
| 80 10 22 1120 | | .3 | 1 | 15.00 | 425.00 | 620.0 | 9.00 | 28.500 | 96.500 | 211.0 | 8.32 | 8.2 | 1.000< |
| 80 11 20 1300 | | .3 | 1 | 13.00 | 426.00 | 600.0 | 7.10 | 29.000 | 98.000 | 208.0 | 8.29 | 8.5 | 1.000 |
| 80 12 18 1300 | | .3 | 1 | 7.00 | 489.00 | 680.0 | 5.20 | 27.500 | 82.000 | 190.0 | 8.43 | | 1.000< |

(CONTD)

B.O.W./SITE: **NANTICOKE CREEK**
SAMPLE POINT: **AT COUNTY ROAD NO 11 NANTICOKE**
STATION TYPE: **RIVER FLOW GAUGE FED 02GC022**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **NANTICOKE CREEK**

STATION ID: **16-0164-001-02**
STORET CODE: **02**
**003**
**0550**

LAT: LONG: U T M: **17 0575500.0 4739950.0 4** REGION: **02** DISTANCE: **1.600**

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | ALKT | PH | FWPH | PHNOL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL |
| **MAXIMUM** | | | | | **138.00** | **489.00** | **680.0** | **70.00** | **38.000** | **101.000** | **214.0** | **8.53** | **8.5** | **1.000** |
| **ARITH MEAN** | | | | | **42** | **388** | **653** | **29** | **25.9** | **72.1** | **186** | **8.24** | **8.3** | **1 L** |
| **GEOM MEAN** | | | | | **21** | **382** | **547** | **19** | **25.1** | **69.7** | **183** | **8.23** | **8.3** | **1 L** |
| **MINIMUM** | | | | | **3.00** | **231.000** | **356.0** | **4.10** | **13.500** | **38.000** | **120.0** | **7.88** | **8.0** | **1.000<** |
| **STD DEV** | | | | | **45** | **68** | **82** | **24** | **6.2** | **19.1** | **27** | **0.19** | **0.2** | **0 L** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **14** | **12** | **12** | **12** | **12** | **14** | **6** | **12** |

| TEST-NAME: | | | | | FEUT | COLAP | COD | ASUT | HGUT | ALUT | CRUT | CUUT | PBUT | CDUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | IRON UNF.TOT. MG/L AS FE | COLOUR APPARENT HZU | CHEM. OX DEMAND MG/L AS O | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. ~~MG/L~~ UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD |
| 80 01 28 1555 | | | .3 | 1 | 0.430 | 27.000 | 38 | 0.001 | 0.020< | 0.410 | 0.030 | 0.010< | 0.030< | 0.005 < |
| 80 02 28 1538 | | | .3 | 1 | 0.280 | 16.000 | 10< | 0.002 | 0.020< | 0.210 | 0.020< | 0.010< | 0.030< | 0.005 < |
| 80 03 26 1420 | | | .3 | 1 | 3.600 | 70.000> | 18 | 0.001 | 0.020< | 3.500 | 0.020< | 0.010< | 0.030< | 0.005 < |
| 80 04 29 1535 | | | .3 | 1 | 7.000 | 70.000> | 14 | 0.002 | 0.02 < | 7.3 | 0.02 < | 0.01 < | 0.03 < | 0.005 < |
| 80 05 15 1510 | | | .3 | 1 | 1.100 | 31.000 | 20 | 0.001< | 0.030< | 0.940 | 0.020 | 0.010< | 0.030< | 0.005 < |
| 80 06 11 1450 | | | .3 | 1 | 5.100 | 70.000> | 20 | 0.002 | 0.030< | 5.000 | 0.020< | 0.010< | 0.030< | 0.005 < |
| 80 07 16 1430 | | | .3 | 1 | 1.600 | 70.000> | 28 | 0.001 | 0.040< | 1.400 | 0.040 | 0.010< | 0.030< | 0.005 < |
| 80 08 18 1425 | | | .3 | 1 | 4.100 | 70.000> | 36 | 0.002 | 0.04 < | 2.0 | 0.002 | 0.002 | 0.003< | 0.0002< |
| 80 09 25 1400 | | | .3 | 1 | 2.7 | 34 | 10< | 0.001 | 0.03 < | 1.8 | 0.002< | 0.003 | 0.003< | 0.0003 |
| 80 10 22 1120 | | | .3 | 1 | 0.720 | 45.000 | 21 | 0.001< | 0.020< | 0.510 | 0.002< | 0.003 | 0.003< | 0.0002< |
| 80 11 20 1300 | | | .3 | 1 | 0.350 | 20.000 | 39 | 0.001< | 0.040< | 0.26 | 0.036 | 0.008 | 0.005 | 0.0002< |
| 80 12 18 1300 | | | .3 | 1 | 0.370 | 31.000 | 27 | 0.001< | 0.04 < | 0.37 | 0.002< | 0.005 | 0.003< | 0.0002< |
| **MAXIMUM** | | | | | **7.000** | **70.000>** | **39** | **0.002** | **0.04** | **7.3** | **0.040** | **0.010** | **0.030** | **0.005** |
| **ARITH MEAN** | | | | | **2.2** | **48 G** | **23L** | **0.001L** | **0.02 L** | **1.9** | **0.01 L** | **0.00 L** | **0.01 L** | **0.003 L** |
| **GEOM MEAN** | | | | | **1.3** | **40 G** | **21L** | **0.001L** | **0.02 L** | **1.0** | **0.01 L** | **0.00 L** | **0.01 L** | **0.001 L** |
| **MINIMUM** | | | | | **0.280** | **16.000** | **10<** | **0.001<** | **0.020<** | **0.210** | **0.002<** | **0.002<** | **0.003<** | **0.0002<** |
| **STD DEV** | | | | | **2.2** | **22 G** | **10L** | **0.000L** | **0.00 L** | **2.2** | **0.01 L** | **0.00 L** | **0.01 L** | **0.002 L** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | ZNUT | MNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 01 28 1555 | | | .3 | 1 | 0.010< | 0.023 | 0.020 < | 0.030 | 0.010< |
| 80 02 28 1538 | | | .3 | 1 | 0.010< | 0.027 | 0.020 < | 0.020 < | 0.010< |
| 80 03 26 1420 | | | .3 | 1 | 0.020 | 0.083 | 0.020 < | 0.020 < | 0.010< |
| 80 04 29 1535 | | | .3 | 1 | 0.02 | 0.175 | 0.02 < | 0.02 < | 0.01 < |
| 80 05 15 1510 | | | .3 | 1 | 0.010< | 0.070 | 0.020 < | 0.020 < | 0.010< |
| 80 06 11 1450 | | | .3 | 1 | 0.010 | 0.185 | 0.020 < | 0.020 < | 0.010< |
| 80 07 16 1430 | | | .3 | 1 | 0.010< | 0.121 | 0.030 | 0.020 < | 0.010< |
| 80 08 18 1425 | | | .3 | 1 | 0.009 | 0.245 | 0.002 | 0.002 < | |
| 80 09 25 1400 | | | .3 | 1 | 0.008 | 0.122 | 0.003 < | 0.002 < | 0.01 < |
| 80 10 22 1120 | | | .3 | 1 | 0.008 | 0.042 | 0.002 < | 0.002 < | 0.010< |
| 80 11 20 1300 | | | .3 | 1 | 0.004 | 0.032 | 0.003 < | 0.0005< | 0.010< |
| 80 12 18 1300 | | | .3 | 1 | 0.012 | 0.028 | 0.0009 | 0.0005< | 0.01 < |
| **MAXIMUM** | | | | | **0.02** | **0.245** | **0.030** | **0.030** | **0.01** |
| **ARITH MEAN** | | | | | **0.01 L** | **0.096** | **0.01 L** | **0.01 L** | **0.01 L** |
| **GEOM MEAN** | | | | | **0.01 L** | **0.071** | **0.00 L** | **0.00 L** | **0.01 L** |
| **MINIMUM** | | | | | **0.004<** | **0.023** | **0.0009<** | **0.0005<** | **0.010<** |
| **STD DEV** | | | | | **0.00 L** | **0.074** | **0.01 L** | **0.01 L** | **0.00 L** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **11** |

B.O.W./SITE: **NANTICOKE CREEK**
SAMPLE POINT: **AT COUNTY ROAD 27 AND 32**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **NANTICOKE CREEK**

STATION ID: **16-0164-002-02**
STORET CODE: **02**
**003**
**0550**

LAT: LONG: U T M: **17 0570400.0 4747850.0 4** REGION: **02** DISTANCE: **17.863**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 28 1155 | | | .3 | 1 | 28324 | 4 | 300 | 2000 | 10I | 10I | 1.0 | 14.0 | 0.6 | 0.045 |
| 80 02 28 1135 | | | .3 | 1 | 28359 | 4 | 320 | 4200 | 16 | 36 | 1.1 | 13.1 | 0.2 | 0.057 |
| 80 03 26 1045 | | | .3 | 1 | 28415 | 3 | 2100 | 19000 | 40I | 1500> | 3.8 | 12.6 | 1.4 | 0.145 |
| 80 04 29 1050 | | | .3 | 1 | 28486 | 3 | 8600C | 80000 | 810 | 13600 | 9.0 | 11.0 | 1.8 | 0.157 |
| 80 05 15 1040 | | | .3 | 1 | 28522 | 6 | 700I | 21000 | 240 | 100I | 12.5 | 10.2 | 0.8 | 0.109 |
| 80 06 11 1140 | | | .3 | 1 | 28566 | 6 | 1800C | 4900 | 470 | 340 | 14.0 | 9.2 | 1.2 | 0.192 |
| 80 07 07 1240 | | | .3 | 1 | 80045 | 6 | | | | | 23.5 | 8.6 | | 0.275 |
| 80 07 08 0020 | | | .3 | 1 | 80044 | 6 | | | | | 21.5 | 7.4 | | 0.248 |
| 80 07 16 1120 | | | .3 | 1 | 28616 | 6 | 1000C | 41000 | 440 | 50I | 26.5 | 10.3 | 3.0 | 0.330 |
| 80 08 18 1135 | | | .3 | 1 | 28652 | 6 | 2100C | 42000 | 400 | 400 | 22.0 | 9.3 | 2.6 | 0.330 |
| 80 09 25 1245 | | | .3 | 1 | 28710 | 6 | 10000 | 260000 | 820 | 300 | 19.0 | 11.9 | 1.2 | 0.128 |
| 80 10 22 1320 | | | .3 | 1 | 28753 | 6 | 600I | 15000 | 20I | 140I | 8.0 | 10.8 | 1.4 | 0.053 |
| 80 11 20 1120 | | | .3 | 1 | 28795 | 6 | 180I | 2200 | 20I | 70I | 3.0 | 12.4 | 1.0 | 0.026 |
| 80 12 18 1150 | | | .3 | 1 | 28834 | 4 | 720C | 5600 | 88 | 32 | 0.5 | 13.1 | 1.0 | 0.030 |
| **MAXIMUM** | | | | | | | **10000** | **260000** | **820** | **13600>** | **26.5** | **14.0** | **3.0** | **0.330** |
| **ARITH MEAN** | | | | | | | **2368** | **41408** | **281** | **1381G** | **11.8** | **11.0** | **1.3** | **0.152** |
| **GEOM MEAN** | | | | | | | **1112** | **14780** | **109** | **167G** | **6.8** | **10.8** | **1.1** | **0.112** |
| **MINIMUM** | | | | | | | **180** | **2000** | **10** | **10** | **0.5** | **7.4** | **0.2** | **0.026** |
| **STD DEV** | | | | | | | **3321** | **72600** | **305** | **3870G** | **9.3** | **1.9** | **0.8** | **0.108** |
| **NO OF SAMPLES** | | | | | | | **12** | **12** | **12** | **12** | **14** | **14** | **12** | **14** |

(CONTD)

| | | | TEST-NAME: | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 28 1155 | | | .3 | 1 | 0.022 | 0.124 | 0.590 | 0.015 | 2.280 | 2.419 | 0.466 | 2.885 | 384.0 | 8.0 |
| 80 02 28 1135 | | | .3 | 1 | 0.015 | 0.140 | 0.660 | 0.016 | 2.080 | 2.186 | 0.520 | 2.706 | 451.0 | 6.0 |
| 80 03 26 1045 | | | .3 | 1 | 0.039 | 0.110 | 0.930 | 0.029 | 2.070 | 2.209 | 0.820 | 3.029 | 264.0 | 30.0 |
| 80 04 29 1050 | | | .3 | 1 | 0.024 | 0.138 | 1.120 | 0.037 | 3.210 | 3.385 | 0.982 | 4.367 | 410.0 | 55.0 |
| 80 05 15 1040 | | | .3 | 1 | 0.011 | 0.062 | 0.790 | 0.031 | 1.270 | 1.363 | 0.728 | 2.091 | 410.0 | 51.0 |
| 80 06 11 1140 | | | .3 | 1 | 0.018 | 0.034 | 1.150 | 0.029 | 1.970 | 2.033 | 1.116 | 3.149 | 486.0 | 73.0 |
| 80 07 07 1240 | | | .3 | 1 | 0.018 | 0.016 | 1.300 | 0.012 | 0.298 | 0.326 | 1.284 | 1.610 | | |
| 80 07 08 0020 | | | .3 | 1 | 0.024 | 0.060 | 1.280 | 0.014 | 0.336 | 0.410 | 1.220 | 1.630 | | |
| 80 07 16 1120 | | | .3 | 1 | 0.044 | 0.090 | 1.480 | 0.011 | 0.079 | 0.180 | 1.390 | 1.570 | 521.0 | 95.0 |
| 80 08 18 1135 | | | .3 | 1 | 0.091 | 0.056 | 1.35 | 0.011 | 0.294 | 0.361 | 1.294 | 1.655 | 493 | 77 |
| 80 09 25 1245 | | | .3 | 1 | 0.045 | 0.018 | 0.78 | 0.023 | 1.88 | 1.921 | 0.762 | 2.683 | 415 | 39 |
| 80 10 22 1320 | | | .3 | 1 | 0.023 | 0.044 | 0.640 | 0.013 | 1.790 | 1.847 | 0.596 | 2.443 | 398.0 | 8.0 |
| 80 11 20 1120 | | | .3 | 1 | 0.002 | 0.016 | 0.630 | 0.013 | 1.590 | 1.619 | 0.614 | 2.233 | 433.0 | 6.0 |
| 80 12 18 1150 | | | .3 | 1 | 0.010 | 0.060 | 0.600 | 0.015 | 0.269 | 0.344 | 0.540 | 0.884 | 470.0 | 6.0 |
| MAXIMUM | | | | | **0.091** | **0.140** | **1.480** | **0.037** | **3.210** | **3.385** | **1.390** | **4.367** | **521.0** | **95.0** |
| ARITH MEAN | | | | | **0.028** | **0.069** | **0.95** | **0.019** | **1.38** | **1.472** | **0.881** | **2.352** | **427** | **37** |
| GEOM MEAN | | | | | **0.020** | **0.055** | **0.90** | **0.018** | **0.90** | **1.046** | **0.825** | **2.194** | **422** | **23** |
| MINIMUM | | | | | **0.002** | **0.016** | **0.590** | **0.011** | **0.079** | **0.180** | **0.466** | **0.884** | **264.0** | **6.0** |
| STD DEV | | | | | **0.022** | **0.044** | **0.32** | **0.009** | **0.97** | **0.997** | **0.326** | **0.881** | **66** | **32** |
| NO OF SAMPLES | | | | | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **12** | **12** |

| | | | TEST-NAME: | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 28 1155 | | | .3 | 1 | 376.0 | 590.0 | 6.60 | 21.500 | 8.12 | |
| 80 02 28 1135 | | | .3 | 1 | 445.0 | 650.0 | 4.20 | 23.000 | 8.16 | |
| 80 03 26 1045 | | | .3 | 1 | 234.000 | 360.0 | 26.00 | 12.500 | 7.88 | |
| 80 04 29 1050 | | | .3 | 1 | 355.0 | 550.0 | 28.00 | 20.500 | 7.99 | |
| 80 05 15 1040 | | | .3 | 1 | 359.0 | 600.0 | 34.00 | 23.500 | 7.95 | |
| 80 06 11 1140 | | | .3 | 1 | 413.0 | 550.0 | 41.00 | 19.500 | 8.19 | |
| 80 07 07 1240 | | | .3 | 1 | | 550.0 | | | 8.33 | |
| 80 07 08 0020 | | | .3 | 1 | | 550.0 | | | 8.17 | 8.3 |
| 80 07 16 1120 | | | .3 | 1 | 426.0 | 600.0 | 52.00 | 37.000 | 8.14 | 8.2 |
| 80 08 18 1135 | | | .3 | 1 | 416 | 600 | 43 | 39.5 | 8.21 | 8.4 |
| 80 09 25 1245 | | | .3 | 1 | 376 | 600 | 21 | 26.5 | 8.28 | 8.0 |
| 80 10 22 1320 | | | .3 | 1 | 390.0 | 620.0 | 3.60 | 26.000 | 8.25 | 7.9 |
| 80 11 20 1120 | | | .3 | 1 | 427.0 | 640.0 | 2.60 | 26.500 | 8.25 | 8.2 |
| 80 12 18 1150 | | | .3 | 1 | 464.0 | 700.0 | 4.40 | 27.500 | 8.22 | |
| MAXIMUM | | | | | **464.0** | **700.0** | **52.00** | **39.5** | **8.33** | **8.4** |
| ARITH MEAN | | | | | **390** | **582** | **22** | **25.2** | **8.15** | **8.2** |
| GEOM MEAN | | | | | **385** | **577** | **13** | **24.3** | **8.15** | **8.2** |
| MINIMUM | | | | | **234.000** | **360.0** | **2.60** | **12.500** | **7.88** | **7.9** |
| STD DEV | | | | | **59** | **77** | **17** | **7.3** | **0.13** | **0.2** |
| NO OF SAMPLES | | | | | **12** | **14** | **12** | **12** | **14** | **6** |

B O W / SITE: **NANTICOKE CREEK**
SAMPLE POINT: **AT TOWNSHIP ROAD 7 EAST OF DAM WATERFORD**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **NANTICOKE CREEK**

STATION ID: **16-0164-003-02**
STORET CODE: **02**
**003**
**0550**

LAT: LONG: U T M: **17 0559350.0 4754200.0 4** REGION: **02** DISTANCE: **39.267**

| | | | TEST-NAME: | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 28 1226 | | | .3 | 1 | 28327 | 6 | 100I | 420 | 10< | 10< | 2.8 | 13.6 | 0.4 | 0.021 |
| 80 02 28 1210 | | | .3 | 1 | 28362 | 6 | 80I | 2200 | 4 | 24 | 3.7 | 14.0 | 0.6 | 0.024 |
| 80 03 26 1120 | | | .3 | 1 | 28418 | 3 | 1200 | 11000 | 10I | 1500> | 4.0 | 11.9 | 1.4 | 0.130 |
| 80 04 29 1145 | | | .3 | 1 | 28489 | 3 | 4500C | 26000 | 1310 | 1300 | 10.5 | 9.1 | 1.8 | 0.134 |
| 80 05 15 1225 | | | .3 | 1 | 28525 | 6 | 1400 | 17000 | 10I | 100< | 14.0 | 11.2 | 1.6 | 0.077 |
| 80 06 11 1250 | | | .3 | 1 | 28569 | 6 | 2700C | 35000 | 210 | 120 | 16.0 | 9.8 | 1.6 | 0.085 |
| 80 07 07 1330 | | | .3 | 1 | 80051 | 8 | | | | | 24.0 | 8.6 | | 0.088 |
| 80 07 08 0045 | | | .3 | 1 | 80050 | 8 | | | | | 22.0 | 5.7 | | 0.127 |
| 80 07 16 1230 | | | .3 | 1 | 28619 | 6 | 1100C | 39000 | 200 | 160 | 25.0 | 9.0 | 1.6 | 0.090 |
| 80 08 18 1240 | | | .3 | 1 | 28655 | 6 | 3800C | 27000 | 140 | 150 | 22.0 | 8.8 | 1.6 | 0.072 |
| 80 09 25 1330 | | | .3 | 1 | 28713 | 6 | 11000 | 44000 | 260 | 40I | 21.8 | 12.2 | 1.9 | 0.052 |
| 80 10 22 1150 | | | .3 | 1 | 28756 | 6 | 500I | 2700 | 20I | 400 | 9.0 | 8.6 | 1.6 | 0.028 |
| 80 11 20 1155 | | | .3 | 1 | 28798 | 6 | 240 | 660 | 10I | 20I | 4.0 | 12.8 | 0.6 | 0.016 |
| 80 12 18 1225 | | | .3 | 1 | 28837 | 6 | 580C | 6200 | 20I | 10I | 3.0 | 13.6 | 1.1 | 0.028 |
| MAXIMUM | | | | | | | **11000** | **44000** | **1310** | **1500>** | **25.0** | **14.0** | **1.9** | **0.134** |
| ARITH MEAN | | | | | | | **2267** | **17598** | **184L** | **3198** | **13.0** | **10.6** | **1.3** | **0.069** |
| GEOM MEAN | | | | | | | **947** | **8106** | **42L** | **938** | **9.7** | **10.3** | **1.2** | **0.058** |
| MINIMUM | | | | | | | **80** | **420** | **4<** | **10<** | **2.8** | **5.7** | **0.4** | **0.016** |
| STD DEV | | | | | | | **3113** | **16046** | **367L** | **5168** | **8.7** | **2.5** | **0.5** | **0.042** |
| NO OF SAMPLES | | | | | | | **12** | **12** | **12** | **12** | **14** | **14** | **12** | **14** |

| | | | TEST-NAME: | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 28 1226 | | | .3 | 1 | 0.003 | 0.050 | 0.460 | 0.012 | 1.790 | 1.852 | 0.410 | 2.262 | 346.0 | 3.0 |
| 80 02 28 1210 | | | .3 | 1 | 0.002 | 0.050 | 0.490 | 0.018 | 1.930 | 1.998 | 0.440 | 2.438 | 419.0 | 2.0 |
| 80 03 26 1120 | | | .3 | 1 | 0.025 | 0.128 | 0.850 | 0.023 | 1.080 | 1.231 | 0.722 | 1.953 | 248.0 | 30.0 |
| 80 04 29 1145 | | | .3 | 1 | 0.002 | 0.052 | 0.970 | 0.017 | 1.030 | 1.099 | 0.918 | 2.017 | 357.0 | 64.0 |
| 80 05 15 1225 | | | .3 | 1 | 0.001 | 0.076 | 0.830 | 0.013 | 0.467 | 0.556 | 0.754 | 1.310 | 349.0 | 22.0 |
| 80 06 11 1250 | | | .3 | 1 | 0.002 | 0.058 | 1.000 | 0.023 | 0.782 | 0.863 | 0.942 | 1.805 | 398.0 | 32.0 |
| 80 07 07 1330 | | | .3 | 1 | 0.001 | 0.060 | 0.900 | 0.027 | 0.448 | 0.535 | 0.840 | 1.375 | | |
| 80 07 08 0045 | | | .3 | 1 | 0.003 | 0.058 | 0.970 | 0.031 | 0.379 | 0.468 | 0.912 | 1.380 | | |
| 80 07 16 1230 | | | .3 | 1 | 0.004 | 0.070 | 0.820 | 0.044 | 0.566 | 0.680 | 0.750 | 1.430 | 399.0 | 19.0 |
| 80 08 18 1240 | | | .3 | 1 | 0.005 | 0.050 | 0.82 | 0.020 | 0.690 | 0.760 | 0.770 | 1.530 | 392 | 19 |
| 80 09 25 1330 | | | .3 | 1 | 0.008 | 0.082 | 0.64 | 0.014 | 0.526 | 0.622 | 0.558 | 1.180 | 333 | 17 |
| 80 10 22 1150 | | | .3 | 1 | 0.007 | 0.142 | 0.670 | 0.013 | 0.682 | 0.837 | 0.528 | 1.365 | 352.0 | 5.0 |
| 80 11 20 1155 | | | .3 | 1 | 0.001< | 0.070 | 0.530 | 0.013 | 1.190 | 1.273 | 0.460 | 1.733 | 400.0 | 3.0 |

(CONTD)

B O W / SITE **NANTICOKE CREEK**
SAMPLE POINT **AT TOWNSHIP ROAD 7 EAST OF DAM WATERFORD**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ERIE**
TERM STREAM **NANTICOKE CREEK**

STATION ID **16-0164-003-02**
STORET CODE **02**
**003**
**0550**

LAT. LONG. U T M **17 0559350.0 4754200.0 4** REGION **02** DISTANCE **30.267**

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 12 18 1225 | | | .3 | 1 | 0.004 | 0.056 | 0.570 | 0.014 | 1 740 | 1.810 | 0.514 | 2.324 | 395.0 | 6.0 |
| MAXIMUM | | | | | 0.025 | 0.142 | 1.000 | 0.044 | 1.930 | 1.998 | 0.942 | 2.438 | 419.0 | 64.0 |
| ARITH MEAN | | | | | 0.005L | 0.072 | 0.75 | 0.020 | 0.950 | 1.042 | 0.680 | 1.722 | 385 | 18 |
| GEOM MEAN | | | | | 0.003L | 0.068 | 0.72 | 0.019 | 0.826 | 0.932 | 0.654 | 1.676 | 362 | 11 |
| MINIMUM | | | | | 0.001< | 0.050 | 0.460 | 0.012 | 0.379 | 0.468 | 0.410 | 1.180 | 248.0 | 2.0 |
| STD DEV | | | | | 0.006L | 0.029 | 0.18 | 0.009 | 0.532 | 0.522 | 0.190 | 0.417 | 46 | 17 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 28 1226 | | | .3 | 1 | 343 0 | 550.0 | 3.80 | 15.000 | 8 12 | |
| 80 02 28 1210 | | | .3 | 1 | 417 0 | 595.0 | 2.60 | 16 500 | 8 13 | |
| 80 03 26 1120 | | | .3 | 1 | 218 000 | 315.0 | 20.00 | 8 800 | 7 74 | |
| 80 04 29 1145 | | | .3 | 1 | 283.0 | 475.0 | 25.00 | 13 000 | 8 00 | |
| 80 05 15 1225 | | | .3 | 1 | 327.0 | 500.0 | 6 20 | 15.000 | 8 22 | |
| 80 06 11 1250 | | | .3 | 1 | 366 0 | 500.0 | 8.60 | 13 000 | 8 42 | |
| 80 07 07 1330 | | | .3 | 1 | | 500.0 | | | 8 27 | |
| 80 07 08 0045 | | | 3 | 1 | | 550.0 | | | 8 04 | 8.0 |
| 80 07 16 1230 | | | .3 | 1 | 380 0 | 500.0 | 5.30 | 19 500 | 8 09 | 8 1 |
| 80 08 18 1240 | | | 3 | 1 | 373 | 500 | 6 4 | 22 0 | 8 16 | 8 3 |
| 80 09 25 1330 | | | .3 | 1 | 316 | 500 | 1 7 | 19 5 | 8 25 | 8 0 |
| 80 10 22 1150 | | | .3 | 1 | 347 0 | 540.0 | 1 60 | 17 000 | 8 20 | 7 9 |
| 80 11 20 1155 | | | .3 | 1 | 397.0 | 580.0 | 1 20 | 19 000 | 8 22 | 8 3 |
| 80 12 18 1225 | | | .3 | 1 | 389.0 | 580.0 | 2 70 | 18 000 | 8 28 | |
| MAXIMUM | | | | | 417.0 | 595.0 | 25.00 | 22.0 | 8.42 | 8.3 |
| ARITH MEAN | | | | | 346 | 513 | 7.0 | 16.3 | 8.15 | 8.1 |
| GEOM MEAN | | | | | 341 | 508 | 4.5 | 15.9 | 8.15 | 8.1 |
| MINIMUM | | | | | 218.000 | 315.0 | 1.20 | 8.800 | 7.74 | 7.9 |
| STD DEV | | | | | 55 | 68 | 7.6 | 3.6 | 0.16 | 0.2 |
| NO OF SAMPLES | | | | | 12 | 14 | 12 | 12 | 14 | 6 |

B O W / SITE **NANTICOKE CREEK**
SAMPLE POINT **AT HIGHWAY NO 6 SOUTH WEST OF JARVIS**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ERIE**
TERM STREAM **NANTICOKE CREEK**

STATION ID **16-0164-004-02**
STORET CODE **02**
**003**
**0550**

LAT LONG: U T M **17 0571450.0 4745850.0 4** REGION **02** DISTANCE **15.610**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 28 1140 | | | 3 | 1 | 28323 | 4 | 140I | 880 | 10< | 20I | 0.8 | 13 6 | 0 6 | 0.044 |
| 80 02 28 1125 | | | .3 | 1 | 28358 | 4 | 280 | 2500 | 8 | 36 | 1.2 | 12.9 | 0 6 | 0.044 |
| 80 03 26 1025 | | | .3 | 1 | 28414 | 3 | 6000 | 24000 | 40I | 1500> | 3.8 | 12 9 | 1 2 | 0.308 |
| 80 04 29 1040 | | | .3 | 1 | 28485 | 3 | 7900C | 40000 | 810 | 11600 | 9.0 | 11.2 | 2.0 | 0.194 |
| 80 05 15 1030 | | | .3 | 1 | 28521 | 6 | 1100 | 26000 | 280 | 800I | 12.0 | 9 9 | 1.0 | 0.105 |
| 80 06 11 1130 | | | .3 | 1 | 28565 | 6 | 2400C | 45000 | 430 | 940 | 13.0 | 9.2 | 1.2 | 0.208 |
| 80 07 07 1225 | | | .3 | 1 | 80043 | 6 | | | | | 21.5 | 7.2 | | 0.260 |
| 80 07 08 0010 | | | .3 | 1 | 80042 | 6 | | | | | 22.5 | 7.1 | | 0 238 |
| 80 07 16 1110 | | | .3 | 1 | 28615 | 6 | 1200C | 29000 | 140I | 160I | 26.0 | 7 5 | 3.0 | 0.258 |
| 80 08 18 1125 | | | 3 | 1 | 28651 | 6 | 1800C | 46000 | 160I | 460 | 21 5 | 7.8 | 2.8 | 0.350 |
| 80 09 25 1230 | | | .3 | 1 | 28709 | 5 | 2900C | 15000> | 800 | 260 | 18 5 | 10.6 | 1.5 | 0.155 |
| 80 10 22 1320 | | | .3 | 1 | 28752 | 6 | 800I | 11000 | 80I | 1060 | 7 5 | 8.5 | 1.2 | 0.057 |
| 80 11 20 1110 | | | .3 | 1 | 28794 | 6 | 160I | 2800 | 180 | 60I | 3.0 | 12.0 | 0.8 | 0.024 |
| 80 12 18 1140 | | | 3 | 1 | 28833 | 4 | 840 | 4800 | 140 | 40I | 0.5 | 12 7 | 0.9 | 0 028 |
| MAXIMUM | | | | | | | 7900 | 46000> | 810 | 11600> | 26.0 | 13.6 | 3.0 | 0.350 |
| ARITH MEAN | | | | | | | 2127 | 20582G | 256L | 1411G | 11.5 | 10.2 | 1.4 | 0.162 |
| GEOM MEAN | | | | | | | 1105 | 11803G | 122L | 296G | 6.6 | 10.0 | 1.2 | 0.116 |
| MINIMUM | | | | | | | 140 | 880 | 8< | 20 | 0.5 | 7.1 | 0.6 | 0.024 |
| STD DEV | | | | | | | 2443 | 16881G | 282L | 3246G | 9.1 | 2.4 | 0.8 | 0.112 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 14 | 14 | 12 | 14 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 28 1140 | | | 3 | 1 | 0.021 | 0.118 | 0 580 | 0 015 | 2 330 | 2.463 | 0 462 | 2.925 | 386.0 | 6.0 |
| 80 02 28 1125 | | | 3 | 1 | 0.018 | 0 136 | 0.500 | 0.016 | 2.030 | 2.182 | 0.364 | 2.546 | 466.0 | 5.0 |
| 80 03 26 1025 | | | 3 | 1 | 0.046 | 0 124 | 0.980 | 0.031 | 2.170 | 2.325 | 0.856 | 3 181 | 270.0 | 36.0 |
| 80 04 29 1040 | | | .3 | 1 | 0.032 | 0.168 | 1.250 | 0.041 | 3 210 | 3.419 | 1.082 | 4.501 | 385.0 | 67.0 |
| 80 05 15 1030 | | | 3 | 1 | 0 017 | 0.058 | 0.850 | 0.033 | 1 370 | 1.461 | 0.792 | 2.253 | 416.0 | 43 0 |
| 80 06 11 1130 | | | 3 | 1 | 0.016 | 0 032 | 1 120 | 0.026 | 2.220 | 2.278 | 1 088 | 3.366 | 499.0 | 84.0 |
| 80 07 07 1225 | | | 3 | 1 | 0.022 | 0 018 | 1.350 | 0.013 | 0.407 | 0.438 | 1 332 | 1.770 | | |
| 80 07 08 0010 | | | .3 | 1 | 0.025 | 0 064 | 1.230 | 0 014 | 0 281 | 0 359 | 1 166 | 1 525 | | |
| 80 07 16 1110 | | | .3 | 1 | 0 017 | 0 136 | 1.480 | 0.012 | 0 013 | 0.161 | 1 344 | 1.505 | 509.0 | 83 0 |
| 80 08 18 1125 | | | .3 | 1 | 0 100 | 0 058 | 1.30 | 0.012 | 0.308 | 0 378 | 1.242 | 1 620 | 516 | 103 |
| 80 09 25 1230 | | | .3 | 1 | 0.053 | 0.054 | 0.82 | 0.030 | 1.93 | 2.014 | 0.766 | 2 780 | 412 | 48 |
| 80 10 22 1320 | | | .3 | 1 | 0.024 | 0.040 | 0 630 | 0.012 | 1 830 | 1.882 | 0 590 | 2.472 | 413.0 | 12.0 |
| 80 11 20 1110 | | | .3 | 1 | 0 001 | 0 008 | 0.550 | 0 011 | 1 590 | 1.609 | 0.542 | 2.151 | 428.0 | 4.0 |

(CONTD)

| TEST-NAME: | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 12 18 1140 | .3 | 1 | 0.009 | 0.060 | 0.610 | 0.016 | 2.690 | 2.766 | 0.550 | 3.316 | 466.0 | 5.0 |
| MAXIMUM | | | 0.100 | 0.168 | 1.480 | 0.041 | 3.210 | 3.419 | 1.344 | 4.501 | 518 | 103 |
| ARITH MEAN | | | 0.029 | 0.077 | 0.94 | 0.020 | 1.59 | 1.695 | 0.870 | 2.565 | 430 | 41 |
| GEOM MEAN | | | 0.020 | 0.059 | 0.88 | 0.018 | 0.97 | 1.251 | 0.804 | 2.437 | 424 | 23 |
| MINIMUM | | | 0.001 | 0.008 | 0.500 | 0.011 | 0.013 | 0.161 | 0.364 | 1.505 | 270.0 | 4.0 |
| STD DEV | | | 0.026 | 0.060 | 0.34 | 0.010 | 0.99 | 1.013 | 0.338 | 0.856 | 68 | 36 |
| NO OF SAMPLES | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 28 1140 | | | .3 | 1 | 380.0 | 580.0 | 6.60 | 22.500 | 8.05 | |
| 80 02 28 1125 | | | .3 | 1 | 461.0 | 650.0 | 3.90 | 23.500 | 8.05 | |
| 80 03 26 1025 | | | .3 | 1 | 234.000 | 360.0 | 32.00 | 13.500 | 7.97 | |
| 80 04 29 1040 | | | .3 | 1 | 318.0 | 500.0 | 36.00 | 21.500 | 7.99 | |
| 80 05 15 1030 | | | .3 | 1 | 373.0 | 600.0 | 28.00 | 24.000 | 8.02 | |
| 80 06 11 1130 | | | .3 | 1 | 415.0 | 550.0 | 47.00 | 19.500 | 8.20 | |
| 80 07 07 1225 | | | .3 | 1 | | 550.0 | | | 8.06 | |
| 80 07 08 0010 | | | .3 | 1 | | 550.0 | | | 8.23 | 8.2 |
| 80 07 16 1110 | | | .3 | 1 | 426.0 | 600.0 | 47.00 | 36.000 | 8.21 | 8.1 |
| 80 08 18 1125 | | | .3 | 1 | 413 | 600 | 56. | 39.0 | 8.07 | 8.2 |
| 80 09 25 1230 | | | .3 | 1 | 364 | 600 | 19 | 26.0 | 8.21 | 7.9 |
| 80 10 22 1320 | | | .3 | 1 | 401.0 | 620.0 | 4.30 | 27.000 | 8.20 | 7.9 |
| 80 11 20 1110 | | | .3 | 1 | 424.0 | 640.0 | 2.90 | 28.000 | 8.23 | 8.4 |
| 80 12 18 1140 | | | .3 | 1 | 461.0 | 700.0 | 4.10 | 28.500 | 8.23 | |
| MAXIMUM | | | | | 461.0 | 700.0 | 56 | 39.0 | 8.23 | 8.4 |
| ARITH MEAN | | | | | 389 | 578 | 23 | 25.7 | 8.12 | 8.1 |
| GEOM MEAN | | | | | 383 | 572 | 14 | 24.8 | 8.12 | 8.1 |
| MINIMUM | | | | | 234.000 | 360.0 | 2.90 | 13.500 | 7.97 | 7.9 |
| STD DEV | | | | | 63 | 80 | 19 | 6.8 | 0.10 | 0.2 |
| NO OF SAMPLES | | | | | 12 | 14 | 12 | 12 | 14 | 6 |

B.O.W./ SITE: **NANTICOKE CREEK**
SAMPLE POINT: **AT REGIONAL ROAD NO 5 NANTICOKE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **NANTICOKE CREEK**

STATION ID: **16-0164-005-02**
STORET CODE: **02**
**003**
**0550**

LAT:
LONG:
U T M: **17 0561400.0 4753375.0 4**
REGION: **02**
DISTANCE: **35.083**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 28 1220 | | | .3 | 1 | 28326 | 4 | 1000 | 6000 | 20I | 80I | 1.0 | 14.2 | 0.8 | 0.057 |
| 80 02 28 1205 | | | .3 | 1 | 28361 | 4 | 280 | 3600 | 30I | 10< | 1.5 | 13.4 | 0.4 | 0.054 |
| 80 03 26 1115 | | | .3 | 1 | 28417 | 3 | 5900 | 15000 | 40I | 1500> | 4.0 | 12.2 | 1.6 | 0.150 |
| 80 04 29 1140 | | | .3 | 1 | 28488 | 3 | 4000C | 27000 | 430 | 900I | 10.0 | 8.8 | 1.8 | 0.144 |
| 80 05 15 1215 | | | .3 | 1 | 28524 | 6 | 500C | 71000 | 40I | 100< | 13.5 | 11.4 | 2.0 | 0.138 |
| 80 06 11 1240 | | | .3 | 1 | 28568 | 6 | 4600C | 33000 | 700 | 260 | 16.0 | 10.4 | 1.6 | 0.178 |
| 80 07 07 1320 | | | .3 | 1 | 80049 | 6 | | | | | 24.0 | 7.2 | | 0.425 |
| 80 07 08 0040 | | | .3 | 1 | 80048 | 6 | | | | | 22.0 | 6.6 | | 0.480 |
| 80 07 16 1215 | | | .3 | 1 | 28618 | 6 | 1000C | 43000 | 860 | 380 | 26.0 | 8.9 | 3.8 | 0.390 |
| 80 08 18 1235 | | | .3 | 1 | 28654 | 6 | 3700C | 51000 | 680 | 800 | 22.0 | 9.1 | 3.0 | 0.265 |
| 80 09 25 1320 | | | .3 | 1 | 28712 | 5 | 10000C | 480000 | 480 | 80I | 21.0 | 12.4 | 1.5 | 0.128 |
| 80 10 22 1200 | | | .3 | 1 | 28755 | 6 | 200I | 3400 | 60I | 120I | 8.0 | 10.5 | 1.8 | 0.048 |
| 80 11 20 1145 | | | .3 | 1 | 28797 | 6 | 340 | 2400 | 10< | 40I | 3.5 | 11.6 | 1.8 | 0.026 |
| 80 12 18 1220 | | | .3 | 1 | 28836 | 6 | 1920C | 7800 | 80 | 28 | 1.5 | 14.1 | 1.6 | 0.037 |
| MAXIMUM | | | | | | | 10000 | 480000 | 860 | 1500> | 26.0 | 14.2 | 3.8 | 0.480 |
| ARITH MEAN | | | | | | | 2787 | 61933 | 286L | 358B | 12.4 | 10.8 | 1.8 | 0.180 |
| GEOM MEAN | | | | | | | 1430 | 18259 | 112L | 146B | 7.9 | 10.5 | 1.6 | 0.124 |
| MINIMUM | | | | | | | 200 | 2400 | 10< | 10< | 1.0 | 6.6 | 0.4 | 0.026 |
| STD DEV | | | | | | | 2995 | 133496 | 322L | 468B | 9.3 | 2.4 | 0.9 | 0.162 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 14 | 14 | 12 | 14 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 28 1220 | | | .3 | 1 | 0.020 | 0.248 | 0.800 | 0.016 | 1.830 | 2.094 | 0.552 | 2.646 | 367.0 | 9.0 |
| 80 02 28 1205 | | | .3 | 1 | 0.007 | 0.270 | 0.670 | 0.019 | 1.930 | 2.219 | 0.400 | 2.619 | 433.0 | 5.0 |
| 80 03 26 1115 | | | .3 | 1 | 0.035 | 0.216 | 0.950 | 0.027 | 1.220 | 1.463 | 0.734 | 2.197 | 251.0 | 33.0 |
| 80 04 29 1140 | | | .3 | 1 | 0.003 | 0.178 | 1.110 | 0.027 | 1.570 | 1.775 | 0.932 | 2.707 | 375.0 | 39.0 |
| 80 05 15 1215 | | | .3 | 1 | 0.011 | 0.104 | 1.110 | 0.021 | 0.629 | 0.754 | 1.006 | 1.760 | 385.0 | 36.0 |
| 80 06 11 1240 | | | .3 | 1 | 0.005 | 0.040 | 1.150 | 0.024 | 0.586 | 0.650 | 1.110 | 1.760 | 435.0 | 62.0 |
| 80 07 07 1320 | | | .3 | 1 | 0.033 | 0.254 | 2.030 | 0.066 | 0.499 | 0.819 | 1.776 | 2.595 | | |
| 80 07 08 0040 | | | .3 | 1 | 0.030 | 0.214 | 1.880 | 0.054 | 0.491 | 0.759 | 1.666 | 2.425 | | |
| 80 07 16 1215 | | | .3 | 1 | 0.045 | 0.118 | 1.900 | 0.125 | 0.450 | 0.693 | 1.782 | 2.475 | 565.0 | 124.0 |
| 80 08 18 1235 | | | .3 | 1 | 0.027 | 0.048 | 1.33 | 0.069 | 0.526 | 0.643 | 1.282 | 1.925 | 488 | 76 |
| 80 09 25 1320 | | | .3 | 1 | 0.033 | 0.090 | 0.82 | 0.040 | 0.635 | 0.765 | 0.730 | 1.495 | 379 | 37 |
| 80 10 22 1200 | | | .3 | 1 | 0.010 | 0.126 | 0.730 | 0.034 | 0.772 | 0.932 | 0.604 | 1.536 | 364.0 | 8.0 |
| 80 11 20 1145 | | | .3 | 1 | 0.001 | 0.144 | 0.630 | 0.023 | 1.480 | 1.647 | 0.486 | 2.133 | 422.0 | 5.0 |
| 80 12 18 1220 | | | .3 | 1 | 0.010 | 0.176 | 0.740 | 0.017 | 1.780 | 1.973 | 0.564 | 2.537 | 408.0 | 5.0 |
| MAXIMUM | | | | | 0.045 | 0.270 | 2.030 | 0.125 | 1.930 | 2.219 | 1.782 | 2.707 | 565.0 | 124.0 |
| ARITH MEAN | | | | | 0.019 | 0.159 | 1.13 | 0.040 | 1.028 | 1.228 | 0.973 | 2.201 | 406 | 38 |
| GEOM MEAN | | | | | 0.013 | 0.138 | 1.04 | 0.033 | 0.887 | 1.100 | 0.868 | 2.168 | 399 | 21 |
| MINIMUM | | | | | 0.001 | 0.040 | 0.630 | 0.016 | 0.450 | 0.643 | 0.400 | 1.495 | 251.0 | 5.0 |
| STD DEV | | | | | 0.014 | 0.075 | 0.48 | 0.030 | 0.574 | 0.601 | 0.485 | 0.433 | 75 | 38 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

(CONTD)

B O W / SITE: **NANTICOKE CREEK**
SAMPLE POINT: **AT REGIONAL ROAD NO 5 NANTICOKE**
STATION TYPE: **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ERIE**
TERM STREAM **NANTICOKE CREEK**

STATION ID **16-0164-005-02**
STORET CODE **02**
**003**
**0550**

LAT LONG U T M **17 0561400.0 4753375.0 4** REGION **02** DISTANCE **35.083**

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 28 1220 | | | .3 | 1 | 358.0 | 580.0 | 5.60 | 21.000 | 8.04 | |
| 80 02 28 1205 | | | .3 | 1 | 428.0 | 620.0 | 3.40 | 22.500 | 8.06 | |
| 80 03 26 1115 | | | .3 | 1 | 218.000 | 335.0 | 25.00 | 13.000 | 7.79 | |
| 80 04 29 1140 | | | .3 | 1 | 336.0 | 550.0 | 12.00 | 21.500 | 7.82 | |
| 80 05 15 1215 | | | .3 | 1 | 349.0 | 550.0 | 15.00 | 24.000 | 8.09 | |
| 80 06 11 1240 | | | .3 | 1 | 373.0 | 550.0 | 28.00 | 15.500 | 8.25 | |
| 80 07 07 1320 | | | .3 | 1 | | 550.0 | | | 7.92 | |
| 80 07 08 0040 | | | .3 | 1 | | 550.0 | | | 7.97 | 8.0 |
| 80 07 16 1215 | | | .3 | 1 | 441.0 | 600.0 | 42.00 | 42.500 | 8.04 | 8.0 |
| 80 08 18 1235 | | | .3 | 1 | 412 | 600 | 27 | 44.0 | 8.09 | 8.2 |
| 80 09 25 1320 | | | .3 | 1 | 342 | 550 | 15 | 27.0 | 8.14 | 8.0 |
| 80 10 22 1200 | | | .3 | 1 | 356.0 | 560.0 | 2.70 | 23.000 | 8.19 | 7.9 |
| 80 11 20 1145 | | | .3 | 1 | 417.0 | 620.0 | 2.20 | 27.500 | 8.09 | 8.0 |
| 80 12 18 1220 | | | .3 | 1 | 403.0 | 620.0 | 2.80 | 26.500 | 8.17 | |
| MAXIMUM | | | | | **441.0** | **620.0** | **42.00** | **44.0** | **8.25** | **8.2** |
| ARITH MEAN | | | | | **369** | **559** | **15** | **25.6** | **8.05** | **8.0** |
| GEOM MEAN | | | | | **364** | **554** | **9** | **24.2** | **8.05** | **8.0** |
| MINIMUM | | | | | **218.000** | **335.0** | **2.20** | **13.000** | **7.79** | **7.9** |
| STD DEV | | | | | **69** | **71** | **12** | **9.2** | **0.13** | **0.1** |
| NO OF SAMPLES | | | | | **12** | **14** | **12** | **12** | **14** | **6** |

B O W / SITE **NANTICOKE CREEK**
SAMPLE POINT: **LOT 23 CONC.11 FORMER TWP.OF TOWNSEND**
STATION TYPE **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM **NANTICOKE CREEK**

STATION ID: **16-0164-006-02**
STORET CODE: **02**
**003**
**0550**

LAT LONG U T M: **17 0568500.0 4750525.0 4** REGION: **02** DISTANCE: **22.691**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 28 1205 | | | .3 | 1 | 28325 | 4 | 180I | 2600 | 10< | 10I | 1.0 | 14.6 | 0.8 | 0.041 |
| 80 02 28 1150 | | | .3 | 1 | 28360 | 4 | 210 | 2300 | 10< | 36 | 1.0 | 13.0 | 0.8 | 0.045 |
| 80 03 26 1100 | | | .3 | 1 | 28416 | 3 | 4400 | 22000 | 20I | 1500> | 4.0 | 12.8 | 1.2 | 0.135 |
| 80 04 29 1120 | | | .3 | 1 | 28487 | 3 | 9900C | 60000 | 920 | 15000> | 8.5 | 9.3 | 1.6 | 0.125 |
| 80 05 15 1205 | | | .3 | 1 | 28523 | 6 | 900I | 18000 | 110 | 100< | 12.5 | 11.2 | 1.2 | 0.072 |
| 80 06 11 1230 | | | .3 | 1 | 28567 | 6 | 2900C | 65000 | 550 | 320 | 14.0 | 10.2 | 1.4 | 0.178 |
| 80 07 07 1300 | | | .3 | 1 | 80047 | 6 | | | | | 22.5 | 8.7 | | 0.260 |
| 80 07 08 0025 | | | .3 | 1 | 80046 | 6 | | | | | 22.0 | 7.3 | | 0.228 |
| 80 07 16 1200 | | | .3 | 1 | 28617 | 6 | 1100C | 49000 | 300 | 600 | 26.0 | 8.7 | 2.6 | 0.233 |
| 80 08 18 1220 | | | .3 | 1 | 28653 | 6 | 2000C | 55000 | 320 | 340 | 21.5 | 8.4 | 3.0 | 0.345 |
| 80 09 25 1305 | | | .3 | 1 | 28711 | 6 | 3500C | 15000> | 760 | 180I | 18.8 | 12.2 | 0.9 | 0.122 |
| 80 10 22 1305 | | | .3 | 1 | 28754 | 6 | 100I | 21000 | 40I | 120I | 8.0 | 11.0 | 1.4 | 0.051 |
| 80 11 20 1130 | | | .3 | 1 | 28796 | 6 | 60I | 3400 | 70I | 260 | 3.0 | 12.4 | 1.4 | 0.027 |
| 80 12 18 1205 | | | .3 | 1 | 28835 | 4 | 1100C | 5400 | 60I | 60I | 0.5 | 13.4 | 1.0 | 0.035 |
| MAXIMUM | | | | | | | **9900** | **65000>** | **920** | **15000>** | **26.0** | **14.6** | **3.0** | **0.345** |
| ARITH MEAN | | | | | | | **2196** | **26558G** | **264L** | **1544B** | **11.7** | **10.9** | **1.4** | **0.135** |
| GEOM MEAN | | | | | | | **881** | **15130G** | **103L** | **226B** | **6.7** | **10.7** | **1.3** | **0.101** |
| MINIMUM | | | | | | | **60** | **2300** | **10<** | **10<** | **0.5** | **7.3** | **0.8** | **0.027** |
| STD DEV | | | | | | | **2820** | **23958G** | **317L** | **4257B** | **9.2** | **2.2** | **0.7** | **0.100** |
| NO OF SAMPLES | | | | | | | **12** | **12** | **12** | **12** | **14** | **14** | **12** | **14** |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 28 1205 | | | .3 | 1 | 0.023 | 0.132 | 0.620 | 0.016 | 2.280 | 2.428 | 0.488 | 2.916 | 371.0 | 4.0 |
| 80 02 28 1150 | | | .3 | 1 | 0.016 | 0.166 | 0.530 | 0.017 | 2.030 | 2.213 | 0.364 | 2.577 | 440.0 | 6.0 |
| 80 03 26 1100 | | | .3 | 1 | 0.042 | 0.104 | 0.880 | 0.030 | 1.970 | 2.104 | 0.776 | 2.880 | 256.0 | 22.0 |
| 80 04 29 1120 | | | .3 | 1 | 0.017 | 0.086 | 1.030 | 0.032 | 2.970 | 3.088 | 0.944 | 4.032 | 393.0 | 37.0 |
| 80 05 15 1205 | | | .3 | 1 | 0.011 | 0.046 | 0.750 | 0.026 | 1.220 | 1.292 | 0.704 | 1.996 | 378.0 | 18.0 |
| 80 06 11 1230 | | | .3 | 1 | 0.014 | 0.020 | 1.020 | 0.023 | 1.830 | 1.873 | 1.000 | 2.873 | 464.0 | 55.0 |
| 80 07 07 1300 | | | .3 | 1 | 0.033 | 0.048 | 1.270 | 0.020 | 0.435 | 0.503 | 1.222 | 1.725 | | |
| 80 07 08 0025 | | | .3 | 1 | 0.031 | 0.044 | 1.100 | 0.020 | 0.445 | 0.509 | 1.056 | 1.565 | | |
| 80 07 16 1200 | | | .3 | 1 | 0.030 | 0.082 | 1.230 | 0.015 | 0.360 | 0.457 | 1.148 | 1.605 | 490.0 | 59.0 |
| 80 08 18 1220 | | | .3 | 1 | 0.122 | 0.058 | 1.30 | 0.013 | 0.392 | 0.463 | 1.242 | 1.705 | 472 | 63 |
| 80 09 25 1305 | | | .3 | 1 | 0.040 | 0.044 | 0.75 | 0.009 | 1.84 | 1.893 | 0.706 | 2.599 | 412 | 33 |
| 80 10 22 1305 | | | .3 | 1 | 0.022 | 0.050 | 0.570 | 0.014 | 1.740 | 1.804 | 0.520 | 2.324 | 400.0 | 9.0 |
| 80 11 20 1130 | | | .3 | 1 | 0.001 | 0.046 | 0.590 | 0.015 | 1.630 | 1.691 | 0.544 | 2.235 | 438.0 | 6.0 |
| 80 12 18 1205 | | | .3 | 1 | 0.010 | 0.082 | 0.670 | 0.016 | 2.780 | 2.878 | 0.588 | 3.466 | 451.0 | 7.0 |
| MAXIMUM | | | | | **0.122** | **0.166** | **1.30** | **0.032** | **2.970** | **3.088** | **1.242** | **4.032** | **490.0** | **63** |
| ARITH MEAN | | | | | **0.029** | **0.072** | **0.87** | **0.019** | **1.56** | **1.657** | **0.807** | **2.464** | **413** | **26** |
| GEOM MEAN | | | | | **0.020** | **0.063** | **0.83** | **0.018** | **1.25** | **1.383** | **0.756** | **2.367** | **408** | **17** |
| MINIMUM | | | | | **0.001** | **0.020** | **0.530** | **0.009** | **0.360** | **0.457** | **0.364** | **1.565** | **256.0** | **4.0** |
| STD DEV | | | | | **0.029** | **0.040** | **0.27** | **0.007** | **0.87** | **0.895** | **0.293** | **0.734** | **62** | **22** |
| NO OF SAMPLES | | | | | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **12** | **12** |

(CONTD)

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RSF RESIDUE FILTERED MG/L | COND25 CONDUCT. 25C UMHO/CM AT 25 C | TURB TURB'ITY FTU | CLIDUR CHLORIDE UNF.REAC MG/L AS CL | PH PH | FWPH PH FIELD |
|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 28 1205 | | | .3 | 1 | 367.0 | 590.0 | 4.60 | 21.500 | 7.86 | |
| 80 02 28 1150 | | | .3 | 1 | 434.0 | 640.0 | 3.70 | 22.500 | 8.03 | |
| 80 03 26 1100 | | | .3 | 1 | 234.000 | 360.0 | 22.00 | 12.500 | 7.97 | |
| 80 04 29 1120 | | | .3 | 1 | 356.0 | 550.0 | 17.00 | 20.500 | 7.90 | |
| 80 05 15 1205 | | | .3 | 1 | 360.0 | 550.0 | 12.00 | 23.500 | 8.02 | |
| 80 06 11 1230 | | | .3 | 1 | 409.0 | 550.0 | 30.00 | 18.500 | 8.08 | |
| 80 07 07 1300 | | | .3 | 1 | | 550.0 | | | 8.20 | |
| 80 07 08 0025 | | | .3 | 1 | | 550.0 | | | 8.29 | 8.4 |
| 80 07 16 1200 | | | .3 | 1 | 431.0 | 600.0 | 29.00 | 38.000 | 8.12 | 8.1 |
| 80 08 18 1220 | | | .3 | 1 | 409 | 600 | 35 | 40.5 | 8.14 | 8.25 |
| 80 09 25 1305 | | | .3 | 1 | 379 | 600 | 16 | 27.0 | 8.25 | 8.1 |
| 80 10 22 1305 | | | .3 | 1 | 391.0 | 620.0 | 4.40 | 25.500 | 8.29 | 8.0 |
| 80 11 20 1130 | | | .3 | 1 | 432.0 | 640.0 | 2.30 | 27.500 | 8.21 | 8.4 |
| 80 12 18 1205 | | | .3 | 1 | 444.0 | 660.0 | 4.00 | 27.500 | 7.94 | |
| MAXIMUM | | | | | 444.0 | 660.0 | 35 | 40.5 | 8.29 | 8.4 |
| ARITH MEAN | | | | | 387 | 575 | 15 | 25.4 | 8.09 | 8.2 |
| GEOM MEAN | | | | | 382 | 570 | 10 | 24.3 | 8.09 | 8.2 |
| MINIMUM | | | | | 234.000 | 360.0 | 2.30 | 12.500 | 7.86 | 8.0 |
| STD DEV | | | | | 57 | 72 | 11 | 7.7 | 0.14 | 0.1 |
| NO OF SAMPLES | | | | | 12 | 14 | 12 | 12 | 14 | 6 |

B.O.W./ SITE: **SANDUSK CREEK**
SAMPLE POINT: **AT HALDIMAND COUNTY ROAD NO 11**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **SANDUSK CREEK**

STATION ID: **16-0170-002-02**
STORET CODE: **02**
**003**
**0490**

LAT LONG U T M: **17 0582200.0 4741550.0 4** REGION: **02** DISTANCE: **4.506**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE SAMPLE NUMBER | FWSTRC STREAM COND. | TCMF COLIFORM TOTAL MF CNT /100ML | TCMFBK COLIFORM TOTAL MF BCKGRD CNT /100ML | FCMF FECAL COLIFORM MF CNT /100ML | FSMF FECAL STREPCUS MF CNT /100ML | FWTEMP WATER TEMP DEG.C | DO DISOLVED OXYGEN MG/L AS O | BOD5 BOD 5 DAY TOT.DEM. MG/L AS O | PPUT PHOSPHOR UNF.TOT. MG/L AS P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 28 1610 | | | .3 | 1 | 28329 | 4 | 1780C | 16000 | 40I | 80I | 1.1 | 12.4 | 1.2 | 0.157 |
| 80 02 28 1550 | | | .3 | 1 | 28371 | 4 | 600C | 110000 | 440 | 1100 | 1.2 | 11.0 | 6.2 | 0.372 |
| 80 03 26 1435 | | | .3 | 1 | 28427 | 3 | 10000 | 80000 | 150I | 1000 | 4.5 | 12.6 | 2.0 | 0.248 |
| 80 04 29 1615 | | | .3 | 1 | 28498 | 3 | 14000 | 128000 | 560 | 7000 | 11.0 | 9.1 | 3.6 | 0.295 |
| 80 05 15 1540 | | | .3 | 1 | 28527 | 6 | 100< | 4800 | 20< | 50< | 14.0 | 11.2 | 3.6 | 0.248 |
| 80 06 11 1520 | | | .3 | 1 | 28571 | 6 | 4100 | 7100 | 820 | 250 | 15.0 | 8.1 | 1.8 | 0.242 |
| 80 07 07 1730 | | | .3 | 1 | 80069 | 6 | | | | | 24.5 | 6.2 | | 0.140 |
| 80 07 08 0430 | | | .3 | 1 | 80068 | 6 | | | | | 22.0 | 5.1 | | 0.165 |
| 80 07 16 1445 | | | .3 | 1 | 28621 | 6 | 500I | 10600 | 180I | 60I | 26.5 | 8.8 | 1.6 | 0.100 |
| 80 08 18 1520 | | | .3 | 1 | 28657 | 6 | 300 | 150000 | 70I | 130 | 23.0 | 6.9 | 2.5 | 0.150 |
| 80 09 25 1415 | | | .3 | 1 | 28715 | 5 9 | 1700 | 21000 | 200 | 20I | 21.8 | 13.7 | 5.2 | 0.162 |
| 80 10 22 1105 | | | .3 | 1 | 28758 | 6 9 | 2200C | 56000 | 440 | 300 | 8.5 | 10.1 | 4.6 | 0.248 |
| 80 11 20 1315 | | | .3 | 1 | 28800 | 6 | 100I | 2200 | 20< | 20< | 4.0 | 10.6 | 1.2 | 0.060 |
| 80 12 18 1315 | | | .3 | 1 | 28839 | 4 | 280C | 7000 | 10I | 50I | 0.5 | 12.2 | 1.1 | 0.165 |
| MAXIMUM | | | | | | | 14000 | 150000 | 820 | 7000 | 26.5 | 13.7 | 6.2 | 0.372 |
| ARITH MEAN | | | | | | | 2972L | 49392 | 246L | 838L | 12.7 | 9.9 | 2.9 | 0.197 |
| GEOM MEAN | | | | | | | 997L | 22593 | 115L | 163L | 7.5 | 9.5 | 2.4 | 0.179 |
| MINIMUM | | | | | | | 100< | 2200 | 10< | 20< | 0.5 | 5.1 | 1.1 | 0.060 |
| STD DEV | | | | | | | 4457L | 54089 | 261L | 1976L | 9.6 | 2.6 | 1.7 | 0.083 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 14 | 14 | 12 | 14 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PPO4FR PO4 FIL.REAC MG/L AS P | NNHTFR NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR NO2-N FIL.REAC MG/L AS N | NNO3FR NO3-N FIL.REAC MG/L AS N | NNTIFR ORG N TOTAL FIL.REAC MG/L | NNKUR KJELDAHL ORGANIC UNF.REAC MG/L | NNKI TOTAL N MG/L AS N | RST RESIDUE TOTAL MG/L | RSP RESIDUE PARTIC. MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 28 1610 | | | .3 | 1 | 0.083 | 0.284 | 1.240 | 0.041 | 2.460 | 2.785 | 0.956 | 3.741 | 375.0 | 7.0 |
| 80 02 28 1550 | | | .3 | 1 | 0.220 | 1.750 | 4.230 | 0.059 | 2.690 | 4.499 | 2.480 | 6.979 | 390.0 | 28.0 |
| 80 03 26 1435 | | | .3 | 1 | 0.086 | 0.226 | 1.730 | 0.064 | 2.840 | 3.130 | 1.504 | 4.634 | 286.0 | 68.0 |
| 80 04 29 1615 | | | .3 | 1 | 0.046 | 0.138 | 2.200 | 0.045 | 2.670 | 2.853 | 2.062 | 4.915 | 459.0 | 97.0 |
| 80 05 15 1540 | | | .3 | 1 | 0.012 | 0.020 | 1.400 | 0.005 | 0.005 | 0.030 | 1.380 | 1.410 | 377.0 | 64.0 |
| 80 06 11 1520 | | | .3 | 1 | 0.071 | 0.160 | 1.980 | 0.235 | 11.300 | 11.695 | 1.820 | 13.515 | 493.0 | 63.0 |
| 80 07 07 1730 | | | .3 | 1 | 0.030 | 0.190 | 1.430 | 0.100 | 1.650 | 1.940 | 1.240 | 3.180 | | |
| 80 07 08 0430 | | | .3 | 1 | 0.036 | 0.218 | 1.430 | 0.115 | 1.630 | 1.963 | 1.212 | 3.175 | | |
| 80 07 16 1445 | | | .3 | 1 | 0.023 | 0.158 | 1.220 | 0.085 | 1.320 | 1.563 | 1.062 | 2.625 | 521.0 | 28.0 |
| 80 08 18 1520 | | | .3 | 1 | 0.016 | 0.179 | 1.68 | 0.060 | 1.49 | 1.729 | 1.501 | 3.230 | 744 | 47 |
| 80 09 25 1415 | | | .3 | 1 | 0.028 | 0.066 | 1.68 | 0.063 | 0.597 | 0.726 | 1.614 | 2.340 | 404 | 45 |
| 80 10 22 1105 | | | .3 | 1 | 0.120 | 0.700 | 2.290 | 0.125 | 2.900 | 3.725 | 1.590 | 5.315 | 667.0 | 37.0 |
| 80 11 20 1315 | | | .3 | 1 | 0.014 | 0.034 | 0.880 | 0.010 | 1.090 | 1.134 | 0.846 | 1.980 | 690.0 | 16.0 |
| 80 12 18 1315 | | | .3 | 1 | 0.087 | 0.076 | 1.400 | 0.048 | 7.450 | 7.574 | 1.324 | 8.898 | 487.0 | 11.0 |
| MAXIMUM | | | | | 0.220 | 1.750 | 4.230 | 0.235 | 11.300 | 11.695 | 2.480 | 13.515 | 744 | 97.0 |
| ARITH MEAN | | | | | 0.062 | 0.300 | 1.77 | 0.075 | 2.86 | 3.239 | 1.471 | 4.710 | 491 | 42 |
| GEOM MEAN | | | | | 0.044 | 0.160 | 1.64 | 0.054 | 1.46 | 1.922 | 1.414 | 3.934 | 472 | 33 |
| MINIMUM | | | | | 0.012 | 0.020 | 0.880 | 0.005 | 0.005 | 0.030 | 0.846 | 1.410 | 286.0 | 7.0 |
| STD DEV | | | | | 0.057 | 0.449 | 0.80 | 0.058 | 2.98 | 3.063 | 0.438 | 3.243 | 142 | 26 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RSF RESIDUE FILTERED MG/L | COND25 CONDUCT. 25C UMHO/CM AT 25 C | TURB TURB'ITY FTU | CLIDUR CHLORIDE UNF.REAC MG/L AS CL | PH PH | FWPH PH FIELD |
|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 28 1610 | | | .3 | 1 | 368.0 | 550.0 | 54.00 | 31.500 | 7.70 | |
| 80 02 28 1550 | | | .3 | 1 | 362.0 | 505.0 | 27.00 | 41.500 | 7.64 | |
| 80 03 26 1435 | | | .3 | 1 | 218.000 | 335.0 | 88.00 | 14.500 | 7.91 | |
| 80 04 29 1615 | | | .3 | 1 | 362.0 | 500.0 | 63.00 | 26.500 | 7.87 | |
| 80 05 15 1540 | | | .3 | 1 | 313.0 | 460.0 | 52.00 | 29.000 | 8.17 | |
| 80 06 11 1520 | | | .3 | 1 | 430.0 | 500.0 | 92.00 | 25.5 | 7.96 | |
| 80 07 07 1730 | | | .3 | 1 | | 600.0 | | | 7.89 | |
| 80 07 08 0430 | | | .3 | 1 | | 600.0 | | | 7.87 | 7.80 |
| 80 07 16 1445 | | | .3 | 1 | 493.0 | 600.0 | 33.00 | 37.500 | 8.01 | 8.1 |
| 80 08 18 1520 | | | .3 | 1 | 697 | 1000 | 35 | 102 | 7.80 | 8.0 |
| 80 09 25 1415 | | | .3 | 1 | 359 | 550 | 33 | 36.0 | 8.00 | 8.25 |
| 80 10 22 1105 | | | .3 | 1 | 630.0 | 940.0 | 4.50 | 93.000 | 7.95 | 7.45 |
| 80 11 20 1315 | | | .3 | 1 | 674.0 | 920.0 | 9.80 | 69.000 | 8.03 | 7.9 |

(CONTD)

B O W / SITE **SANDUSK CREEK**
SAMPLE POINT **AT HALDIMAND COUNTY ROAD NO 11**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ERIE**
TERM STREAM **SANDUSK CREEK**

STATION ID **16-0170-002-02**
STORET CODE **02**
**003**
**0490**

LAT LONG U T M **17 0582200.0 4741550.0 4** REGION **02** DISTANCE **4.506**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RSF<br>RESIDUE FILTERED MG/L | COND25<br>CONDUCT. 25C UMHO/CM AT 25 C | TURB<br>TURB'ITY FTU | CLIDUR<br>CHLORIDE UNF.REAC MG/L AS CL | PH<br>PH | FWPH<br>PH FIELD |
|---|---|---|---|---|---|---|---|---|---|---|
| 80 12 18 1315 | | | 3 | 1 | 476.0 | 680.0 | 28.00 | 39.500 | 8.01 | |
| MAXIMUM | | | | | 697 | 1000 | 92.00 | 102 | 8.17 | 8.25 |
| ARITH MEAN | | | | | 448 | 624 | 43 | 45 | 7.91 | 7.9 |
| GEOM MEAN | | | | | 425 | 598 | 33 | 39 | 7.91 | 7.9 |
| MINIMUM | | | | | 218.000 | 335.0 | 4.50 | 14.500 | 7.64 | 7.45 |
| STD DEV | | | | | 150 | 196 | 27 | 27 | 0.14 | 0.2 |
| NO OF SAMPLES | | | | | 12 | 14 | 12 | 12 | 14 | 6 |

B O W / SITE **SANDUSK CREEK**
SAMPLE POINT **FIRST BRIDGE DOWNSTREAM OF JARVIS LAGOON**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ERIE**
TERM STREAM **SANDUSK CREEK**

STATION ID **16-0170-003-02**
STORET CODE **02**
**003**
**0490**

LAT LONG U T M **17 0573350.0 4746900.0 4** REGION **02** DISTANCE **17.702**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE<br>SAMPLE NUMBER | FWSTRC<br>STREAM COND. | TCMF<br>COLIFORM TOTAL MF CNT /100ML | TCMFBK<br>COLIFORM TOTAL MF BCKGRD CNT /100ML | FCMF<br>FECAL COLIFORM MF CNT /100ML | FSMF<br>FECAL STREPCUS MF CNT /100ML | FWTEMP<br>WATER TEMP DEG.C | DO<br>DISOLVED OXYGEN MG/L AS O | BOD5<br>BOD 5 DAY TOT.DEM. MG/L AS O | PPUT<br>PHOSPHOR UNF.TOT. MG/L AS P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 28 1130 | | | 3 | 1 | 28322 | 4 | 2400 | 15000 | 80I | 60I | 1.0 | 10.4 | 2.4 | 0.173 |
| 80 02 28 1115 | | | 3 | 1 | 28357 | 4 | 160I | 2200 | 20< | 20< | 1.5 | 9.3 | 3.2 | 0.305 |
| 80 03 26 1030 | | | 3 | 1 | 28413 | 3 | 8300C | 32000 | 50I | 550 | 4.0 | 12.3 | 1.0 | 1.680 |
| 80 04 29 1030 | | | 3 | 1 | 28484 | 3 | 57000 | 175000 | 1500 | 3600 | 9.0 | 11.1 | 12.0 | 0.540 |
| 80 05 15 1025 | | | 3 | 1 | 28520 | 6 | 3600C | 47000 | 720 | 200I | 11.0 | 12.1 | 2.4 | 0.206 |
| 80 06 11 1120 | | | 3 | 1 | 28564 | 6 | 5000 | 48000 | 940 | 230 | 14.0 | 10.4 | 1.4 | 0.215 |
| 80 07 07 1215 | | | 3 | 1 | 80041 | 7 | | | | | 19.5 | 5.8 | | 0.125 |
| 80 07 08 0005 | | | 3 | 1 | 80040 | 7 | | | | | 19.0 | 5.5 | | 0.090 |
| 80 07 16 1100 | | | 3 | 1 | 28614 | 6 | 1900 | 23000 | 80I | 120 | 22.0 | 4.6 | 3.0 | 0.158 |
| 80 08 18 1120 | | | 3 | 1 | 28650 | 6 | 1900 | 26000 | 110 | 610 | 20.5 | 4.5 | 2.0 | 0.163 |
| 80 09 25 1220 | | | 3 | 1 | 28708 | 5 | 11000 | 280000 | 320 | 3000> | 19.5 | 4.8 | 5.4 | 2.56 |
| 80 10 22 1350 | | | 3 | 1 | 28751 | 6 | 80000C | 280000 | 3000> | 4040 | 8.0 | 9.5 | 5.2 | 0.412 |
| 80 11 20 1100 | | | 3 | 1 | 28793 | 6 | 100< | 4100 | 100< | 100< | 3.0 | 9.7 | 2.6 | 0.155 |
| 80 12 18 1125 | | | 3 | 1 | 28832 | 4 | 1340C | 5400 | 10I | 110 | 0.5 | 10.6 | 1.1 | 0.142 |
| MAXIMUM | | | | | | | 80000 | 280000 | 3000> | 4040> | 22.0 | 12.3 | 12.0 | 2.66 |
| ARITH MEAN | | | | | | | 14392L | 78142 | 577B | 1053B | 10.9 | 8.6 | 3.5 | 0.49 |
| GEOM MEAN | | | | | | | 3251L | 29491 | 172B | 318B | 6.6 | 8.1 | 2.7 | 0.27 |
| MINIMUM | | | | | | | 100< | 2200 | 10< | 20< | 0.5 | 4.5 | 1.0 | 0.090 |
| STD DEV | | | | | | | 25948L | 104954 | 894B | 1531B | 8.1 | 2.9 | 3.0 | 0.72 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 14 | 14 | 12 | 14 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PPO4FR<br>PO4 FIL.REAC MG/L AS P | NNHTFR<br>NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR<br>K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR<br>NO2-N FIL.REAC MG/L AS N | NNO3FR<br>NO3-N FIL.REAC MG/L AS N | NNTIFR<br>ORG N TOTAL FIL.REAC MG/L | NNKUR<br>KJELDAHL ORGANIC UNF.REAC MG/L | NNKI<br>TOTAL N MG/L AS N | RST<br>RESIDUE TOTAL MG/L | RSP<br>RESIDUE PARTIC. MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 28 1130 | | | 3 | 1 | 0.068 | 0.354 | 1.620 | 0.020 | 1.080 | 1.454 | 1.266 | 2.720 | 1391.0 | 49.0 |
| 80 02 28 1115 | | | 3 | 1 | 0.082 | 1.060 | 2.990 | 0.058 | 2.190 | 3.308 | 1.930 | 5.238 | 906.0 | 27.0 |
| 80 03 26 1030 | | | 3 | 1 | 0.067 | 0.140 | 1.430 | 0.042 | 2.160 | 2.342 | 1.290 | 3.632 | 296.0 | 26.0 |
| 80 04 29 1030 | | | 3 | 1 | 0.096 | 0.410 | 4.350 | 0.073 | 2.330 | 2.813 | 3.940 | 6.753 | 386.0 | 59.0 |
| 80 05 15 1025 | | | 3 | 1 | 0.063 | 0.114 | 1.480 | 0.043 | 0.577 | 0.734 | 1.366 | 2.100 | 587.0 | 15.0 |
| 80 06 11 1120 | | | 3 | 1 | 0.100 | 0.038 | 1.480 | 0.048 | 0.757 | 0.843 | 1.442 | 2.285 | 396.0 | 15.0 |
| 80 07 07 1215 | | | 3 | 1 | 0.048 | 0.252 | 1.300 | 0.031 | 0.149 | 0.432 | 1.048 | 1.480 | | |
| 80 07 08 0005 | | | 3 | 1 | 0.048 | 0.260 | 1.170 | 0.026 | 0.154 | 0.440 | 0.910 | 1.350 | | |
| 80 07 16 1100 | | | 3 | 1 | 0.052 | 0.510 | 1.680 | 0.059 | 0.266 | 0.835 | 1.170 | 2.005 | 599.0 | 35.0 |
| 80 08 18 1120 | | | 3 | 1 | 0.095 | 0.374 | 1.33 | 0.034 | 0.186 | 0.594 | 0.956 | 1.550 | 529 | 11 |
| 80 09 25 1220 | | | 3 | 1 | 2.4 | 0.040 | 8.70 | 0.800 | 1.7 | 2.540 | 8.660 | 11.200 | 507 | 12 |
| 80 10 22 1350 | | | 3 | 1 | 0.170 | 3.860 | 6.710 | 0.015 | 1.030 | 4.905 | 2.850 | 7.755 | 511.0 | 18.0 |
| 80 11 20 1100 | | | 3 | 1 | 0.105 | 0.042 | 0.700 | 0.008 | 0.817 | 0.867 | 0.658 | 1.525 | 698.0 | 7.0 |
| 80 12 18 1125 | | | 3 | 1 | 0.086 | 0.042 | 1.000 | 0.006 | 2.300 | 2.348 | 0.958 | 3.306 | 945.0 | 11.0 |
| MAXIMUM | | | | | 2.4 | 3.860 | 8.70 | 0.800 | 2.330 | 4.905 | 8.660 | 11.200 | 1391.0 | 59.0 |
| ARITH MEAN | | | | | 0.2 | 0.535 | 2.56 | 0.090 | 1.1 | 1.747 | 2.032 | 3.778 | 646 | 23 |
| GEOM MEAN | | | | | 0.1 | 0.210 | 1.91 | 0.036 | 0.7 | 1.316 | 1.536 | 2.990 | 590 | 19 |
| MINIMUM | | | | | 0.048 | 0.038 | 0.700 | 0.006 | 0.149 | 0.432 | 0.658 | 1.350 | 296.0 | 7.0 |
| STD DEV | | | | | 0.6 | 0.995 | 2.39 | 0.205 | 0.8 | 1.336 | 2.100 | 2.944 | 305 | 16 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RSF<br>RESIDUE FILTERED MG/L | COND25<br>CONDUCT. 25C UMHO/CM AT 25 C | TURB<br>TURB'ITY FTU | CLIDUR<br>CHLORIDE UNF.REAC MG/L AS CL | PH<br>PH | FWPH<br>PH FIELD |
|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 28 1130 | | | 3 | 1 | 1342.0 | 2250.0 | 33.00 | 463.000 | 7.74 | |
| 80 02 28 1115 | | | 3 | 1 | 879.0 | 1425.0 | 26.00 | 270.000 | 7.62 | |
| 80 03 26 1030 | | | 3 | 1 | 270.000 | 415.0 | 46.00 | 32.000 | 7.86 | |
| 80 04 29 1030 | | | 3 | 1 | 327.0 | 480.0 | 33.00 | 25.000 | 7.72 | |
| 80 05 15 1025 | | | 3 | 1 | 572.0 | 800.0 | 14.00 | 61.000 | 7.74 | |
| 80 06 11 1120 | | | 3 | 1 | 381.0 | 490.0 | 55.00 | 23.500 | 8.08 | |
| 80 07 07 1215 | | | 3 | 1 | | 700.0 | | | 7.76 | |
| 80 07 08 0005 | | | 3 | 1 | | 700.0 | | | 7.94 | 7.8 |
| 80 07 16 1100 | | | 3 | 1 | 564.0 | 750.0 | 13.00 | 48.000 | 7.77 | 7.6 |
| 80 08 18 1120 | | | 3 | 1 | 518 | 750 | 4.2 | 63 | 7.69 | 7.8 |
| 80 09 25 1220 | | | 3 | 1 | 495 | 800 | 3.9 | 80 | 7.52 | 7.65 |
| 80 10 22 1350 | | | 3 | 1 | 493.0 | 800.0 | 6.00 | 76.500 | 7.92 | 7.6 |
| 80 11 20 1100 | | | 3 | 1 | 691.0 | 1040.0 | 13.00 | 176.000 | 7.88 | 7.4 |
| 80 12 18 1125 | | | 3 | 1 | 934.0 | 1450.0 | 8.40 | 172.000 | 7.82 | |

(CONTD)

| TEST-NAME: | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT / STN STN DIST BRG FEET / SAMP DEPTH MTRS / PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| MAXIMUM | 1342.0 | 2250.0 | 55.00 | 463.000 | 8.08 | 7.8 |
| ARITH MEAN | 822 | 917 | 21.2 | 124 | 7.79 | 7.6 |
| GEOM MEAN | 564 | 824 | 15.0 | 81 | 7.79 | 7.6 |
| MINIMUM | 270.000 | 416.0 | 3.9 | 23 600 | 7.52 | 7.4 |
| STD DEV | 302 | 492 | 17.1 | 130 | 0.14 | 0.1 |
| NO OF SAMPLES | 12 | 14 | 12 | 12 | 14 | 6 |

B.O.W / SITE: **NITH RIVER**
SAMPLE POINT: **AT HIGHWAY 24A PARIS**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-009-02**
STORET CODE: **02**
**003**
**0150**

LAT LONG: U T M: **17 0550125.0 4782150.0 4** REGION: **02** DISTANCE: **121.180**

| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE: SAMPLE NUMBER | FWSTRC: STREAM COND. | TCMF: COLIFORM TOTAL MF CNT /100ML | TCMFBK: COLIFORM TOTAL MF BCKGRD CNT /100ML | FCMF: FECAL COLIFORM MF CNT /100ML | FSMF: FECAL STREPCUS MF CNT /100ML | FWTEMP: WATER TEMP DEG.C | DO: DISOLVED OXYGEN MG/L AS O | BOD5: BOD 5 DAY TOT.DEM. MG/L AS O | PPUT: PHOSPHOR UNF.TOT. MG/L AS P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 07 1300 | | .3 | 1 | 29009 | 6 | 200 | 1340 | 10I | 70I | 1.0 | 11 6 | 0.4 | 0.036 |
| 80 02 05 1045 | | .3 | 1 | 29050 | 6 | 60I | 140 | 4< | 4< | 1.0 | 13 2 | 0.2 | 0.031 |
| 80 03 12 1340 | | .3 | 1 | 29091 | 6 | 60I | 1200 | 4< | 44 | 1.0 | 15.8 | 0.6 | 0.026 |
| 80 04 16 1010 | | .3 | 1 | 29132 | 3 6 | 5600C | 48000 | 1300 | 3000> | 1.7 | 12.3 | 2.4 | 0 985 |
| 80 05 13 1240 | | .3 | 1 | 29173 | 6 | 400I | 11000 | 20I | 100< | 12 5 | 10.5 | 1.4 | 0 032 |
| 80 06 10 1300 | | .3 | 1 | 29214 | 6 | 180 | 9000 | 20 | 10I | 14.0 | 10.8 | 0.6 | 0.035 |
| 80 07 10 1535 | | .3 | 1 | 80159 | 6 | | | | | 26.5 | 7.8 | | 0.030 |
| 80 07 11 0255 | | 3 | 1 | 80158 | 6 | | | | | 22.5 | 5.9 | | 0.035 |
| 80 07 16 1300 | | 3 | 1 | 29255 | 6 | 200 | 24000 | 60I | 70I | 22.5 | 8.5 | 1.6 | 0.038 |
| 80 08 12 1300 | | .3 | 1 | 29296 | 6 | 6000 | 375000 | 760 | 300 | 21.5 | 9.1 | 3.2 | 0 143 |
| 80 09 04 1200 | | .3 | 1 | 29337 | 6 | 300< | 19000 | 100< | 280 | 21.0 | 10.0 | 0 6 | 0 040 |
| 80 10 27 1355 | | .3 | 1 | 29378 | 6 | 540C | 5600 | 70I | 160I | 6.0 | 13.2 | 0 8 | 0.034 |
| 80 11 20 1339 | | .3 | 1 | 29419 | 6 | 440 | 2200 | 10< | 70I | 2.6 | 13.4 | 2.0 | 0.013 |
| 80 12 16 1310 | | 3 | 1 | 29460 | 6 | 2020C | 10800 | 30I | 10I | 0.1 | 13.9 | 1 2 | 0.060 |
| MAXIMUM | | | | | | 6000 | 375000 | 1300 | 3000> | 26.5 | 15.8 | 3.2 | 0.985 |
| ARITH MEAN | | | | | | 1333L | 42273 | 199L | 3438 | 11.0 | 11.1 | 1.2 | 0.110 |
| GEOM MEAN | | | | | | 438L | 7337 | 38L | 738 | 4.7 | 10.8 | 1.0 | 0.046 |
| MINIMUM | | | | | | 60< | 140 | 4< | 4< | 0.1 | 5.9 | 0.2 | 0.013 |
| STD DEV | | | | | | 2152L | 105649 | 406L | 8428 | 10.1 | 2.7 | 0.9 | 0.254 |
| NO OF SAMPLES | | | | | | 12 | 12 | 12 | 12 | 14 | 14 | 12 | 14 |

| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PPO4FR: PO4 FIL.REAC MG/L AS P | NNHTFR: NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR: K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR: NO2-N FIL.REAC MG/L AS N | NNO3FR: NO3-N FIL.REAC MG/L AS N | NNTIFR: ORG N TOTAL FIL.REAC MG/L | NNKUR: KJELDAHL ORGANIC UNF.REAC MG/L | NNKI: TOTAL N MG/L AS N | RST: RESIDUE TOTAL MG/L | RSP: RESIDUE PARTIC. MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 07 1300 | | .3 | 1 | 0 017 | 0.050 | 0.460 | 0 016 | 4.930 | 4 996 | 0.410 | 5.406 | 570.00 | 3.00 |
| 80 02 05 1045 | | .3 | 1 | 0.020 | 0.035 | 0 330 | 0 018 | 4.920 | 4.973 | 0.295 | 5.268 | 600.00 | 2.00 |
| 80 03 12 1340 | | .3 | 1 | 0.002 | 0.032 | 0.490 | 0.020 | 3.980 | 4.032 | 0 458 | 4.490 | 540.00 | 6.00 |
| 80 04 16 1010 | | .3 | 1 | 0.080 | 0.202 | 2.800 | 0.050 | 4 300 | 4.552 | 2.598 | 7.150 | 897.00 | 617.00 |
| 80 05 13 1240 | | .3 | 1 | 0 001 | 0.026 | 0 600 | 0 019 | 2.230 | 2.275 | 0.574 | 2.849 | 486.00 | 8.00 |
| 80 06 10 1300 | | .3 | 1 | 0 001 | 0.028 | 0.700 | 0.026 | 2.720 | 2 774 | 0.672 | 3.446 | 506 0 | 12.0 |
| 80 07 10 1535 | | .3 | 1 | 0 003 | 0.026 | 0 430 | 0.010 | 1.740 | 1.776 | 0.404 | 2.180 | | |
| 80 07 11 0255 | | .3 | 1 | 0.003 | 0.038 | 0.500 | 0.010 | 1.740 | 1 788 | 0.462 | 2.250 | | |
| 80 07 16 1300 | | .3 | 1 | 0.001 | 0.018 | 0.460 | 0.010 | 0.169 | 0 197 | 0.442 | 0.639 | 726.0 | 177.0 |
| 80 08 12 1300 | | .3 | 1 | 0 003 | 0.017 | 0.930 | 0 013 | 1.290 | 1 320 | 0.913 | 2.233 | 649.0 | 146.0 |
| 80 09 04 1200 | | .3 | 1 | 0 003 | 0.010 | 0 480 | 0 010 | 2.090 | 2.110 | 0.470 | 2 580 | 463.00 | 28.00 |
| 80 10 27 1355 | | .3 | 1 | 0 005 | 0.092 | 0.710 | 0.015 | 2.930 | 3.037 | 0 618 | 3 655 | 492.00 | 7.00 |
| 80 11 20 1339 | | .3 | 1 | 0.001 | 0.012 | 0 41 | 0 013 | 3 54 | 3.565 | 0 398 | 3 963 | 566 | 3 |
| 80 12 16 1310 | | .3 | 1 | 0 033 | 0.128 | 0 800 | 0 027 | 6.720 | 6 875 | 0 672 | 7.547 | 488.00 | 11.00 |
| MAXIMUM | | | | 0.080 | 0.202 | 2.800 | 0.050 | 6.720 | 6.875 | 2.598 | 7.547 | 897.00 | 617.00 |
| ARITH MEAN | | | | 0.012 | 0.051 | 0.72 | 0.018 | 3.09 | 3.162 | 0.670 | 3.833 | 581 | 85 |
| GEOM MEAN | | | | 0.004 | 0.035 | 0.60 | 0.016 | 2.42 | 2.500 | 0.563 | 3.294 | 571 | 16 |
| MINIMUM | | | | 0.001 | 0.010 | 0.330 | 0.010 | 0.169 | 0.197 | 0.295 | 0.639 | 463.00 | 2.00 |
| STD DEV | | | | 0.022 | 0.064 | 0.62 | 0.011 | 1.74 | 1.783 | 0.577 | 1.971 | 128 | 177 |
| NO OF SAMPLES | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RSF: RESIDUE FILTERED MG/L | COND25: CONDUCT. 25C UMHO/CM AT 25 C | TURB: TURB'ITY FTU | CLIDUR: CHLORIDE UNF.REAC MG/L AS CL | SSO4UR: SULPHATE UNF.REAC MG/L AS SO4 | ALKT: ALK TOTAL MG/L AS CACO3 | PH: PH | FWPH: PH FIELD | PHNOL: PHENOLS UNF-REAC UG/L PHENOL | FEUT: IRON UNF.TOT. MG/L AS FE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 07 1300 | | .3 | 1 | 567.00 | 770 0 | 2 60 | 22 500 | 128.000 | 245 | 8.15 | | 1 000< | 0.160 |
| 80 02 05 1045 | | .3 | 1 | 598.00 | 860.0 | 1 60 | 22 000 | 166.000 | 261.0 | 8.00 | | 1.000< | 0.140 |
| 80 03 12 1340 | | .3 | 1 | 534.00 | 880.0 | 4.40 | 31 500 | 145.000 | 211.0 | 8.16 | | 1.000< | 0.240 |
| 80 04 16 1010 | | 3 | 1 | | 430.0 | 280.00 | 16.000 | 32.500 | 188.0 | 8.10 | | 1.000< | 27.000 |
| 80 05 13 1240 | | .3 | 1 | 478.00 | 650.0 | 3.60 | 22.000 | 119.000 | 207.0 | 8.36 | | 1.000< | 0.270 |
| 80 06 10 1300 | | 3 | 1 | 494 | 650 | 5 30 | 21 0 | 101.0 | 222 | 8.38 | | 1.0 | 0.330 |
| 80 07 10 1535 | | .3 | 1 | | 700.0 | | | | | 8.27 | 8.10 | | |
| 80 07 11 0255 | | .3 | 1 | | 700.0 | | | | | 8.06 | 7.90 | | |
| 80 07 16 1300 | | .3 | 1 | 549 | 750 | 48 0 | 21 0 | 168 0 | 180 | 8.18 | | 1 < | 0.550 |
| 80 08 12 1300 | | .3 | 1 | 503 | 700 | 52 0 | 20 0 | 160.0 | 192 | 8.27 | | 1 < | 4.200 |
| 80 09 04 1200 | | .3 | 1 | 435 | 720 0 | 6 50 | 21 000 | 153.000 | 199.0 | 8.31 | | 1.000< | 0.630 |
| 80 10 27 1355 | | .3 | 1 | 485.00 | 720.0 | 3 60 | 26 500 | 125.000 | 225.0 | 8.29 | | 1.000< | 0 220 |
| 80 11 20 1339 | | .3 | 1 | 563 | 780 | 1 6 | 25.0 | 152 | 226 | 8.18 | | 1 < | 0.11 |
| 80 12 16 1310 | | .3 | 1 | 477.00 | 740.0 | 6 30 | 25.000 | 122.000 | 229.0 | 8.18 | | 1.000< | 0.490 |
| MAXIMUM | | | | 598.00 | 880.0 | 280.00 | 31.500 | 168.0 | 261.0 | 8.38 | 8.10 | 1.000 | 27.000 |
| ARITH MEAN | | | | 516 | 717 | 34.6 | 22.7 | 130 | 215 | 8.21 | 8.00 | 1 L | 2.86 |
| GEOM MEAN | | | | 514 | 709 | 7.8 | 22.5 | 122 | 214 | 8.21 | 8.00 | 1 L | 0.49 |
| MINIMUM | | | | 435 | 430.0 | 1.60 | 16.000 | 32.500 | 180 | 8.00 | 7.90 | 1.000< | 0.11 |
| STD DEV | | | | 49 | 106 | 79.3 | 3.8 | 37 | 23 | 0.11 | 0.14 | 0 L | 7.68 |
| NO OF SAMPLES | | | | 11 | 14 | 12 | 12 | 12 | 12 | 14 | 2 | 12 | 12 |

| | | |
|---|---|---|
| B.O.W / SITE: **NITH RIVER**<br>SAMPLE POINT: **AT HIGHWAY 24A PARIS**<br>STATION TYPE: **RIVER** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE ERIE**<br>TERM STREAM: **GRAND RIVER** | STATION ID: **16-0184-009-02**<br>STORET CODE: **02**<br>**003**<br>**0150** |
| LAT: LONG: | U T M: **17 0550125.0 4782150.0 4** | REGION: **02** DISTANCE: **121.180** |

| TEST-NAME: | | | | | COLAP | COD | ASUT | HGUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | CHEM. OX DEMAND MG/L AS O | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 01 07 1300 | | | .3 | 1 | 20.000 | 14 | 0.005 | 0.930 | 0.120 | 0.020< | 0.010 | 0.030< | 0.005 < | 0.070 |
| 80 02 05 1045 | | | .3 | 1 | 14.000 | 14 | | | 0.160 | 0.020< | 0.020 | 0.030< | 0.005 < | 0.010< |
| 80 03 12 1340 | | | .3 | 1 | 16.000 | 10< | 0.001< | | 0.090 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< |
| 80 04 16 1010 | | | .3 | 1 | 82 | 54 | 0.004 | | 1.400 | 0.020 | 0.020 | 0.030< | 0.005 < | 0.090 |
| 80 05 13 1240 | | | .3 | 1 | 19.000 | 44 | 0.008 | | 0.200 | 0.030 | 0.010< | 0.030< | 0.005 < | 0.010< |
| 80 06 10 1300 | | | .3 | 1 | 26 | 10 | 0.001< | | 0.47 | 0.02 < | 0.01 < | 0.03 < | 0.005 < | 0.01 < |
| 80 07 16 1300 | | | .3 | 1 | 21 | 68 | 0.001< | | 0.770 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< |
| 80 08 12 1300 | | | .3 | 1 | 38 | 22 | 0.009 | | 10.000 | 0.020 | 0.030 | 0.017 | 0.0003 | 0.087 |
| 80 09 04 1200 | | | .3 | 1 | 9.000 | 10 | 0.001 | | 0.500 | 0.005 | 0.003 | 0.003< | 0.0002< | 0.007 |
| 80 10 27 1355 | | | .3 | 1 | 31.000 | 17 | 0.001< | | 0.096 | 0.003 | 0.007 | 0.003< | 0.0002< | 0.015 |
| 80 11 20 1339 | | | .3 | 1 | 13 | 17 | 0.001< | | 0.077 | 0.001< | 0.003 | 0.003< | 0.0002< | 0.012 |
| 80 12 16 1310 | | | .3 | 1 | 27.000 | 28 | 0.001< | | 0.33 | 0.002< | 0.010 | 0.003< | 0.0002< | 0.027 |
| MAXIMUM | | | | | 82 | 68 | 0.009 | 0.930 | 10.000 | 0.030 | 0.030 | 0.030 | 0.005 | 0.090 |
| ARITH MEAN | | | | | 26 | 28L | 0.003L | 0.930 | 1.18 | 0.01 L | 0.01 L | 0.02 L | 0.003 L | 0.03 L |
| GEOM MEAN | | | | | 22 | 21L | 0.002L | | 0.33 | 0.01 L | 0.01 L | 0.01 L | 0.001 L | 0.01 L |
| MINIMUM | | | | | 9.000 | 10< | 0.001< | 0.930 | 0.077 | 0.001< | 0.003< | 0.003< | 0.0002< | 0.007< |
| STD DEV | | | | | 19 | 19L | 0.003L | | 2.80 | 0.01 L | 0.00 L | 0.01 L | 0.002 L | 0.03 L |
| NO OF SAMPLES | | | | | 12 | 12 | 11 | 1 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | MNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 01 07 1300 | | | .3 | 1 | 0.022 | 0.020 < | 0.020 < |
| 80 02 05 1045 | | | .3 | 1 | 0.016 | 0.020 < | 0.090 |
| 80 03 12 1340 | | | .3 | 1 | 0.024 | 0.100 | 0.020 < |
| 80 04 16 1010 | | | .3 | 1 | 0.530 | 0.020 < | 0.020 < |
| 80 05 13 1240 | | | .3 | 1 | 0.036 | 0.020 < | 0.020 < |
| 80 06 10 1300 | | | .3 | 1 | 0.031 | 0.02 < | 0.02 < |
| 80 07 16 1300 | | | .3 | 1 | 0.037 | 0.020 < | 0.020 < |
| 80 08 12 1300 | | | .3 | 1 | 0.102 | 0.022 | 0.120 |
| 80 09 04 1200 | | | .3 | 1 | 0.040 | 0.002 | 0.002 < |
| 80 10 27 1355 | | | .3 | 1 | 0.026 | 0.002 < | 0.002 < |
| 80 11 20 1339 | | | .3 | 1 | 0.018 | 0.003 < | 0.0005< |
| 80 12 16 1310 | | | .3 | 1 | 0.034 | 0.0008 | 0.0005< |
| MAXIMUM | | | | | 0.530 | 0.100 | 0.120 |
| ARITH MEAN | | | | | 0.076 | 0.02 L | 0.02 L |
| GEOM MEAN | | | | | 0.039 | 0.01 L | 0.00 L |
| MINIMUM | | | | | 0.016 | 0.0008< | 0.0005< |
| STD DEV | | | | | 0.145 | 0.02 L | 0.03 L |
| NO OF SAMPLES | | | | | 12 | 12 | 12 |

| | | |
|---|---|---|
| B.O.W / SITE: **GRAND RIVER**<br>SAMPLE POINT: **AT GLEN MORRIS BRIDGE**<br>STATION TYPE: **RIVER** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE ERIE**<br>TERM STREAM: **GRAND RIVER** | STATION ID: **16-0184-010-02**<br>STORET CODE: **02**<br>**003**<br>**0150** |
| LAT: LONG: | U T M: **17 0552950.0 4791525.0 4** | REGION: **02** DISTANCE: **133.250** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 07 1315 | | | .3 | 1 | 29010 | 6 | 780 | 1500 | 30I | 10< | 0.5 | 12.2 | 1.6 | 0.120 |
| 80 02 05 1025 | | | .3 | 1 | 29051 | 6 | 20I | 180 | 4 | 48 | 0.7 | 13.6 | 1.2 | 0.106 |
| 80 03 12 1400 | | | .3 | 1 | 29092 | 6 | 50I | 800 | 4< | 4 | 2.0 | 19.1 | 1.4 | 0.063 |
| 80 04 16 0955 | | | .3 | 1 | 29133 | 3 6 | 3600 | 15000 | 280 | 1400 | 2.0 | 12.3 | 1.2 | 0.230 |
| 80 05 13 1307 | | | .3 | 1 | 29174 | 6 | 35000 | 70000 | 1280 | 260 | 13.0 | 12.0 | 1.8 | 0.049 |
| 80 06 10 1315 | | | .3 | 1 | 29215 | 6 | 3400C | 10600 | 20I | 40I | 13.0 | 12.0 | 1.2 | 0.082 |
| 80 07 10 1500 | | | .3 | 1 | 80157 | 6 | | | | | 27.0 | 12.2 | | 0.127 |
| 80 07 11 0240 | | | .3 | 1 | 80156 | 6 | | | | | 23.0 | 4.8 | | 0.114 |
| 80 07 16 1315 | | | .3 | 1 | 29256 | 6 | 2000I | 46000 | 80I | 160I | 23.0 | 10.0 | 1.4 | 0.124 |
| 80 08 12 1320 | | | .3 | 1 | 29297 | 6 | 2400C | 34500 | 380 | 220 | 22.0 | 10.2 | 1.0 | 0.165 |
| 80 09 04 1225 | | | .3 | 1 | 29338 | 6 | 800< | 27000 | 140< | 600 | 22.0 | 11.8 | 0.6 | 0.122 |
| 80 10 27 1421 | | | .3 | 1 | 29379 | 6 | 780 | 5000 | 130 | 100I | 5.5 | 14.2 | 0.4 | 0.061 |
| 80 11 20 1430 | | | .3 | 1 | 29420 | 6 | 40I | 2800 | 10< | 20I | 3.0 | 16.7 | 2.4 | 0.033 |
| 80 12 16 1228 | | | .3 | 1 | 29461 | 6 | 1220C | 7200 | 10I | 10< | 0.1 | 14.8 | 1.8 | 0.067 |
| MAXIMUM | | | | | | | 35000 | 70000 | 1280 | 1400 | 27.0 | 19.1 | 2.4 | 0.230 |
| ARITH MEAN | | | | | | | 4174L | 18382 | 197L | 239L | 11.2 | 12.8 | 1.3 | 0.104 |
| GEOM MEAN | | | | | | | 778L | 6834 | 49L | 69L | 4.7 | 12.1 | 1.2 | 0.093 |
| MINIMUM | | | | | | | 20< | 180 | 4< | 4< | 0.1 | 4.8 | 0.4 | 0.033 |
| STD DEV | | | | | | | 9787L | 21982 | 362L | 403L | 10.3 | 3.3 | 0.6 | 0.052 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 14 | 14 | 12 | 14 |

(CONTD)

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 07 1315 | | | .3 | 1 | 0.058 | 0.316 | 1.130 | 0.033 | 3.570 | 3.919 | 0.814 | 4.733 | 389.00 | 10.00 |
| 80 02 05 1025 | | | .3 | 1 | 0.063 | 0.540 | 1.130 | 0.205 | 3.980 | 4.725 | 0.590 | 5.315 | 495.00 | 2.00 |
| 80 03 12 1400 | | | .3 | 1 | 0.032 | 0.490 | 1.200 | 0.070 | 3.630 | 4.190 | 0.710 | 4.900 | 692.00 | 8.00 |
| 80 04 16 0955 | | | .3 | 1 | 0.060 | 0.260 | 1.180 | 0.042 | 3.410 | 3.712 | 0.920 | 4.632 | 346.00 | 86.00 |
| 80 05 13 1307 | | | .3 | 1 | 0.004 | 0.176 | 0.880 | 0.265 | 2.530 | 2.971 | 0.704 | 3.675 | 435.00 | 6.00 |
| 80 06 10 1315 | | | .3 | 1 | 0.029 | 0.136 | 0.960 | 0.180 | 2.820 | 3.136 | 0.824 | 3.960 | 462.0 | 9.0 |
| 80 07 10 1500 | | | .3 | 1 | 0.062 | 0.068 | 0.860 | 0.028 | 2.020 | 2.116 | 0.792 | 2.908 | | |
| 80 07 11 0240 | | | .3 | 1 | 0.058 | 0.058 | 0.810 | 0.052 | 2.050 | 2.160 | 0.752 | 2.912 | | |
| 80 07 16 1315 | | | .3 | 1 | 0.055 | 0.032 | 0.840 | 0.036 | 2.110 | 2.178 | 0.808 | 2.986 | 494.0 | 15.0 |
| 80 08 12 1320 | | | .3 | 1 | 0.083 | 0.025 | 0.970 | 0.058 | 2.190 | 2.273 | 0.945 | 3.218 | 435.0 | 20.0 |
| 80 09 04 1225 | | | .3 | 1 | 0.057 | 0.018 | 0.740 | 0.024 | 2.430 | 2.472 | 0.722 | 3.194 | 425.00 | 15.00 |
| 80 10 27 1421 | | | .3 | 1 | 0.016 | 0.036 | 0.820 | 0.011 | 2.040 | 2.087 | 0.784 | 2.871 | 366.00 | 11.00 |
| 80 11 20 1430 | | | .3 | 1 | 0.010 | 0.036 | 0.77 | 0.019 | 2.58 | 2.635 | 0.734 | 3.369 | 474 | 7 |
| 80 12 16 1228 | | | .3 | 1 | 0.029 | 0.314 | 1.130 | 0.029 | 3.470 | 3.813 | 0.816 | 4.629 | 443.00 | 8.00 |
| MAXIMUM | | | | | 0.083 | 0.540 | 1.200 | 0.265 | 3.980 | 4.725 | 0.945 | 5.315 | 692.00 | 86.00 |
| ARITH MEAN | | | | | 0.044 | 0.179 | 0.96 | 0.075 | 2.77 | 3.028 | 0.780 | 3.807 | 464 | 16 |
| GEOM MEAN | | | | | 0.035 | 0.101 | 0.94 | 0.049 | 2.69 | 2.912 | 0.775 | 3.719 | 447 | 10 |
| MINIMUM | | | | | 0.004 | 0.018 | 0.740 | 0.011 | 2.020 | 2.087 | 0.590 | 2.871 | 346.00 | 2.00 |
| STD DEV | | | | | 0.024 | 0.178 | 0.16 | 0.080 | 0.69 | 0.892 | 0.090 | 0.888 | 88 | 22 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | SSO4UR | ALKT | PH | FWPH | PHNOL | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE |
| 80 01 07 1315 | | | .3 | 1 | 379.00 | 540.0 | 12.00 | 27.000 | 50.500 | 183 | 7.97 | | 1.000< | 0.630 |
| 80 02 05 1025 | | | .3 | 1 | 493.00 | 790.0 | 1.60 | 68.000 | 78.000 | 230.0 | 8.08 | | 1.000< | 0.150 |
| 80 03 12 1400 | | | .3 | 1 | 684.00 | 1120.0 | 6.90 | 188.000 | 74.000 | 184.0 | 8.35 | | 1.000 | 0.360 |
| 80 04 16 0955 | | | .3 | 1 | | 400.0 | 51.00 | 16.500 | 27.500 | 147.0 | 8.14 | | 1.000< | 3.900 |
| 80 05 13 1307 | | | .3 | 1 | 429.00 | 700.0 | 2.30 | 65.000 | 62.500 | 191.0 | 8.43 | | 1.000< | 0.250 |
| 80 06 10 1315 | | | .3 | 1 | 453 | 650 | 2.90 | 53.5 | 50.5 | 207 | 8.58 | | 1.0 < | 0.380 |
| 80 07 10 1500 | | | .3 | 1 | | 700.0 | | | | | 8.94 | 8.90 | | |
| 80 07 11 0240 | | | .3 | 1 | | 700.0 | | | | | 8.00 | 7.90 | | |
| 80 07 16 1315 | | | .3 | 1 | 479 | 700 | 4.3 | 64.5 | 58.5 | 170 | 8.53 | | 1 < | 0.280 |
| 80 08 12 1320 | | | .3 | 1 | 415 | 600 | 6.9 | 50.5 | 49.0 | 179 | 8.60 | | 1 < | 0.540 |
| 80 09 04 1225 | | | .3 | 1 | 410.00 | 650.0 | 4.30 | 58.000 | 70.000 | 185.0 | 8.65 | | 1.000< | 0.360 |
| 80 10 27 1421 | | | .3 | 1 | 355.00 | 570.0 | 4.00 | 33.000 | 49.000 | 200.0 | 8.40 | | 1.000< | 0.300 |
| 80 11 20 1430 | | | .3 | 1 | 467 | 680 | 2.3 | 52.0 | 65.5 | 223 | 8.56 | | 1 < | 0.14 |
| 80 12 16 1228 | | | .3 | 1 | 435.00 | 720.0 | 2.40 | 46.500 | 57.000 | 251.0 | 8.33 | | 1.000< | 0.280 |
| MAXIMUM | | | | | 684.00 | 1120.0 | 51.00 | 188.000 | 78.000 | 251.0 | 8.94 | 8.90 | 1.000 | 3.900 |
| ARITH MEAN | | | | | 454 | 680 | 8.4 | 60.2 | 57.6 | 196 | 8.40 | 8.40 | 1 L | 0.63 |
| GEOM MEAN | | | | | 448 | 664 | 4.7 | 50.8 | 55.8 | 194 | 8.39 | 8.39 | 1 L | 0.37 |
| MINIMUM | | | | | 355.00 | 400.0 | 1.60 | 16.500 | 27.500 | 147.0 | 7.97 | 7.90 | 1.000< | 0.14 |
| STD DEV | | | | | 96 | 168 | 13.7 | 43.2 | 13.7 | 28 | 0.28 | 0.71 | 0 L | 1.03 |
| NO OF SAMPLES | | | | | 11 | 14 | 12 | 12 | 12 | 12 | 14 | 2 | 12 | 12 |

| TEST-NAME: | | | | | COLAP | COD | ASUT | HGUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | CHEM. OX DEMAND MG/L AS O | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 01 07 1315 | | | .3 | 1 | 22.000 | 10< | 0.001< | 0.830 | 0.670 | 0.020< | 0.020 | 0.030< | 0.005 < | 0.100 |
| 80 02 05 1025 | | | .3 | 1 | 30.000 | 20 | | | 0.140 | 0.020< | 0.020 | 0.030< | 0.005 < | 0.040 |
| 80 03 12 1400 | | | .3 | 1 | 31.000 | 10< | 0.001< | | 0.200 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.030 |
| 80 04 16 0955 | | | .3 | 1 | 46 | 24 | 0.001< | | 23.000 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.030 |
| 80 05 13 1307 | | | .3 | 1 | 30.000 | 38 | 0.007 | | 0.120 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< |
| 80 06 10 1315 | | | .3 | 1 | 31 | 18 | 0.001< | | 0.27 | 0.02 < | 0.01 < | 0.03 < | | 0.01 < |
| 80 07 16 1315 | | | .3 | 1 | 46 | 20 | 0.001 | | 0.390 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010 |
| 80 08 12 1320 | | | .3 | 1 | 31 | 32 | 0.001 | | 0.370 | 0.002< | 0.006 | 0.003 | 0.0001< | 0.018 |
| 80 09 04 1225 | | | .3 | 1 | 20.000 | 10 | 0.001 | | 0.320 | 0.003 | 0.015 | 0.004 | 0.0002< | 0.023 |
| 80 10 27 1421 | | | .3 | 1 | 31.000 | 17 | | | 0.14 | 0.002 | 0.014 | 0.003< | 0.0002< | 0.021 |
| 80 11 20 1430 | | | .3 | 1 | 26 | 25 | 0.001< | | 0.070 | 0.001 | 0.005 | 0.003< | 0.0003 | 0.023 |
| 80 12 16 1228 | | | .3 | 1 | 26.000 | 46 | 0.001< | | 0.15 | 0.002< | 0.005 | 0.003< | 0.0004 | 0.038 |
| MAXIMUM | | | | | 46 | 46 | 0.007 | 0.830 | 23.000 | 0.020 | 0.020 | 0.030 | 0.005 | 0.100 |
| ARITH MEAN | | | | | 31 | 22L | 0.002L | 0.830 | 2.15 | 0.01 L | 0.01 L | 0.01 L | 0.002 L | 0.02 L |
| GEOM MEAN | | | | | 30 | 20L | 0.001L | | 0.31 | 0.00 L | 0.01 L | 0.01 L | 0.001 L | 0.02 L |
| MINIMUM | | | | | 20.000 | 10< | 0.001< | 0.830 | 0.070 | 0.001< | 0.005< | 0.003< | 0.0001< | 0.010< |
| STD DEV | | | | | 7 | 11L | 0.002L | | 6.56 | 0.00 L | 0.00 L | 0.01 L | 0.002 L | 0.02 L |
| NO OF SAMPLES | | | | | 12 | 12 | 10 | 1 | 12 | 12 | 12 | 12 | 11 | 12 |

| TEST-NAME: | | | | | MNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 01 07 1315 | | | .3 | 1 | 0.033 | 0.030 | 0.020 < |
| 80 02 05 1025 | | | .3 | 1 | 0.024 | 0.020< | 0.120 |
| 80 03 12 1400 | | | .3 | 1 | 0.037 | 0.100 | 0.020 < |
| 80 04 16 0955 | | | .3 | 1 | 0.110 | 0.020< | 0.020 < |
| 80 05 13 1307 | | | .3 | 1 | 0.033 | 0.020< | 0.020 < |
| 80 06 10 1315 | | | .3 | 1 | 0.046 | 0.02 < | 0.02 < |
| 80 07 16 1315 | | | .3 | 1 | 0.046 | 0.020< | 0.020 < |
| 80 08 12 1320 | | | .3 | 1 | 0.060 | 0.011 | 0.002 |
| 80 09 04 1225 | | | .3 | 1 | 0.047 | 0.010 | 0.002 < |
| 80 10 27 1421 | | | .3 | 1 | 0.032 | 0.005 | |
| 80 11 20 1430 | | | .3 | 1 | 0.030 | 0.021 | 0.0005< |
| 80 12 16 1228 | | | .3 | 1 | 0.039 | 0.011 | 0.0005< |
| MAXIMUM | | | | | 0.110 | 0.100 | 0.120 |
| ARITH MEAN | | | | | 0.046 | 0.02 L | 0.02 L |
| GEOM MEAN | | | | | 0.041 | 0.01 L | 0.00 L |
| MINIMUM | | | | | 0.024 | 0.005< | 0.0005< |
| STD DEV | | | | | 0.023 | 0.02 L | 0.03 L |
| NO OF SAMPLES | | | | | 12 | 12 | 11 |

| | | | |
|---|---|---|---|
| B.O.W / SITE: **GRAND RIVER** | | STATION ID: **16-0184-012-02** | |
| SAMPLE POINT: **AT BLAIR BRIDGE** | | | |
| STATION TYPE: **RIVER** | MAJOR BASIN: **GREAT LAKES** | STORET CODE: **02** | |
| | MINOR BASIN: **LAKE ERIE** | **003** | |
| | TERM STREAM: **GRAND RIVER** | **0150** | |
| LAT: LONG: | U T M: **17 0549625.0 4803700.0 4** | REGION: **02** | DISTANCE: **151.918** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 14 1215 | | | 3 | 1 | 29039 | 4 | 4900C | 36000 | 556 | 580 | 1.2 | 13.2 | 1.0 | 0.143 |
| 80 02 11 0950 | | | 3 | 1 | 29080 | 6 | 130 | 600 | 10 | 10< | 1.0 | 13.2 | 1.4 | 0.081 |
| 80 03 04 1205 | | | 3 | 1 | 29121 | 6 | 60I | 600 | 8 | 4< | 0.5 | 13.7 | 1.8 | 0.089 |
| 80 04 02 0920 | | | .3 | 1 | 29162 | 3 6 | 6200 | 12000 | | 970 | 3.0 | 11.9 | 3.0 | 0.248 |
| 80 05 14 1200 | | | 3 | 1 | 29203 | 6 | 3600 | 12300 | 390 | 180I | 12.2 | 11.2 | 2.6 | 0.078 |
| 80 06 03 1335 | | | 3 | 1 | 29244 | 3 | 42000C | 510000 | 2860 | 3000> | 17.0 | 8.0 | 2.4 | 0.276 |
| 80 07 08 1420 | | | 3 | 1 | 29285 | 8 6 | 1100 | 20000 | 100 | 20I | 24.0 | 13.2 | 2.2 | 0.225 |
| 80 07 09 1855 | | | .3 | 1 | 80143 | 7 | | | | | 24.0 | 8.7 | | 0.126 |
| 80 07 10 0410 | | | 3 | 1 | 80142 | 7 | | | | | 21.5 | 5.9 | | 0.154 |
| 80 08 06 1120 | | | 3 | 1 | 29326 | 6 | 600C | 50000 | 160I | 280 | 2[illegible].5 | 8.0 | 1.4 | 0.173 |
| 80 09 17 1220 | | | 3 | 1 | 29367 | 6 | 600< | 24000 | 70< | 100< | 17.0 | 8.5 | 1.9 | 0.110 |
| 80 10 23 1400 | | | .3 | 1 | 29408 | 6 | 200I | 2700 | 10I | 10I | 7.5 | 11.2 | 1.2 | 0.071 |
| 80 11 19 1215 | | | .3 | 1 | 29449 | 6 | 100C | 10400 | 12 | 4< | 1.5 | 14.2 | 0.5 | 0.036 |
| 80 12 17 1213 | | | 3 | 1 | 29490 | 4 | 1720C | 10800 | 44 | 44 | 0.1 | 7.8 | 2.2 | 0.105 |
| MAXIMUM | | | | | | | 42000 | 510000 | 2860 | 3000> | 24.0 | 14.2 | 3.0 | 0.276 |
| ARITH MEAN | | | | | | | 5101L | 57450 | 384L | 4338 | 10.9 | 10.6 | 1.8 | 0.137 |
| GEOM MEAN | | | | | | | 942L | 11774 | 73L | 698 | 4.8 | 10.3 | 1.6 | 0.120 |
| MINIMUM | | | | | | | 60< | 600 | 8< | 4< | 0.1 | 5.9 | 0.5 | 0.036 |
| STD DEV | | | | | | | 11802L | 143271 | 841L | 8618 | 9.8 | 2.7 | 0.7 | 0.071 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 11 | 12 | 14 | 14 | 12 | 14 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 14 1215 | | | 3 | 1 | 0.082 | 0.296 | 1.180 | 0.050 | 4.700 | 5.046 | 0.884 | 5.930 | 394.00 | 17.00 |
| 80 02 11 0950 | | | 3 | 1 | 0.036 | 0.540 | 1.230 | 0.057 | 3.300 | 3.897 | 0.690 | 4.587 | 434.00 | 3.00 |
| 80 03 04 1205 | | | 3 | 1 | 0.002 | 0.560 | 1.230 | 0.200 | 3.600 | 4.360 | 0.670 | 5.030 | 494.00 | 13.00 |
| 80 04 02 0920 | | | 3 | 1 | 0.086 | 0.520 | 1.380 | 0.056 | 2.380 | 2.956 | 0.860 | 3.816 | 304.00 | 63.00 |
| 80 05 14 1200 | | | 3 | 1 | 0.010 | 0.680 | 1.430 | 0.210 | 1.940 | 2.830 | 0.750 | 3.580 | 432.00 | 8.00 |
| 80 06 03 1335 | | | .3 | 1 | 0.025 | 0.332 | 1.530 | 0.130 | 1.820 | 2.282 | 1.198 | 3.480 | 532.00 | 172.00 |
| 80 07 08 1420 | | | 3 | 1 | 0.037 | 0.062 | 1.350 | 0.079 | 2.420 | 2.561 | 1.288 | 3.849 | 485.0 | 17.0 |
| 80 07 09 1855 | | | .3 | 1 | 0.062 | 0.062 | 0.860 | 0.074 | 2.730 | 2.866 | 0.798 | 3.664 | | |
| 80 07 10 0410 | | | .3 | 1 | 0.067 | 0.082 | 1.050 | 0.180 | 2.220 | 2.482 | 0.968 | 3.450 | | |
| 80 08 06 1120 | | | .3 | 1 | 0.055 | 0.018 | 1.050 | 0.013 | 1.340 | 1.371 | 1.032 | 2.403 | 376.0 | 46.0 |
| 80 09 17 1220 | | | .3 | 1 | 0.003 | 0.130 | 0.990 | 0.170 | 1.630 | 1.930 | 0.860 | 2.790 | 379.00 | 19.00 |
| 80 10 23 1400 | | | .3 | 1 | 0.034 | 0.066 | 0.880 | 0.032 | 2.620 | 2.718 | 0.814 | 3.532 | 391.00 | 5.00 |
| 80 11 19 1215 | | | .3 | 1 | 0.018 | 0.112 | 0.84 | 0.034 | 2.52 | 2.666 | 0.728 | 3.394 | 455 | 4 |
| 80 12 17 1213 | | | .3 | 1 | 0.034 | 0.236 | 1.300 | 0.035 | 3.510 | 3.781 | 1.064 | 4.845 | 475.00 | 13.00 |
| MAXIMUM | | | | | 0.086 | 0.680 | 1.530 | 0.210 | 4.700 | 5.046 | 1.288 | 5.930 | 532.00 | 172.00 |
| ARITH MEAN | | | | | 0.039 | 0.284 | 1.16 | 0.094 | 2.62 | 2.982 | 0.900 | 3.882 | 429 | 31 |
| GEOM MEAN | | | | | 0.026 | 0.187 | 1.14 | 0.071 | 2.48 | 2.836 | 0.883 | 3.784 | 424 | 15 |
| MINIMUM | | | | | 0.002 | 0.018 | 0.84 | 0.013 | 1.340 | 1.371 | 0.670 | 2.403 | 304.00 | 3.00 |
| STD DEV | | | | | 0.027 | 0.226 | 0.22 | 0.089 | 0.90 | 0.979 | 0.188 | 0.927 | 83 | 47 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | SSO4UR | ALKT | PH | FWPH | PHNOL | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE |
| 80 01 14 1215 | | | .3 | 1 | 377.00 | 540.0 | 14.00 | 26.500 | 49.000 | 174 | 7.99 | | 1.000< | 0.830 |
| 80 02 11 0950 | | | .3 | 1 | 431.00 | 680.0 | 1.70 | 45.000 | 76.000 | 211.0 | 7.88 | | 1.000 | 0.170 |
| 80 03 04 1205 | | | .3 | 1 | 481.00 | 780.0 | 2.10 | 63.000 | 90.000 | 206.0 | 7.86 | | 1.000< | 0.240 |
| 80 04 02 0920 | | | .3 | 1 | | 370.0 | 23.00 | 18.500 | 29.000 | 124.0 | 7.90 | | 1.000< | 3.500 |
| 80 05 14 1200 | | | .3 | 1 | 424.00 | 650.0 | 5.80 | 60.000 | 63.500 | 171.0 | 8.23 | | 1.000< | 0.480 |
| 80 06 03 1335 | | | .3 | 1 | 360.00 | 495.0 | 95.00 | 35.000 | 54.000 | 179.0 | 7.95 | | 1.000< | 7.200 |
| 80 07 08 1420 | | | .3 | 1 | 468 | 650 | 5.2 | 60.0 | 80.5 | 167 | 8.64 | | 1 < | 0.420 |
| 80 07 09 1855 | | | .3 | 1 | | 750.0 | | | | | 8.58 | 8.70 | | |
| 80 07 10 0410 | | | .3 | 1 | | 700.0 | | | | | 8.04 | 7.95 | | |
| 80 08 06 1120 | | | .3 | 1 | 330 | 490 | 18.0 | 26.5 | 38.5 | 187 | 8.34 | | 1 < | 1.200 |
| 80 09 17 1220 | | | .3 | 1 | 360.00 | 580.0 | 6.40 | 45.500 | 60.000 | 180.0 | 8.15 | | 1.000< | 0.530 |
| 80 10 23 1400 | | | .3 | 1 | 386.00 | 620.0 | 3.90 | 47.500 | 64.500 | 203.0 | 8.33 | | 1.000< | 0.230 |
| 80 11 19 1215 | | | .3 | 1 | 451 | 700 | 2.2 | 52 | 61.5 | 228 | 8.38 | | 1 < | 0.10 |
| 80 12 17 1213 | | | 3 | 1 | 462.00 | 720.0 | 7.20 | 40.000 | 59.000 | 254.0 | 8.05 | | 1.000< | 0.750 |
| MAXIMUM | | | | | 481.00 | 780.0 | 95.00 | 63.000 | 90.000 | 254.0 | 8.64 | 8.70 | 1.000 | 7.200 |
| ARITH MEAN | | | | | 411 | 623 | 15.3 | 43 | 60.4 | 190 | 8.17 | 8.32 | 1 L | 1.30 |
| GEOM MEAN | | | | | 408 | 612 | 7.3 | 40 | 58.0 | 187 | 8.16 | 8.32 | 1 L | 0.59 |
| MINIMUM | | | | | 330 | 370.0 | 1.70 | 18.500 | 29.000 | 124.0 | 7.86 | 7.95 | 1.000< | 0.10 |
| STD DEV | | | | | 51 | 116 | 25.9 | 14 | 17.0 | 33 | 0.26 | 0.53 | 0 L | 2.07 |
| NO OF SAMPLES | | | | | 11 | 14 | 12 | 12 | 12 | 12 | 14 | 2 | 12 | 12 |

| TEST-NAME: | | | | | COLAP | COD | ASUT | HGUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | CHEM. OX DEMAND MG/L AS O | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 01 14 1215 | | | 3 | 1 | 53.000 | 12 | 0.080 | | 0.770 | 0.020< | 0.010< | 0.030< | 0.008 | 0.010 |
| 80 02 11 0950 | | | .3 | 1 | 29.000 | 24 | 0.002 | 0.020< | 0.090 | 0.020< | 0.010< | 0.040 | 0.005 < | 0.020 |
| 80 03 04 1205 | | | .3 | 1 | 33.000 | 48 | 0.001 | | 0.090 | 0.020< | 0.020 | 0.030< | 0.008 | 0.030 |
| 80 04 02 0920 | | | 3 | 1 | 50.000 | 44 | 0.002 | | 2.600 | 0.020< | 0.020 | 0.030< | 0.005 < | 0.020 |
| 80 05 14 1200 | | | 3 | 1 | 25.000 | 38 | 0.001 | | 0.320 | 0.030 | 0.010< | 0.030< | 0.005 < | 0.010< |
| 80 06 03 1335 | | | .3 | 1 | 70.000> | 32 | 0.002 | | 6.000 | 0.020< | 0.030 | 0.030< | 0.005 < | 0.070 |
| 80 07 08 1420 | | | 3 | 1 | 31 | 16 | 0.001< | | 0.240 | 0.020< | 0.020 | 0.030< | 0.005 < | 0.010< |
| 80 08 06 1120 | | | .3 | 1 | 48 | 42 | 0.001 | | 1.100 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.020 |
| 80 09 17 1220 | | | .3 | 1 | 28.000 | 29 | 0.001< | | 0.250 | 0.002< | 0.005 | 0.004 | 0.0002< | 0.022 |
| 80 10 23 1400 | | | .3 | 1 | 40.000 | 15 | 0.001< | | 0.14 | 0.003 | 0.032 | 0.003< | 0.0002< | 0.026 |
| 80 11 19 1215 | | | 3 | 1 | 32 | 33 | 0.001< | | 0.14 | 0.001< | 0.012 | 0.003< | 0.0002< | 0.024 |
| 80 12 17 1213 | | | .3 | 1 | 41.000 | 44 | 0.001< | | 0.28 | 0.002< | 0.009 | 0.003< | 0.0002 | 0.033 |
| MAXIMUM | | | | | 70.000> | 48 | 0.080 | 0.020 | 6.000 | 0.030 | 0.032 | 0.040 | 0.008 | 0.070 |
| ARITH MEAN | | | | | 40 G | 31 | 0.008L | 0.020L | 1.00 | 0.015L | 0.018L | 0.022L | 0.003 L | 0.025L |
| GEOM MEAN | | | | | 38 G | 29 | 0.002L | | 0.38 | 0.009L | 0.014L | 0.015L | 0.001 L | 0.021L |
| MINIMUM | | | | | 25.000 | 12 | 0.001< | 0.020< | 0.090 | 0.001< | 0.005< | 0.003< | 0.0002< | 0.010< |
| STD DEV | | | | | 13 G | 12 | 0.023L | | 1.72 | 0.010L | 0.009L | 0.014L | 0.002 L | 0.016L |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 1 | 12 | 12 | 12 | 12 | 12 | 12 |

(CONTD)

| | | | | TEST-NAME: | MNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 01 14 1215 | | | .3 | 1 | 0.030 | 0.020< | 0.020 < |
| 80 02 11 0950 | | | .3 | 1 | 0.019 | 0.020< | 0.020 < |
| 80 03 04 1205 | | | .3 | 1 | 0 025 | 0 050 | 0 040 |
| 80 04 02 0920 | | | .3 | 1 | 0.092 | 0.020< | 0 020 < |
| 80 05 14 1200 | | | 3 | 1 | 0 033 | 0.020< | 0.020 < |
| 80 06 03 1335 | | | .3 | 1 | 0.240 | 0.020 | 0 020 < |
| 80 07 08 1420 | | | .3 | 1 | 0 055 | 0.090 | 0 020 < |
| 80 08 06 1120 | | | .3 | 1 | 0.110 | 0.020< | 0 020 < |
| 80 09 17 1220 | | | .3 | 1 | 0 050 | 0.009 | 0.002 < |
| 80 10 23 1400 | | | .3 | 1 | 0 020 | 0 020 | 0.002 |
| 80 11 19 1215 | | | .3 | 1 | 0 034 | 0.017 | 0.0005< |
| 80 12 17 1213 | | | .3 | 1 | 0.066 | 0.012 | 0.0005< |
| | | | MAXIMUM | | 0.240 | 0.090 | 0.040 |
| | | | ARITH MEAN | | 0.064 | 0.026L | 0.015 L |
| | | | GEOM MEAN | | 0.048 | 0.022L | 0.007 L |
| | | | MINIMUM | | 0.019 | 0.009< | 0.0005< |
| | | | STD DEV | | 0.062 | 0.022L | 0.011 L |
| | | | NO OF SAMPLES | | 12 | 12 | 12 |

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B O W / SITE: **GRAND RIVER**
SAMPLE POINT: **AT BRIDGEPORT BRIDGE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-015-02**
STORET CODE: **02**
**003**
**0150**

LAT LONG: U T M: **17 0541875.0 4814225.0 4** REGION: **02** DISTANCE: **177.506**

| | | | | TEST-NAME: | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 14 1015 | | | .3 | 1 | 29033 | 6 | 6200C | 34000 | 530 | 870 | 1.0 | 14.5 | 1.0 | 0.118 |
| 80 02 11 1145 | | | .3 | 1 | 29074 | 6 | 150 | 700 | 70 | 10< | 1.0 | 13.5 | 0.4 | 0.032 |
| 80 03 04 1010 | | | .3 | 1 | 29115 | 6 | 310 | 1700 | 12 | 8 | 0 5 | 13.2 | 1.0 | 0.032 |
| 80 04 02 1055 | | | .3 | 1 | 29156 | 3 6 | 1620 | 4200 | | 320 | 2.0 | 12.2 | 1.6 | 0.208 |
| 80 05 14 0915 | | | .3 | 1 | 29197 | 6 | 2120C | 8800 | 1010 | 1500> | 11.0 | 10.5 | 0.8 | 0.040 |
| 80 06 03 1055 | | | .3 | 1 | 29238 | 3 | 1400 | 21000 | 300 | 220 | 16.0 | 8.7 | 0.8 | 0.030 |
| 80 07 08 1220 | | | .3 | 1 | 29279 | 6 | 80C | 13000 | 40I | 20< | 22.0 | 10.8 | 1.4 | 0.046 |
| 80 07 09 1605 | | | .3 | 1 | 80133 | 6 | | | | | 23.0 | 9.1 | | 0.044 |
| 80 07 10 0240 | | | 3 | 1 | 80132 | 6 | | | | | 21.5 | 6.7 | | 0.060 |
| 80 08 06 0950 | | | .3 | 1 | 29320 | 5 | 1700C | 120000 | 700 | 880 | 21.0 | 6.7 | 1.4 | 0.143 |
| 80 09 17 0940 | | | 3 | 1 | 29361 | 6 | 600< | 25000 | 140< | 160< | 17.2 | | 1.4 | 0.042 |
| 80 10 23 1220 | | | .3 | 1 | 29402 | 6 | 1400 | 6900 | 60I | 30I | 6.7 | 14.6 | 1.2 | 0.030 |
| 80 11 19 1025 | | | .3 | 1 | 29443 | 6 | 160I | 5000 | 8 | 4 | 0.9 | 14.1 | 1.6 | 0.015 |
| 80 12 17 1010 | | | .3 | 1 | 29484 | 6 | 2920C | 18000 | 64 | 32 | 0.1 | 12.4 | 1.6 | 0 034 |
| | | | MAXIMUM | | | | 6200 | 120000 | 1010 | 1500> | 23.0 | 14.6 | 1.6 | 0.208 |
| | | | ARITH MEAN | | | | 1555L | 21525 | 267L | 3388 | 10.3 | 11.3 | 1.2 | 0.062 |
| | | | GEOM MEAN | | | | 805L | 9774 | 105L | 818 | 4.1 | 10.9 | 1.1 | 0.048 |
| | | | MINIMUM | | | | 80< | 700 | 8< | 4< | 0.1 | 6.7 | 0.4 | 0.015 |
| | | | STD DEV | | | | 1716L | 32650 | 337L | 4868 | 9.6 | 2.8 | 0.4 | 0.066 |
| | | | NO OF SAMPLES | | | | 12 | 12 | 11 | 12 | 14 | 13 | 12 | 14 |

| | | | | TEST-NAME: | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 14 1015 | | | 3 | 1 | 0 064 | 0.258 | 1 150 | 0 033 | 4.170 | 4 461 | 0.892 | 5.353 | 341.0 | 16.0 |
| 80 02 11 1145 | | | 3 | 1 | 0 015 | 0.096 | 0 720 | 0 025 | 2.370 | 2.491 | 0.624 | 3.115 | 350.0 | 2.0 |
| 80 03 04 1010 | | | 3 | 1 | 0 016 | 0.138 | 0.800 | 0 032 | 2.470 | 2 640 | 0.662 | 3.302 | 362 0 | 1.0 |
| 80 04 02 1055 | | | .3 | 1 | 0 073 | 0.390 | 1.280 | 0 034 | 2.250 | 2.674 | 0.890 | 3.564 | 265.0 | 54.0 |
| 80 05 14 0915 | | | .3 | 1 | 0.001 | 0.068 | 0 750 | 0 036 | 2.110 | 2.214 | 0.682 | 2.896 | 334.0 | 5.0 |
| 80 06 03 1055 | | | .3 | 1 | 0.001 | 0.012 | 0 730 | 0.018 | 1.880 | 1.910 | 0.718 | 2.628 | 320.0 | 7.0 |
| 80 07 08 1220 | | | 3 | 1 | 0.003 | 0.028 | 0 710 | 0.008 | 0.990 | 1.026 | 0.682 | 1.708 | 319.0 | 12.0 |
| 80 07 09 1605 | | | 3 | 1 | 0.003 | 0.054 | 0.700 | 0.010 | 0.990 | 1.054 | 0.646 | 1.700 | | |
| 80 07 10 0240 | | | .3 | 1 | 0.005 | 0.058 | 0.810 | 0.009 | 1.090 | 1.157 | 0.752 | 1.909 | | |
| 80 08 06 0950 | | | .3 | 1 | 0.015 | 0.018 | 1.200 | 0.008 | 0.700 | 0.726 | 1.182 | 1.908 | 318.0 | 42.0 |
| 80 09 17 0940 | | | .3 | 1 | 0.020 | 0.030 | 0 760 | 0 007 | 0.718 | 0.755 | 0.730 | 1.485 | 287 0 | 8.0 |
| 80 10 23 1220 | | | .3 | 1 | 0 004 | 0.062 | 0.800 | 0.011 | 1.490 | 1.563 | 0.738 | 2.301 | 328 0 | 7.0 |
| 80 11 19 1025 | | | 3 | 1 | 0 003 | 0.010 | 0.70 | 0.006 | 1.69 | 1.706 | 0.690 | 2.396 | 391 | 4 |
| 80 12 17 1010 | | | 3 | 1 | 0 015 | 0.124 | 0 940 | 0 015 | 3.040 | 3.179 | 0.816 | 3.995 | 398.0 | 4.0 |
| | | | MAXIMUM | | 0.073 | 0.390 | 1.280 | 0.036 | 4.170 | 4.461 | 1.182 | 5.353 | 398.0 | 54.0 |
| | | | ARITH MEAN | | 0.017 | 0.096 | 0.86 | 0.018 | 1.86 | 1.968 | 0.785 | 2.733 | 334 | 13 |
| | | | GEOM MEAN | | 0.008 | 0.057 | 0.84 | 0.015 | 1.62 | 1.717 | 0.754 | 2.569 | 332 | 7 |
| | | | MINIMUM | | 0.001 | 0.010 | 0.700 | 0.006 | 0.700 | 0.726 | 0.624 | 1.485 | 265.0 | 1.0 |
| | | | STD DEV | | 0.023 | 0.107 | 0.20 | 0.011 | 0.98 | 1.060 | 0.146 | 1.074 | 38 | 16 |
| | | | NO OF SAMPLES | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| | | | | TEST-NAME: | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 14 1015 | | | .3 | 1 | 325 0 | 480 0 | 13 00 | 17 500 | 8.07 | |
| 80 02 11 1145 | | | .3 | 1 | 348 0 | 530.0 | 2 10 | 20.000 | 8.03 | |
| 80 03 04 1010 | | | .3 | 1 | 361.0 | 580.0 | 5.30 | 24 000 | 8.90 | |
| 80 04 02 1055 | | | .3 | 1 | 211.000 | 325.0 | 28 00 | 10 500 | 8.05 | |
| 80 05 14 0915 | | | .3 | 1 | 329.0 | 500.0 | 4 10 | 24.500 | 8.34 | |
| 80 06 03 1055 | | | .3 | 1 | 313.0 | 465 0 | 3 40 | 20 000 | 8.24 | |
| 80 07 08 1220 | | | .3 | 1 | 307 | 465 | 5 2 | 21.0 | 8.47 | |
| 80 07 09 1605 | | | .3 | 1 | | 460 0 | | | 8.51 | 8 70 |
| 80 07 10 0240 | | | .3 | 1 | | 490.0 | | | 8.23 | 8.20 |
| 80 08 06 0950 | | | 3 | 1 | 276 | 425 | 21.0 | 12.0 | 8 08 | |
| 80 09 17 0940 | | | .3 | 1 | 279.0 | 440.0 | 3 50 | 18.500 | 8.19 | |
| 80 10 23 1220 | | | .3 | 1 | 321.0 | 500.0 | 3 40 | 20.000 | 8.48 | |
| 80 11 19 1025 | | | .3 | 1 | 387 | 560 | 2.2 | 22.5 | 8.42 | |
| 80 12 17 1010 | | | .3 | 1 | 394.0 | 640.0 | 3.40 | 20.500 | 8.31 | |

(CONTD)

B.O.W./SITE: **GRAND RIVER**
SAMPLE POINT: **AT BRIDGEPORT BRIDGE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-015-02**
STORET CODE: **02**
**003**
**0150**

LAT: LONG: U.T.M: **17 0541875.0 4814225.0 4** REGION: **02** DISTANCE: **177.506**

| TEST-NAME: | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| MAXIMUM | | | | 394.0 | 640.0 | 28.00 | 24.600 | 8.90 | 8.70 |
| ARITH MEAN | | | | 320 | 490 | 7.8 | 19.2 | 8.31 | 8.46 |
| GEOM MEAN | | | | 316 | 484 | 6.3 | 18.7 | 8.31 | 8.46 |
| MINIMUM | | | | 211.000 | 325.0 | 2.10 | 10.500 | 8.03 | 8.20 |
| STD DEV | | | | 50 | 76 | 8.4 | 4.2 | 0.24 | 0.35 |
| NO OF SAMPLES | | | | 12 | 14 | 12 | 12 | 14 | 2 |

B.O.W./SITE: **CANAGAGIGUE CREEK**
SAMPLE POINT: **FIRST BRIDGE DOWNSTREAM FROM ELMIRA STP**
STATION TYPE: **RIVER FLOW GAUGE FED 02GA023**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-016-02**
STORET CODE: **02**
**003**
**0150**

LAT: LONG: U.T.M: **17 0537600.0 4825600.0 4** REGION: **02** DISTANCE: **202.128**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 08 1440 | | .3 | 1 | 29029 | 6 | 1.550 | 41000 | 17000 | 4800 | 4900 | 1.0 | 13.2 | 3.6 |
| 80 02 13 1455 | | .3 | 1 | 29070 | 6 | 0.314 | 27000 | 54000 | 3200 | 4400 | 4.3 | 10.1 | 4.8 |
| 80 03 10 1520 | | .3 | 1 | 29111 | 6 | 0.269 | 50000I | 370000 | 14000 | 6100 | 7.0 | 10.8 | 4.6 |
| 80 04 01 0935 | | .3 | 1 | 29152 | 3 6 | 3.970 | 48000 | 150000 | | 1200 | 1.0 | 12.6 | 2.6 |
| 80 05 29 1335 | | .3 | 1 | 29193 | 6 3 | 0.534 | 5000I | 43000 | 400I | 100 | 16.0 | 8.6 | 3.4 |
| 80 06 23 1300 | | .3 | 1 | 29234 | 7 5 | 0.658 | 24000 | 70000 | 420 | 400 | 23.0 | 11.8 | 3.4 |
| 80 07 09 1435 | | .3 | 1 | 80125 | 7 | 0.380 | | | | | 22.0 | 8.8 | |
| 80 07 10 0130 | | .3 | 1 | 80124 | 7 | 0.354 | | | | | 18.2 | 3.3 | |
| 80 07 29 1235 | | .3 | 1 | 29275 | 7 | 0.302 | 270000 | 1250000 | 111000 | 24000 | 22.0 | 5.9 | 5.8 |
| 80 08 25 1300 | | .3 | 1 | 29316 | 6 | 0.253 | 139000C | 500000 | 66000 | 4400 | 22.0 | 7.8 | 5.8 |
| 80 09 25 1300 | | .3 | 1 | 29357 | 6 | 1.280 | 38000 | 170000 | 6100 | 1300 | 16.0 | 8.4 | 4.2 |
| 80 10 20 1345 | | .3 | 1 | 29398 | 6 | 0.574 | 44000 | 200000 | 9200 | 4750 | 9.0 | 10.9 | 9.8 |
| 80 11 26 1437 | | .3 | 1 | 29439 | 6 | 0.800 | 2300 | 10800 | 148 | 140 | 2.4 | 14.0 | 2.8 |
| 80 12 10 1426 | | .3 | 1 | 29480 | 6 3 | 2.220 | 4700 | 1900 | 910 | 380 | 1.8 | 13.6 | 1.9 |
| MAXIMUM | | | | | | 3.970 | 270000 | 1250000 | 111000 | 24000 | 23.0 | 14.0 | 9.8 |
| ARITH MEAN | | | | | | 0.961 | 57750 | 236392 | 19653 | 4339 | 11.8 | 10.0 | 4.4 |
| GEOM MEAN | | | | | | 0.651 | 27834 | 79818 | 3740 | 1567 | 7.3 | 9.4 | 4.0 |
| MINIMUM | | | | | | 0.253 | 2300 | 1900 | 148 | 100 | 1.0 | 3.3 | 1.9 |
| STD DEV | | | | | | 1.041 | 75932 | 354234 | 35750 | 6578 | 8.9 | 3.1 | 2.1 |
| NO OF SAMPLES | | | | | | 14 | 12 | 12 | 11 | 12 | 14 | 14 | 12 |

| TEST-NAME: | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 08 1440 | | .3 | 1 | 0.240 | 0.085 | 3.050 | 4.050 | 0.045 | 8.200 | 11.295 | 1.000 | 12.295 | 612.00 |
| 80 02 13 1455 | | .3 | 1 | 0.213 | 0.046 | 2.950 | 4.650 | 0.064 | 4.440 | 7.454 | 1.700 | 9.154 | 1178.00 |
| 80 03 10 1520 | | .3 | 1 | 0.348 | 0.057 | 4.100 | 6.120 | 0.440 | 4.210 | 8.750 | 2.020 | 10.770 | 1841.00 |
| 80 04 01 0935 | | .3 | 1 | 0.485 | 0.220 | 1.300 | 2.750 | 0.058 | 3.530 | 4.888 | 1.450 | 6.338 | 360.00 |
| 80 05 29 1335 | | .3 | 1 | 0.172 | 0.070 | 2.400 | 3.450 | 0.700 | 2.300 | 5.400 | 1.050 | 6.450 | 964.00 |
| 80 06 23 1300 | | .3 | 1 | 0.166 | 0.082 | 2.720 | 3.560 | 0.810 | 2.590 | 6.120 | 0.840 | 6.960 | 1385.00 |
| 80 07 09 1435 | | .3 | 1 | 0.160 | 0.115 | 1.950 | 3.300 | 0.650 | 2.170 | 4.770 | 1.350 | 6.120 | |
| 80 07 10 0130 | | .3 | 1 | 0.188 | 0.115 | 1.950 | 3.000 | 0.280 | 2.320 | 4.550 | 1.050 | 5.600 | |
| 80 07 29 1235 | | .3 | 1 | 0.385 | 0.200 | 2.500 | 4.250 | 0.350 | 1.780 | 4.630 | 1.750 | 6.380 | 826.0 |
| 80 08 25 1300 | | .3 | 1 | 0.318 | 0.155 | 2.100 | 3.380 | 0.445 | 1.500 | 4.045 | 1.280 | 5.325 | 919.00 |
| 80 09 25 1300 | | .3 | 1 | 0.230 | 0.072 | 0.142 | 2.020 | 0.340 | 3.000 | 3.482 | 1.878 | 5.360 | 558.0 |
| 80 10 20 1345 | | .3 | 1 | 0.596 | 0.360 | 0.034 | 4.100 | 0.640 | 6.460 | 7.134 | 4.066 | 11.200 | 1116.00 |
| 80 11 26 1437 | | .3 | 1 | 0.162 | 0.040 | 1.18 | 2.48 | 0.62 | 3.4 | 5.200 | 1.300 | 6.500 | 895 |
| 80 12 10 1426 | | .3 | 1 | 0.062 | 0.074 | 0.560 | 1.100 | 0.050 | 7.700 | 8.310 | 0.540 | 8.850 | 548.00 |
| MAXIMUM | | | | 0.596 | 0.360 | 4.100 | 6.120 | 0.810 | 8.200 | 11.295 | 4.066 | 12.295 | 1841.00 |
| ARITH MEAN | | | | 0.266 | 0.121 | 1.92 | 3.44 | 0.39 | 3.8 | 6.145 | 1.520 | 7.664 | 933 |
| GEOM MEAN | | | | 0.231 | 0.099 | 1.23 | 3.21 | 0.26 | 3.3 | 5.826 | 1.361 | 7.387 | 852 |
| MINIMUM | | | | 0.062 | 0.040 | 0.034 | 1.100 | 0.045 | 1.500 | 3.482 | 0.540 | 5.325 | 360.00 |
| STD DEV | | | | 0.145 | 0.088 | 1.17 | 1.21 | 0.26 | 2.1 | 2.183 | 0.842 | 2.343 | 410 |
| NO OF SAMPLES | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 |

| TEST-NAME: | | | | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | ALKT | PH | FWPH | PHNOL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL |
| 80 01 08 1440 | | .3 | 1 | 30.00 | 582.00 | 900.0 | 18.00 | 70.000 | 123.000 | 16 | 8.00 | | 16.000 |
| 80 02 13 1455 | | .3 | 1 | 37.00 | 1141.00 | 1875.0 | 15.00 | 208.000 | 347.000 | 261.0 | 8.04 | | 14.000 |
| 80 03 10 1520 | | .3 | 1 | 38.00 | 1803.00 | 2850.0 | 5.50 | 485.000 | 491.000 | 238.0 | 7.71 | | 20.000 |
| 80 04 01 0935 | | .3 | 1 | 43.00 | 317.00 | 510.0 | 58.00 | 37.000 | 63.000 | 123.0 | 7.69 | | 3.000 |
| 80 05 29 1335 | | .3 | 1 | 19.00 | 945.00 | 1450.0 | 5.40 | 163.000 | 284.000 | 192.0 | 7.62 | | 1.000< |
| 80 06 23 1300 | | .3 | 1 | 4.00 | 1381.00 | 2100.0 | 5.10 | 267.000 | 490.000 | 196.0 | 8.43 | | 26.000 |
| 80 07 09 1435 | | .3 | 1 | | | 2350.0 | | | | | 8.15 | 8.00 | |
| 80 07 10 0130 | | .3 | 1 | | | 1700.0 | | | | | 7.73 | 7.50 | |
| 80 07 29 1235 | | .3 | 1 | 20.0 | 806 | 1300 | 9.5 | 145.0 | 238.0 | 192 | 7.77 | | 1 |
| 80 08 25 1300 | | .3 | 1 | 10.00 | 909.00 | 1450.0 | 3.70 | 174.000 | 27.000 | 201.0 | 7.74 | | 8.000 |
| 80 09 25 1300 | | .3 | 1 | 47.0 | 511.0 | 850 | 25.0 | 76.0 | 117.0 | 197 | 7.73 | | 1 < |
| 80 10 20 1345 | | .3 | 1 | 13.00 | 1103.00 | 1700.0 | 9.10 | 230.000 | 388.000 | 250.0 | 8.09 | | 56.000 |
| 80 11 26 1437 | | .3 | 1 | 85 | 810 | 1260 | 9.3 | 122 | 231 | 259 | 8.21 | | 3 |
| 80 12 10 1426 | | .3 | 1 | 12.00 | 536.00 | 860.0 | 8.00 | 56.000 | 92.500 | 265.0 | 8.19 | | 5.500 |

(CONTD)

|  |  |  | TEST-NAME: |  | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | ALKT | PH | FWPH | PHNOL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL |
| MAXIMUM |  |  |  |  | 85 | 1803.00 | 2850.0 | 58.00 | 485.000 | 491.000 | 285.0 | 8.43 | 8.00 | 58.000 |
| ARITH MEAN |  |  |  |  | 29 | 903 | 1511 | 14.3 | 169 | 240 | 199 | 7.94 | 7.75 | 12 L |
| GEOM MEAN |  |  |  |  | 22 | 817 | 1376 | 10.2 | 134 | 179 | 170 | 7.93 | 7.75 | 6 L |
| MINIMUM |  |  |  |  | 4.00 | 317.00 | 510.0 | 3.70 | 37.000 | 27.000 | 18 | 7.62 | 7.50 | 1.000< |
| STD DEV |  |  |  |  | 22 | 414 | 644 | 15.1 | 122 | 161 | 70 | 0.26 | 0.35 | 15 L |
| NO OF SAMPLES |  |  |  |  | 12 | 12 | 14 | 12 | 12 | 12 | 12 | 14 | 2 | 12 |

|  |  |  | TEST-NAME: |  | FEUT | CAUR | MGUR | COLAP | KKUR | NAUR | COD | ASUT | HGUT | ALUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | IRON UNF.TOT. MG/L AS FE | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL |
| 80 01 08 1440 |  |  | .3 | 1 | 0.960 | 89.000 | 21.500 | 66.000 | 3.70 | 65.000 | 34 | 0.002 | 5.500 | 1.100 |
| 80 02 13 1455 |  |  | .3 | 1 | 1.400 | 108.000 | 29.500 | 23.000 | 3.15 | 370.000 | 20 | 0.001 | 0.050 | 1.100 |
| 80 03 10 1520 |  |  | .3 | 1 | 0.790 | 104.000 | 28.000 | 43.000 | 3.90 | 480.000 | 54 | 0.001 | 0.020< | 0.480 |
| 80 04 01 0935 |  |  | .3 | 1 | 5.300 | 46.000 | 9.000 | 41.000 | 5.10 | 38.000 | 40 | 0.001 | 6.700 | 5.500 |
| 80 05 29 1335 |  |  | .3 | 1 | 1.900 | 75.000 | 24.000 | 36.000 | 4.15 | 215.000 | 24 | 0.004 | 3.900 | 3.000 |
| 80 06 23 1300 |  |  | .3 | 1 | 0.500 | 75.000 | 23.500 | 35.000 | 4.20 | 344.000 | 36 | 0.001< | 0.040< | 0.270 |
| 80 07 29 1235 |  |  | .3 | 1 | 0.81 | 70 | 20.5 | 55 | 8.7 | 162 | 30 | 0.002 |  | 0.470 |
| 80 08 25 1300 |  |  | .3 | 1 | 0.520 | 72.000 | 24.000 | 28.000 | 4.30 | 205.000 | 30 | 0.002 | 0.060 | 0.260 |
| 80 09 25 1300 |  |  | .3 | 1 | 2.10 | 62 | 20.5 | 34 | 5.70 | 73 | 16 | 0.002 | 1.800 | 1.300 |
| 80 10 20 1345 |  |  | .3 | 1 | 0.920 | 82.000 | 25.500 | 43 000 | 6.00 | 245.000 | 42 | 0.001< | 0.04 < | 0.46 |
| 80 11 26 1437 |  |  | .3 | 1 | 0.98 | 87 | 28.5 | 70 | 3.90 | 131 | 41 | 0.002 | 0.006< | 0.48 |
| 80 12 10 1426 |  |  | .3 | 1 | 0.620 | 102.000 | 27.500 | 35 000 | 3.65 | 44.000 | 28 | 0.001< | 0.040< | 0.980 |
| MAXIMUM |  |  |  |  | 5.300 | 108.000 | 29.500 | 70 | 8.7 | 480.000 | 54 | 0.004 | 6.700 | 5.500 |
| ARITH MEAN |  |  |  |  | 1.40 | 81 | 23.5 | 42 | 4.7 | 197 | 33 | 0.002L | 1.65 L | 1.28 |
| GEOM MEAN |  |  |  |  | 1.08 | 78 | 22.6 | 40 | 4.5 | 148 | 31 | 0.001L | 0.17 L | 0.81 |
| MINIMUM |  |  |  |  | 0.500 | 46.000 | 9.000 | 23.000 | 3.15 | 38.000 | 16 | 0.001< | 0.006< | 0.260 |
| STD DEV |  |  |  |  | 1.33 | 18 | 5.5 | 14 | 1.5 | 141 | 11 | 0.001L | 2.52 L | 1.62 |
| NO OF SAMPLES |  |  |  |  | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 11 | 12 |

|  |  |  | TEST-NAME: |  | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 01 08 1440 |  |  | .3 | 1 | 0.020< | 0.020< | 0 030< | 0.010 < | 0.070 | 0.163 | 0.020< | 0.020 < |
| 80 02 13 1455 |  |  | .3 | 1 | 0.050 | 0.010< | 0.030< | 0.005 < | 0.020 | 0.144 | 0.020< | 0.020 < |
| 80 03 10 1520 |  |  | .3 | 1 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.120 | 0.020< | 0.020 < |
| 80 04 01 0935 |  |  | .3 | 1 | 0.020< | 0.020 | 0.030< | 0.005 < | 0.030 | 0.121 | 0.020< | 0.020 < |
| 80 05 29 1335 |  |  | .3 | 1 | 0.020< | 0.010< | 0.030 | 0.005 < | 0.010 | 0.220 | 0.020< | 0.020 < |
| 80 06 23 1300 |  |  | .3 | 1 |  | 0.020 | 0.030< | 0.005 < | 0.010< | 0.040 | 0.020< | 0.020 < |
| 80 07 29 1235 |  |  | 3 | 1 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.020 | 0.380 | 0.020< | 0.020 < |
| 80 08 25 1300 |  |  | .3 | 1 | 0.001< | 0.001< | 0.003< | 0.0002< | 0.006 | 0.120 | 0.002< | 0.002 |
| 80 09 25 1300 |  |  | .3 | 1 | 0.002< | 0.004 | 0.003< | 0.0004 | 0.015 | 0.208 | 0.002< | 0.002 < |
| 80 10 20 1345 |  |  | 3 | 1 | 0.009 | 0.018 | 0.006 | 0.0002< | 0.027 | 0.132 | 0.003 | 0.002 < |
| 80 11 26 1437 |  |  | .3 | 1 | 0 001< | 0.009 | 0.003< | 0.0002< | 0.032 | 0.110 | 0.003< | 0.0005< |
| 80 12 10 1426 |  |  | 3 | 1 | 0.006 | 0.005 | 0.003< | 0.0002< | 0.020 | 0.072 | 0.002< | 0.002 < |
| MAXIMUM |  |  |  |  | 0.050 | 0.020 | 0.030 | 0.010 | 0.070 | 0.380 | 0.020 | 0.020 |
| ARITH MEAN |  |  |  |  | 0.015L | 0.011L | 0.019L | 0.003 L | 0.022L | 0.152 | 0.013L | 0.012 L |
| GEOM MEAN |  |  |  |  | 0.008L | 0.008L | 0.012L | 0.001 L | 0.018L | 0.133 | 0.008L | 0.006 L |
| MINIMUM |  |  |  |  | 0.001< | 0.001< | 0.003< | 0.0002< | 0.006< | 0.040 | 0.002< | 0.0005< |
| STD DEV |  |  |  |  | 0.014L | 0.007L | 0.014L | 0.003 L | 0.017L | 0.087 | 0.009L | 0.009 L |
| NO OF SAMPLES |  |  |  |  | 11 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

B O W / SITE: **GRAND RIVER**
SAMPLE POINT: **BLOSSOM AVE BRIDGE NEWPORT**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-024-02**

STORET CODE: **02**
**003**
**0150**

LAT LONG: U T M: **17 0561750.0 4771900.0 4** REGION: **02** DISTANCE: **78.868**

|  |  |  | TEST-NAME: |  | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 07 1145 |  |  | .3 | 1 | 29005 | 6 | 700 | 1520 | 20I | 30I | 1.2 | 11.6 | 1.2 | 0.094 |
| 80 02 05 1255 |  |  | .3 | 1 | 29046 | 4 6 | 1160 | 1480 | 10I | 10I | 1.0 | 13.4 | 0.8 | 0.103 |
| 80 03 12 1200 |  |  | .3 | 1 | 29087 | 6 | 80I | 1200 | 4< | 56 | 0.5 | 14.6 | 1.0 | 0.068 |
| 80 04 16 1125 |  |  | .3 | 1 | 29128 | 3 6 | 5100C | 29500 | 610 | 1500> | 2.0 | 12.4 | 2.0 | 0.480 |
| 80 05 13 1102 |  |  | .3 | 1 | 29169 | 6 | 500I | 16000 | 30I | 20I | 13.5 | 9.6 | 1.4 | 0.076 |
| 80 06 10 1115 |  |  | .3 | 1 | 29210 | 6 | 700I | 27400 | 10I | 60I | 14.0 | 9.2 | 1.4 | 0.102 |
| 80 07 10 1755 |  |  | .3 | 1 | 80167 | 6 |  |  |  |  | 25.5 | 7.6 |  | 0.088 |
| 80 07 11 0350 |  |  | .3 | 1 | 80166 | 6 |  |  |  |  | 23.8 | 8.4 |  | 0.088 |
| 80 07 16 1130 |  |  | .3 | 1 | 29251 | 6 | 750C | 17000 | 110 | 90I | 24.0 | 7.7 | 2.0 | 0.090 |
| 80 08 12 1140 |  |  | 3 | 1 | 29292 | 6 | 400 | 35500 | 100I | 60I | 22.0 | 10.0 | 2.2 | 0.120 |
| 80 09 04 1100 |  |  | .3 | 1 | 29333 | 6 | 1200 | 23000 | 20< | 120< | 21.0 | 9.2 | 1.4 | 0.099 |
| 80 10 27 1156 |  |  | .3 | 1 | 29374 | 6 | 1100 | 19000 | 60I | 50I | 6.0 | 11.6 | 1.0 | 0.055 |
| 80 11 20 1138 |  |  | .3 | 1 | 29415 | 6 | 500I | 600 | 10< | 10< | 2.4 | 13.0 | 0.6 | 0.032 |
| 80 12 16 1129 |  |  | .3 | 1 | 29456 | 6 | 1080C | 5200 | 70I | 20I | 0.1 | 13.1 | 1.1 | 0.048 |
| MAXIMUM |  |  |  |  |  |  | 5100 | 35500 | 610 | 1500> | 25.5 | 14.6 | 2.2 | 0.480 |
| ARITH MEAN |  |  |  |  |  |  | 1106 | 14783 | 88L | 169G | 11.2 | 10.8 | 1.3 | 0.110 |
| GEOM MEAN |  |  |  |  |  |  | 735 | 7439 | 32L | 49G | 4.6 | 10.6 | 1.3 | 0.086 |
| MINIMUM |  |  |  |  |  |  | 80 | 600 | 4< | 10< | 0.1 | 7.6 | 0.6 | 0.032 |
| STD DEV |  |  |  |  |  |  | 1304 | 12530 | 168L | 421G | 10.3 | 2.3 | 0.5 | 0.109 |
| NO OF SAMPLES |  |  |  |  |  |  | 12 | 12 | 12 | 12 | 14 | 14 | 12 | 14 |

SAMPLE INFORMATION SYSTEM | 1980 WATER QUALITY DATA | DATE OF REPORT: 29 AUG 81

B O W / SITE: **GRAND RIVER**
SAMPLE POINT: **BLOSSOM AVE BRIDGE NEWPORT**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-024-02**
STORET CODE: **02 003 0150**

LAT: LONG: U T M: **17 0561750.0 4771900.0 4** REGION: **02** DISTANCE: **78.856**

| TEST-NAME: | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 07 1145 | | | .3 | 1 | 0.080 | 0.314 | 0.990 | 0.040 | 3.810 | 4.164 | 0.676 | 4.840 | 448.0 | 5.0 |
| 80 02 05 1255 | | | .3 | 1 | 0.043 | 0.590 | 1.350 | 0.115 | 4.020 | 4.725 | 0.760 | 5.485 | 575.0 | 14.0 |
| 80 03 12 1200 | | | .3 | 1 | 0.039 | 0.730 | 1.430 | 0.051 | 3.650 | 4.431 | 0.700 | 5.131 | 640.0 | 7.0 |
| 80 04 16 1125 | | | .3 | 1 | 0.078 | 0.208 | 1.650 | 0.048 | 3.700 | 3.956 | 1.442 | 5.398 | 586.0 | 262.0 |
| 80 05 13 1102 | | | .3 | 1 | 0.001 | 0.148 | 0.840 | 0.065 | 2.340 | 2.553 | 0.692 | 3.245 | 455.0 | 16.0 |
| 80 06 10 1115 | | | .3 | 1 | 0.014 | 0.076 | 1.000 | 0.056 | 2.640 | 2.772 | 0.924 | 3.696 | 508.0 | 37.0 |
| 80 07 10 1755 | | | .3 | 1 | 0.004 | 0.106 | 0.860 | 0.028 | 1.770 | 1.904 | 0.754 | 2.658 | | |
| 80 07 11 0350 | | | .3 | 1 | 0.009 | 0.112 | 0.850 | 0.032 | 1.870 | 2.014 | 0.738 | 2.752 | | |
| 80 07 16 1130 | | | .3 | 1 | 0.005 | 0.208 | 1.050 | 0.029 | 1.270 | 1.507 | 0.842 | 2.349 | 538.0 | 26.0 |
| 80 08 12 1140 | | | .3 | 1 | 0.006 | 0.040 | 1.000 | 0.036 | 1.460 | 1.536 | 0.960 | 2.496 | 497.0 | 22.0 |
| 80 09 04 1100 | | | .3 | 1 | 0.031 | 0.090 | 0.800 | 0.017 | 2.030 | 2.137 | 0.710 | 2.847 | 423.0 | 20.0 |
| 80 10 27 1156 | | | .3 | 1 | 0.013 | 0.078 | 0.750 | 0.024 | 2.280 | 2.382 | 0.672 | 3.054 | 435.0 | 13.0 |
| 80 11 20 1138 | | | .3 | 1 | 0.008 | 0.086 | 0.73 | 0.020 | 2.70 | 2.806 | 0.644 | 3.450 | 484 | 4 |
| 80 12 16 1129 | | | .3 | 1 | 0.025 | 0.364 | 1.200 | 0.032 | 4.430 | 4.826 | 0.836 | 5.662 | 485.0 | 8.0 |
| | | | MAXIMUM | | **0.080** | **0.730** | **1.650** | **0.115** | **4.430** | **4.826** | **1.442** | **5.662** | **640.0** | **262.0** |
| | | | ARITH MEAN | | **0.025** | **0.225** | **1.03** | **0.042** | **2.71** | **2.979** | **0.811** | **3.790** | **506** | **36** |
| | | | GEOM MEAN | | **0.014** | **0.159** | **1.00** | **0.037** | **2.52** | **2.761** | **0.792** | **3.612** | **502** | **16** |
| | | | MINIMUM | | **0.001** | **0.040** | **0.73** | **0.017** | **1.270** | **1.507** | **0.644** | **2.349** | **423.0** | **4** |
| | | | STD DEV | | **0.026** | **0.208** | **0.27** | **0.025** | **1.02** | **1.196** | **0.205** | **1.235** | **66** | **71** |
| | | | NO OF SAMPLES | | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **12** | **12** |

| TEST-NAME: | | | | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | PH FIELD |
| 80 01 07 1145 | | | .3 | 1 | 443.0 | 600.0 | 7.10 | 28.000 | | 8.01 | |
| 80 02 05 1255 | | | .3 | 1 | 561.0 | 840.0 | 7.20 | 58.000 | | 8.14 | |
| 80 03 12 1200 | | | .3 | 1 | 633.0 | 940.0 | 5.30 | 115.000 | | 8.18 | |
| 80 04 16 1125 | | | .3 | 1 | 324.0 | 450.0 | 160.00 | 20.500 | | 7.95 | |
| 80 05 13 1102 | | | .3 | 1 | 439.0 | 700.0 | 7.40 | 46.000 | | 8.40 | |
| 80 06 10 1115 | | | .3 | 1 | 471.0 | 650.0 | 17.00 | 42.500 | 71.000 | 8.40 | |
| 80 07 10 1755 | | | .3 | 1 | | 700.0 | | | | 8.35 | 8.30 |
| 80 07 11 0350 | | | .3 | 1 | | 700.0 | | | | 8.42 | 8.35 |
| 80 07 16 1130 | | | .3 | 1 | 512 | 700 | 16.0 | 58.5 | | 8.34 | |
| 80 08 12 1140 | | | .3 | 1 | 475 | 650 | 9.5 | 48.0 | | 8.57 | |
| 80 09 04 1100 | | | .3 | 1 | 403.0 | 660.0 | 7.00 | 47.000 | | 8.30 | |
| 80 10 27 1156 | | | .3 | 1 | 422.0 | 680.0 | 5.40 | 42.500 | | 8.16 | |
| 80 11 20 1138 | | | .3 | 1 | 480 | 730 | 1.8 | 47.5 | | 8.34 | |
| 80 12 16 1129 | | | .3 | 1 | 477.0 | 780.0 | 4.40 | 50.000 | | 8.25 | |
| | | | MAXIMUM | | **633.0** | **940.0** | **160.00** | **115.000** | **71.000** | **8.57** | **8.35** |
| | | | ARITH MEAN | | **470** | **698** | **20.6** | **5[illegible].2** | **71.000** | **8.27** | **8.32** |
| | | | GEOM MEAN | | **464** | **689** | **8.9** | **46.4** | | **8.27** | **8.32** |
| | | | MINIMUM | | **324.0** | **450.0** | **1.8** | **20.500** | **71.000** | **7.95** | **8.30** |
| | | | STD DEV | | **77** | **112** | **44.1** | **23.0** | | **0.17** | **0.04** |
| | | | NO OF SAMPLES | | **12** | **14** | **12** | **12** | **1** | **14** | **2** |

B O W / SITE: **ALDER CREEK**
SAMPLE POINT: **AT MANNHEIM BRIDGE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-026-02**
STORET CODE: **02 003 0150**

LAT: LONG: U T M: **17 0536500.0 4804800.0 4** REGION: **02** DISTANCE: **188.298**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 14 1135 | | | .3 | 1 | 29037 | 6 | 3700C | 32500 | 670 | 990 | 1.0 | 12.4 | 2.6 | 0.628 |
| 80 02 11 1015 | | | .3 | 1 | 29078 | 4 6 | 3400 | 7000 | 1000 | 3100 | 1.0 | 12.4 | 1.2 | 1.150 |
| 80 03 04 1125 | | | .3 | 1 | 29119 | 4 6 | 530C | 2600 | 20I | 30I | 0.5 | 11.8 | 1.0 | 1.710 |
| 80 04 02 0945 | | | .3 | 1 | 29160 | 3 6 | 1280 | 3600 | | 1500> | 2.5 | 12.0 | 1.0 | 0.615 |
| 80 05 14 1125 | | | .3 | 1 | 29201 | 6 | 11000 | 27000 | 1900 | 6500 | 10.0 | 16.0 | 3.2 | 2.320 |
| 80 06 03 1300 | | | .3 | 1 | 29242 | 3 | 370000 | 740000 | 100000 | 56000 | 15.0 | 8.4 | 3.6 | 1.380 |
| 80 07 08 1345 | | | .3 | 1 | 29283 | 8 | 700I | 24000 | 510 | 1400 | 24.0 | 20.0 | 4.6 | 1.600 |
| 80 07 10 1350 | | | .3 | 1 | 80151 | 8 | | | | | 27.0 | 15.4 | | 1.570 |
| 80 07 11 0130 | | | .3 | 1 | 80150 | 8 | | | | | 21.5 | 4.4 | | 2.560 |
| 80 08 06 1050 | | | .3 | 1 | 29324 | 6 | 3900C | 60000 | 1160 | 500 | 21.5 | 8.8 | 5.5 | 2.920 |
| 80 09 17 1150 | | | .3 | 1 | 29365 | 6 | 9100> | 120000 | 1900 | 3000C | 15.0 | 8.3 | 2.0 | 2.940 |
| 80 10 23 1325 | | | .3 | 1 | 29406 | 6 | 600I | 17000 | 120I | 700I | 7.0 | 15.5 | 1.6 | 2.320 |
| 80 11 19 1137 | | | .3 | 1 | 29447 | 6 | 580C | 10400 | 40I | 40I | 0.2 | 14.9 | 2.2 | 2.22 |
| 80 12 17 1126 | | | .3 | 1 | 29488 | 6 | 1240C | 5600 | 10I | 10< | 0.1 | 12.2 | 1.5 | 1.730 |
| | | | MAXIMUM | | | | **370000>** | **740000** | **100000** | **56000>** | **27.0** | **20.0** | **5.5** | **2.940** |
| | | | ARITH MEAN | | | | **33838G** | **87475** | **9757** | **61478** | **10.4** | **12.3** | **2.5** | **1.83** |
| | | | GEOM MEAN | | | | **2912G** | **20982** | **446** | **7468** | **3.8** | **11.6** | **2.1** | **1.65** |
| | | | MINIMUM | | | | **530** | **2600** | **10** | **10<** | **0.1** | **4.4** | **1.0** | **0.615** |
| | | | STD DEV | | | | **105920G** | **208160** | **29938** | **158098** | **10.0** | **4.0** | **1.5** | **0.75** |
| | | | NO OF SAMPLES | | | | **12** | **12** | **11** | **12** | **14** | **14** | **12** | **14** |

(CONTD)

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 14 1135 | | | .3 | 1 | 0.550 | 1.080 | 2.230 | 0.068 | 7.330 | 8.478 | 1.150 | 9.628 | 466.0 | 18.0 |
| 80 02 11 1015 | | | .3 | 1 | 1.150 | 0.980 | 1.510 | 0.770 | 13.700 | 15.450 | 0.530 | 15.980 | 561.0 | 4.0 |
| 80 03 04 1125 | | | .3 | 1 | 1.480 | 1.020 | 1.800 | 0.580 | 16.900 | 18.500 | 0.780 | 19.280 | 581.0 | 3.0 |
| 80 04 02 0945 | | | .3 | 1 | 0.530 | 0.660 | 1.640 | 0.125 | 7.170 | 7.955 | 0.980 | 8.935 | 429.0 | 6.0 |
| 80 05 14 1125 | | | .3 | 1 | 1.900 | 0.294 | 2.350 | 0.300 | 12.200 | 12.794 | 2.056 | 14.850 | 546.0 | 4.0 |
| 80 06 03 1300 | | | .3 | 1 | 0.590 | 0.354 | 2.400 | 0.170 | 7.430 | 7.954 | 2.046 | 10.000 | 623.0 | 176.0 |
| 80 07 08 1345 | | | .3 | 1 | 1.150 | 0.054 | 1.900 | 0.510 | 4.990 | 5.554 | 1.846 | 7.400 | 676.0 | 16.0 |
| 80 07 10 1350 | | | .3 | 1 | 1.250 | 0.132 | 1.300 | 0.300 | 1.900 | 2.332 | 1.168 | 3.500 | | |
| 80 07 11 0130 | | | .3 | 1 | 2.450 | 0.088 | 1.030 | 0.170 | 1.880 | 2.138 | 0.942 | 3.080 | | |
| 80 08 06 1050 | | | .3 | 1 | 2.650 | 0.112 | 2.580 | | | | 2.468 | | 610.0 | 22.0 |
| 80 09 17 1150 | | | .3 | 1 | 2.500 | 0.050 | 0.950 | 0.310 | 2.300 | 2.660 | 0.900 | 3.560 | 598.0 | 6.0 |
| 80 10 23 1325 | | | .3 | 1 | 1.800 | 0.102 | 0.750 | 0.310 | 19.700 | 20.112 | 0.648 | 20.760 | 557.0 | 3.0 |
| 80 11 19 1137 | | | .3 | 1 | 2.02 | 0.50 | 1.18 | 0.270 | 20 | 20.770 | 0.680 | 21.450 | 601 | 8 |
| 80 12 17 1126 | | | .3 | 1 | 1.550 | 1.080 | 1.830 | 0.170 | 15.000 | 16.250 | 0.750 | 17.000 | 609.0 | 11.0 |
| MAXIMUM | | | | | 2.650 | 1.080 | 2.580 | 0.770 | 20 | 20.770 | 2.468 | 21.450 | 676.0 | 176.0 |
| ARITH MEAN | | | | | 1.54 | 0.46 | 1.67 | 0.312 | 10 | 10.842 | 1.210 | 11.956 | 571 | 23 |
| GEOM MEAN | | | | | 1.38 | 0.27 | 1.57 | 0.258 | 7 | 8.384 | 1.080 | 9.872 | 567 | 9 |
| MINIMUM | | | | | 0.530 | 0.050 | 0.750 | 0.068 | 1.880 | 2.138 | 0.530 | 3.080 | 429.0 | 3.0 |
| STD DEV | | | | | 0.71 | 0.41 | 0.58 | 0.200 | 6 | 6.848 | 0.625 | 6.663 | 67 | 48 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 13 | 13 | 13 | 14 | 13 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 14 1135 | | | .3 | 1 | 448.0 | 680.0 | 13.00 | 52.000 | 7.74 | |
| 80 02 11 1015 | | | .3 | 1 | 557.0 | 820.0 | 3.00 | 80.000 | 7.95 | |
| 80 03 04 1125 | | | .3 | 1 | 578.0 | 900.0 | 2.50 | 83.000 | 7.75 | |
| 80 04 02 0945 | | | .3 | 1 | 423.0 | 640.0 | 3.50 | 38.000 | 7.95 | |
| 80 05 14 1125 | | | .3 | 1 | 542.0 | 750.0 | 5.50 | 57.000 | 8.56 | |
| 80 06 03 1300 | | | .3 | 1 | 447.0 | 600.0 | 35.00 | 33.500 | 7.94 | |
| 80 07 08 1345 | | | .3 | 1 | 610 | 850 | 7.3 | 86.0 | 8.90 | |
| 80 07 10 1350 | | | .3 | 1 | | 850.0 | | | 8.88 | 8.50 |
| 80 07 11 0130 | | | .3 | 1 | | 900.0 | | | 8.02 | 7.80 |
| 80 08 06 1050 | | | .3 | 1 | 588 | 850 | 8.3 | 83.5 | 8.09 | |
| 80 09 17 1150 | | | .3 | 1 | 592.0 | 870.0 | 3.60 | 75.000 | 7.93 | |
| 80 10 23 1325 | | | .3 | 1 | 554.0 | 580.0 | 1.80 | 80.500 | 8.51 | |
| 80 11 19 1137 | | | .3 | 1 | 593 | 940 | 1.5 | 90 | 8.15 | |
| 80 12 17 1126 | | | .3 | 1 | 598.0 | 960.0 | 5.80 | 78.000 | 7.82 | |
| MAXIMUM | | | | | 610 | 960.0 | 35.00 | 90 | 8.90 | 8.50 |
| ARITH MEAN | | | | | 544 | 799 | 7.5 | 69 | 8.16 | 8.15 |
| GEOM MEAN | | | | | 540 | 789 | 4.9 | 68 | 8.15 | 8.14 |
| MINIMUM | | | | | 423.0 | 580.0 | 1.5 | 33.500 | 7.74 | 7.80 |
| STD DEV | | | | | 68 | 126 | 9.2 | 19 | 0.39 | 0.49 |
| NO OF SAMPLES | | | | | 12 | 14 | 12 | 12 | 14 | 2 |

B.O.W / SITE: **GRAND RIVER**
SAMPLE POINT: **AT COCKSUTTS BRIDGE BRANTFORD**
STATION TYPE: **RIVER FLOW GAUGE FED 02GA001**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-027-02**
STORET CODE: **02**
**003**
**0150**

LAT:
LONG:
U T M: **17 0561425.0 4773050.0 4**
REGION: **02**
DISTANCE: **92.535**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 07 1150 | | | .3 | 1 | 29006 | 6 | 50.000 | 300I | 3400 | 30I | 20I | 0.7 | 12.4 | 1.2 |
| 80 02 05 1240 | | | .3 | 1 | 29047 | 4 6 | 24.000 | 2380C | 4200 | 164 | 36 | 1.0 | 13.9 | 0.4 |
| 80 03 12 1215 | | | .3 | 1 | 29088 | 4 | 22.000 | 320 | 2200 | 4< | 32 | 0.5 | 15.5 | 0.4 |
| 80 04 16 1115 | | | .3 | 1 | 29129 | 3 6 | 308.000 | 5800 | 19000 | 560 | 1500> | 2.0 | 12.5 | 1.8 |
| 80 05 13 1112 | | | .3 | 1 | 29170 | 6 | 39.400 | 1500 | 13000 | 120 | 160I | 13.2 | 10.0 | 1.2 |
| 80 06 10 1125 | | | .3 | 1 | 29211 | 6 | 39.000 | 1300 | 22100 | 50I | 10I | 14.0 | 11.4 | 0.8 |
| 80 07 10 1745 | | | .3 | 1 | 80165 | 6 | 20.900 | | | | | 26.0 | 9.8 | |
| 80 07 11 0345 | | | .3 | 1 | 80164 | 6 | 20.300 | | | | | 23.5 | 6.3 | |
| 80 07 16 1140 | | | .3 | 1 | 29252 | 6 | 21.700 | 900C | 30000 | 180 | 130 | 23.5 | 9.4 | 1.6 |
| 80 08 12 1145 | | | .3 | 1 | 29293 | 5 | 33.200 | 1000C | 30500 | 100I | 200 | 22.0 | 10.4 | 1.6 |
| 80 09 04 1105 | | | .3 | 1 | 29334 | 6 | 28.100 | 1000 | 24000 | 60< | 220 | 21.0 | 10.2 | 1.0 |
| 80 10 27 1203 | | | .3 | 1 | 29375 | 6 | 51.200 | 1000 | 21000 | 90I | 50I | 6.0 | 12.9 | 0.8 |
| 80 11 20 1143 | | | .3 | 1 | 29416 | 6 | 34.700 | 1500 | 90 | 150 | 20I | 2.2 | 14.4 | 1.0 |
| 80 12 16 1135 | | | .3 | 1 | 29457 | 6 | 43.900 | 3600C | 5600 | 100 | 10< | 0.1 | 14.6 | 1.0 |
| MAXIMUM | | | | | | | 308.000 | 5800 | 30500 | 560 | 1500> | 26.0 | 15.5 | 1.8 |
| ARITH MEAN | | | | | | | 52.600 | 1717 | 14591 | 134L | 1998 | 11.1 | 11.7 | 1.1 |
| GEOM MEAN | | | | | | | 36.805 | 1235 | 7645 | 82L | 628 | 4.4 | 11.4 | 1.0 |
| MINIMUM | | | | | | | 20.300 | 300 | 90 | 4< | 10< | 0.1 | 6.3 | 0.4 |
| STD DEV | | | | | | | 74.280 | 1569 | 11186 | 144L | 4178 | 10.3 | 2.5 | 0.4 |
| NO OF SAMPLES | | | | | | | 14 | 12 | 12 | 12 | 12 | 14 | 14 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 07 1150 | | | .3 | 1 | 0.085 | 0.053 | 0.286 | 0.980 | 0.036 | 3.810 | 4.132 | 0.694 | 4.826 | 436.0 |
| 80 02 05 1240 | | | .3 | 1 | 0.089 | 0.033 | 0.420 | 1.320 | 0.115 | 4.170 | 4.705 | 0.900 | 5.605 | 587.0 |
| 80 03 12 1215 | | | .3 | 1 | 0.065 | 0.036 | 0.370 | 1.000 | 0.036 | 3.810 | 4.216 | 0.630 | 4.846 | 644.0 |
| 80 04 16 1115 | | | .3 | 1 | 0.530 | 0.072 | 0.200 | 1.700 | 0.047 | 3.600 | 3.847 | 1.500 | 5.347 | 522.0 |
| 80 05 13 1112 | | | .3 | 1 | 0.030 | 0.001 | 0.036 | 0.640 | 0.040 | 2.360 | 2.436 | 0.604 | 3.040 | 440.0 |
| 80 06 10 1125 | | | .3 | 1 | 0.066 | 0.013 | 0.024 | 0.780 | 0.052 | 2.550 | 2.626 | 0.756 | 3.382 | 475.0 |
| 80 07 10 1745 | | | .3 | 1 | 0.063 | 0.003 | 0.068 | 0.810 | 0.014 | 1.740 | 1.822 | 0.742 | 2.564 | |
| 80 07 11 0345 | | | .3 | 1 | 0.065 | 0.006 | 0.076 | 0.750 | 0.013 | 1.870 | 1.959 | 0.674 | 2.633 | |
| 80 07 16 1140 | | | .3 | 1 | 0.077 | 0.003 | 0.026 | 0.840 | 0.016 | 1.530 | 1.572 | 0.814 | 2.386 | 544.0 |
| 80 08 12 1145 | | | .3 | 1 | 0.103 | 0.006 | 0.050 | 0.930 | 0.019 | 1.330 | 1.399 | 0.880 | 2.279 | 472.0 |
| 80 09 04 1105 | | | .3 | 1 | 0.084 | 0.030 | 0.022 | 0.720 | 0.012 | 1.990 | 2.024 | 0.698 | 2.722 | 403.0 |
| 80 10 27 1203 | | | .3 | 1 | 0.048 | 0.010 | 0.048 | 0.680 | 0.014 | 2.100 | 2.162 | 0.632 | 2.794 | 417.0 |
| 80 11 20 1143 | | | .3 | 1 | 0.028 | 0.001 | 0.024 | 0.79 | 0.016 | 2.69 | 2.730 | 0.766 | 3.496 | 493 |

(CONTD)

B O W / SITE **GRAND RIVER**
SAMPLE POINT **AT COCKSUTTS BRIDGE BRANTFORD**
STATION TYPE **RIVER FLOW GAUGE FED 02GA001**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ERIE**
TERM STREAM **GRAND RIVER**

STATION ID: **16-0184-027-02**
STORET CODE: **02**
**003**
**0150**

LAT LONG U T M: **17 0561425.0 4773050.0 4** REGION: **02** DISTANCE: **92.535**

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 12 16 1135 | | | 3 | 1 | 0.055 | 0.022 | 0.210 | 1.080 | 0.023 | 4.330 | 4.563 | 0.870 | 5.433 | 501.0 |
| **MAXIMUM** | | | | | **0.530** | **0.072** | **0.420** | **1.700** | **0.115** | **4.330** | **4.705** | **1.500** | **5.605** | **644.0** |
| **ARITH MEAN** | | | | | **0.099** | **0.021** | **0.133** | **0.93** | **0.032** | **2.70** | **2.871** | **0.797** | **3.668** | **494** |
| **GEOM MEAN** | | | | | **0.072** | **0.010** | **0.077** | **0.89** | **0.026** | **2.52** | **2.855** | **0.775** | **3.480** | **490** |
| **MINIMUM** | | | | | **0.028** | **0.001** | **0.022** | **0.640** | **0.012** | **1.330** | **1.399** | **0.604** | **2.279** | **403.0** |
| **STD DEV** | | | | | **0.126** | **0.022** | **0.139** | **0.28** | **0.027** | **1.03** | **1.172** | **0.224** | **1.254** | **71** |
| **NO OF SAMPLES** | | | | | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **12** |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | PH FIELD |
| 80 01 07 1150 | | | .3 | 1 | 8.0 | 428.0 | 590.0 | 8.80 | 27.000 | | 8.09 | |
| 80 02 05 1240 | | | .3 | 1 | 6.0 | 581.0 | 880.0 | 3.60 | 58.000 | | 8.14 | |
| 80 03 12 1215 | | | .3 | 1 | 6.0 | 638.0 | 1000.0 | 5.20 | 133.000 | | 8.23 | |
| 80 04 16 1115 | | | .3 | 1 | 236.0 | 286.000 | 440.0 | 170.00 | 19.500 | | 8.01 | |
| 80 05 13 1112 | | | 3 | 1 | 3.0 | 437.0 | 650.0 | 3.30 | 45.000 | | 8.41 | |
| 80 06 10 1125 | | | .3 | 1 | 7.0 | 468.0 | 650.0 | 3.70 | 42.000 | 66.000 | 8.50 | |
| 80 07 10 1745 | | | 3 | 1 | | | 700.0 | | | | 8.52 | 8.55 |
| 80 07 11 0345 | | | 3 | 1 | | | 700.0 | | | | 8.45 | 8.40 |
| 80 07 16 1140 | | | 3 | 1 | 23.0 | 512 | 700 | 6.0 | 55.5 | | 8.37 | |
| 80 08 12 1145 | | | 3 | 1 | 18.0 | 454 | 650 | 6.8 | 41.0 | | 8.53 | |
| 80 09 04 1105 | | | 3 | 1 | 16.0 | 387.0 | 640.0 | 3.80 | 43.500 | | 8.40 | |
| 80 10 27 1203 | | | .3 | 1 | 10.0 | 407.0 | 640.0 | 5.00 | 39.500 | | 8.19 | |
| 80 11 20 1143 | | | .3 | 1 | 2 | 491 | 720 | 2.0 | 46.0 | | 8.39 | |
| 80 12 16 1135 | | | 3 | 1 | 10.0 | 491.0 | 750.0 | 4.60 | 43.500 | | 8.32 | |
| **MAXIMUM** | | | | | **236.0** | **638.0** | **1000.0** | **170.00** | **133.000** | **66.000** | **8.53** | **8.55** |
| **ARITH MEAN** | | | | | **28** | **465** | **693** | **18.5** | **49.4** | **66.000** | **8.32** | **8.47** |
| **GEOM MEAN** | | | | | **10** | **456** | **682** | **6.0** | **44.4** | | **8.32** | **8.47** |
| **MINIMUM** | | | | | **2** | **286.000** | **440.0** | **2.0** | **19.500** | **66.000** | **8.01** | **8.40** |
| **STD DEV** | | | | | **65** | **90** | **129** | **47.7** | **28.3** | | **0.17** | **0.11** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **14** | **12** | **12** | **1** | **14** | **2** |

B O W / SITE: **GRAND RIVER**
SAMPLE POINT: **AT HIGHWAY NO 7 BRESLAU**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-028-02**
STORET CODE: **02**
**003**
**0150**

LAT: LONG: U T M: **17 0546650.0 4814025.0 4** REGION: **02** DISTANCE: **171.873**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 14 1000 | | | 3 | 1 | 29032 | 6 | 2000 | 14500 | 610 | 770 | 1.5 | 14.4 | 0.8 | 0.130 |
| 80 02 11 1200 | | | .3 | 1 | 29073 | 4 6 | 90 | 370 | 10 | 10< | 0.7 | 13.3 | 1.0 | 0.054 |
| 80 03 04 0955 | | | .3 | 1 | 29114 | 6 | 400 | 1000 | 16 | 8 | 0.5 | 14.0 | 1.4 | 0.067 |
| 80 04 02 1110 | | | 3 | 1 | 29155 | 3 6 | 2160C | 5500 | | 940 | 2.0 | 12.2 | 2.2 | 0.228 |
| 80 05 14 0930 | | | .3 | 1 | 29196 | 6 | 1480C | 8200 | 320 | 220 | 11.0 | 10.1 | 0.8 | 0.041 |
| 80 06 03 1030 | | | 3 | 1 | 29237 | 3 | 1100 | 11000 | 1040 | 1420 | 16.0 | 7.9 | 1.0 | 0.059 |
| 80 07 08 1200 | | | .3 | 1 | 29278 | 6 | 300I | 27000 | 30I | 10< | 22.0 | 9.8 | 1.4 | 0.079 |
| 80 07 09 1640 | | | 3 | 1 | 80135 | 6 | | | | | 23.5 | 9.4 | | 0.059 |
| 80 07 10 0250 | | | .3 | 1 | 80134 | 6 | | | | | 21.0 | 6.5 | | 0.067 |
| 80 08 06 0930 | | | 3 | 1 | 29319 | 6 | 1900C | 50000 | 180I | 200 | 21.5 | 6.7 | 1.6 | 0.108 |
| 80 09 17 0920 | | | 3 | 1 | 29360 | 6 | 400< | 27000 | 90< | 80< | 17.5 | | 1.5 | 0.048 |
| 80 10 23 1205 | | | .3 | 1 | 29401 | 6 | 800I | 8100 | 60I | 40I | 7.0 | 12.2 | 1.4 | 0.038 |
| 80 11 19 1012 | | | 3 | 1 | 29442 | 6 | 120I | 5000 | 10< | 10I | 1.0 | 14.0 | 0.5 | 0.018 |
| 80 12 17 0955 | | | .3 | 1 | 29483 | 6 | 1920C | 9200 | 50I | 220 | 0.1 | 13.6 | 1.0 | 0.044 |
| **MAXIMUM** | | | | | | | **2160** | **50000** | **1040** | **1420** | **23.5** | **14.4** | **2.2** | **0.228** |
| **ARITH MEAN** | | | | | | | **1058L** | **13906** | **220L** | **327L** | **10.4** | **11.1** | **1.2** | **0.074** |
| **GEOM MEAN** | | | | | | | **685L** | **7583** | **76L** | **89L** | **4.2** | **10.7** | **1.1** | **0.062** |
| **MINIMUM** | | | | | | | **90<** | **370** | **10<** | **8<** | **0.1** | **6.6** | **0.5** | **0.018** |
| **STD DEV** | | | | | | | **801L** | **14279** | **328L** | **462L** | **9.5** | **2.9** | **0.5** | **0.053** |
| **NO OF SAMPLES** | | | | | | | **12** | **12** | **11** | **12** | **14** | **13** | **12** | **14** |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 14 1000 | | | 3 | 1 | 0.065 | 0.254 | 1.200 | 0.034 | 4.220 | 4.508 | 0.946 | 5.454 | 361.00 | 18.00 |
| 80 02 11 1200 | | | .3 | 1 | 0.023 | 0.214 | 0.870 | 0.034 | 2.570 | 2.818 | 0.656 | 3.474 | 366.00 | 2.00 |
| 80 03 04 0955 | | | .3 | 1 | 0.040 | 0.222 | 0.910 | 0.135 | 2.360 | 2.717 | 0.688 | 3.405 | 415.00 | 4.00 |
| 80 04 02 1110 | | | 3 | 1 | 0.079 | 0.400 | 1.250 | 0.038 | 2.240 | 2.678 | 0.850 | 3.528 | 236.00 | 21.00 |
| 80 05 14 0930 | | | 3 | 1 | 0.003 | 0.030 | 0.740 | 0.026 | 2.110 | 2.166 | 0.710 | 2.876 | 379.00 | 10.00 |
| 80 06 03 1030 | | | 3 | 1 | 0.003 | 0.046 | 0.780 | 0.029 | 1.770 | 1.845 | 0.734 | 2.579 | 342.00 | 23.00 |
| 80 07 08 1200 | | | .3 | 1 | 0.073 | 0.074 | 0.860 | 0.029 | 1.120 | 1.223 | 0.786 | 2.009 | 340.0 | 13.0 |
| 80 07 09 1640 | | | .3 | 1 | 0.009 | 0.106 | 0.850 | 0.051 | 1.250 | 1.407 | 0.744 | 2.151 | | |
| 80 07 10 0250 | | | .3 | 1 | 0.010 | 0.144 | 0.950 | 0.076 | 1.220 | 1.440 | 0.806 | 2.246 | | |
| 80 08 06 0930 | | | .3 | 1 | 0.016 | 0.030 | 1.000 | 0.010 | 0.705 | 0.745 | 0.970 | 1.715 | 316.0 | 36.0 |
| 80 09 17 0920 | | | .3 | 1 | 0.020 | 0.056 | 0.780 | 0.012 | 0.658 | 0.726 | 0.724 | 1.450 | 385.00 | 15.00 |
| 80 10 23 1205 | | | .3 | 1 | 0.013 | 0.040 | 0.770 | 0.009 | 1.590 | 1.639 | 0.730 | 2.369 | 331 | 7.0 |
| 80 11 19 1012 | | | .3 | 1 | 0.003 | 0.026 | 0.72 | 0.007 | 1.74 | 1.773 | 0.694 | 2.467 | 387 | 3 |

(CONTD)

| | TEST-NAME: | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKJ | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 12 17 0955 | .3 | 1 | 0.018 | 0.150 | 1.010 | 0.016 | 3.130 | 3.296 | 0.860 | 4.156 | 413.00 | 8.00 |
| | MAXIMUM | | 0.079 | 0.400 | 1.250 | 0.135 | 4.220 | 4.508 | 0.970 | 5.454 | 415.00 | 36.0 |
| | ARITH MEAN | | 0.027 | 0.128 | 0.90 | 0.038 | 1.90 | 2.070 | 0.778 | 2.848 | 366 | 13 |
| | GEOM MEAN | | 0.016 | 0.089 | 0.89 | 0.026 | 1.68 | 1.830 | 0.773 | 2.681 | 362 | 9 |
| | MINIMUM | | 0.003 | 0.028 | 0.72 | 0.007 | 0.658 | 0.728 | 0.658 | 1.460 | 236.00 | 2.00 |
| | STD DEV | | 0.027 | 0.111 | 0.16 | 0.034 | 0.97 | 1.047 | 0.096 | 1.071 | 48 | 9 |
| | NO OF SAMPLES | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| | | | TEST-NAME: | | RSF | COND25 | TURB | CLIDUR | SSO4UR | ALKT | PH | FWPH | PHNOL | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE |
| 80 01 14 1000 | | | .3 | 1 | 343.00 | 480.0 | 16.00 | 18.500 | 44.000 | 171 | 7.98 | | 1.000< | 0.980 |
| 80 02 11 1200 | | | .3 | 1 | 364.00 | 580.0 | 2.30 | 25.500 | 63.000 | 205.0 | 7.97 | | 1.000< | 0.160 |
| 80 03 04 0955 | | | .3 | 1 | 411.00 | 620.0 | 2.90 | 40.000 | 79.000 | 199.0 | 7.89 | | 1.000< | 0.240 |
| 80 04 02 1110 | | | .3 | 1 | 215.000 | 330.0 | 3.70 | 11.000 | 25.000 | 122.0 | 7.99 | | 25.000 | 3.500 |
| 80 05 14 0930 | | | .3 | 1 | 369.00 | 550.0 | 6.80 | 27.000 | 56.500 | 178.0 | 8.30 | | 1.000< | 0.460 |
| 80 06 03 1030 | | | .3 | 1 | 319.00 | 450.0 | 15.00 | 22.500 | 47.000 | 162.0 | 8.21 | | 1.000< | 1.200 |
| 80 07 08 1200 | | | .3 | 1 | 327 | 495 | 6.7 | 36.0 | 57.0 | 163 | 8.39 | | 1 < | 0.600 |
| 80 07 09 1640 | | | .3 | 1 | | 500.0 | | | | | 8.48 | 8.50 | | |
| 80 07 10 0250 | | | .3 | 1 | | 500.0 | | | | | 8.20 | 8.25 | | |
| 80 08 06 0930 | | | .3 | 1 | 280 | 430 | 17.0 | 13.0 | 28.5 | 181 | 8.15 | | 1 < | 1.300 |
| 80 09 17 0920 | | | .3 | 1 | 270.00 | 445.0 | 3.30 | 18.000 | 40.500 | 172.0 | 8.20 | | 1.000< | 0.370 |
| 80 10 23 1205 | | | .3 | 1 | 324 | 520 | 3.10 | 20.0 | 42.000 | 203.0 | 8.48 | | 1.000< | 0.180 |
| 80 11 19 1012 | | | .3 | 1 | 384 | 570 | 2.4 | 23.0 | 50.0 | 231 | 8.46 | | 1 < | 0.12 |
| 80 12 17 0955 | | | .3 | 1 | 405.00 | 650.0 | 4.20 | 22.500 | 45.500 | 266.0 | 8.26 | | 1.000< | 0.290 |
| MAXIMUM | | | | | 411.00 | 650.0 | 17.0 | 40.000 | 79.000 | 266.0 | 8.48 | 8.50 | 25.000 | 3.500 |
| ARITH MEAN | | | | | 334 | 508 | 6.9 | 23.0 | 48.1 | 187 | 8.21 | 8.37 | 3 L | 0.78 |
| GEOM MEAN | | | | | 329 | 501 | 5.2 | 21.7 | 46.0 | 184 | 8.21 | 8.37 | 1 L | 0.47 |
| MINIMUM | | | | | 215.000 | 330.0 | 2.30 | 11.000 | 25.000 | 122.0 | 7.89 | 8.25 | 1.000< | 0.12 |
| STD DEV | | | | | 58 | 83 | 5.6 | 8.4 | 14.6 | 38 | 0.20 | 0.18 | 8 L | 0.94 |
| NO OF SAMPLES | | | | | 12 | 14 | 12 | 12 | 12 | 12 | 14 | 2 | 12 | 12 |

| | | | TEST-NAME: | | COLAP | COD | ASUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | CHEM. OX DEMAND MG/L AS O | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN |
| 80 01 14 1000 | | | .3 | 1 | 53.000 | 36 | 0.025 | 0.840 | 0.020< | 0.010 | 0.030< | 0.010 | 0.010 | 0.039 |
| 80 02 11 1200 | | | .3 | 1 | 32.000 | 6 | 0.001< | 0.130 | 0.020< | 0.020 | 0.050 | 0.005 < | 0.010< | 0.013 |
| 80 03 04 0955 | | | .3 | 1 | 36.000 | 62 | 0.001 | 0.100 | 0.020< | 0.010 | 0.030< | 0.006 | 0.080 | 0.020 |
| 80 04 02 1110 | | | .3 | 1 | 51.000 | 110 | 0.002 | 2.900 | 0.020< | 0.020 | 0.030< | 0.005 < | 0.020 | 0.094 |
| 80 05 14 0930 | | | .3 | 1 | 34.000 | 34 | 0.001< | 0.430 | 0.020 | 0.010< | 0.030< | 0.005 < | 0.010< | 0.031 |
| 80 06 03 1030 | | | .3 | 1 | 42.000 | 32 | 0.001 | 1.000 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010 | 0.050 |
| 80 07 08 1200 | | | .3 | 1 | 31 | 16 | 0.001< | 0.280 | 0.020 | 0.020 | 0.030< | 0.005 < | 0.010< | 0.070 |
| 80 08 06 0930 | | | .3 | 1 | 61 | 32 | 0.001 | 0.940 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.030 | 0.140 |
| 80 09 17 0920 | | | .3 | 1 | 28.000 | 25 | 0.001< | 0.200 | 0.002< | 0.012 | 0.003< | 0.0002< | 0.027 | 0.045 |
| 80 10 23 1205 | | | .3 | 1 | 36.000 | 13 | 0.001< | 0.17 | 0.002< | 0.014 | 0.005 | 0.0002< | 0.013 | 0.020 |
| 80 11 19 1012 | | | 3 | 1 | 34 | 25 | 0.001 | 0.14 | 0.001< | 0.007 | 0.003< | 0.0002< | 0.014 | 0.028 |
| 80 12 17 0955 | | | 3 | 1 | 38.000 | 30 | 0.001< | 0.21 | 0.002< | 0.009 | 0.003< | 0.0002< | 0.025 | 0.042 |
| MAXIMUM | | | | | 61 | 110 | 0.025 | 2.900 | 0.020 | 0.020 | 0.080 | 0.010 | 0.080 | 0.140 |
| ARITH MEAN | | | | | 39 | 35 | 0.003L | 0.61 | 0.014L | 0.013L | 0.023L | 0.003 L | 0.022L | 0.049 |
| GEOM MEAN | | | | | 38 | 28 | 0.001L | 0.35 | 0.009L | 0.012L | 0.015L | 0.001 L | 0.017L | 0.040 |
| MINIMUM | | | | | 28.000 | 6 | 0.001< | 0.100 | 0.001< | 0.007< | 0.003< | 0.0002< | 0.010< | 0.013 |
| STD DEV | | | | | 10 | 27 | 0.007L | 0.79 | 0.009L | 0.006L | 0.016L | 0.003 L | 0.020L | 0.036 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| | | | TEST-NAME: | | NIUT | COUT |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 01 14 1000 | | | .3 | 1 | 0.020 < | 0.020 < |
| 80 02 11 1200 | | | 3 | 1 | 0.020 < | 0.020 < |
| 80 03 04 0955 | | | 3 | 1 | 0.030 | 0.030 |
| 80 04 02 1110 | | | .3 | 1 | 0.020 < | 0.020 < |
| 80 05 14 0930 | | | 3 | 1 | 0.020 < | 0.020 < |
| 80 06 03 1030 | | | .3 | 1 | 0.030 | 0.020 < |
| 80 07 08 1200 | | | 3 | 1 | 0.040 | 0.020 < |
| 80 08 06 0930 | | | .3 | 1 | 0.020 < | 0.020 < |
| 80 09 17 0920 | | | .3 | 1 | 0.002 < | 0.002 < |
| 80 10 23 1205 | | | 3 | 1 | 0.002 < | 0.002 < |
| 80 11 19 1012 | | | 3 | 1 | 0.003 < | 0.0005< |
| 80 12 17 0955 | | | .3 | 1 | 0.0009 | 0.0005< |
| MAXIMUM | | | | | 0.040 | 0.030 |
| ARITH MEAN | | | | | 0.017 L | 0.014 L |
| GEOM MEAN | | | | | 0.010 L | 0.007 L |
| MINIMUM | | | | | 0.0009< | 0.0005< |
| STD DEV | | | | | 0.012 L | 0.010 L |
| NO OF SAMPLES | | | | | 12 | 12 |

B.O.W./ SITE: **CONESTOGO RIVER**
SAMPLE POINT: **AT WATERLOO COUNTY ROAD NO.22**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-029-02**
STORET CODE: **02**
**003**
**0150**

LAT LONG U T M: **17 0539200.0 4819125.0 4** REGION: **02** DISTANCE: **193.599**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 08 1455 | | | .3 | 1 | 29030 | 6 | 800C | 6000 | 30I | 20I | 0.2 | 13.5 | 0.8 | 0.108 |
| 80 02 13 1515 | | | .3 | 1 | 29071 | 6 4 | 1200 | 4000 | 60 | 140 | 0.0 | 11.8 | 0.2 | 0.013 |
| 80 03 10 1545 | | | .3 | 1 | 29112 | 4 6 | 230 | 310 | 10< | 10< | 0.5 | 13.7 | 0.2 | 0.021 |
| 80 04 01 0920 | | | .3 | 1 | 29153 | 3 6 | 1960C | 14800 | | 400 | 1.0 | 13.4 | 2.2 | 0.438 |
| 80 05 29 1455 | | | .3 | 1 | 29194 | 6 | 120I | 5200 | 30I | 20I | 12.8 | 17.0 | 0.8 | 0.029 |
| 80 06 23 1320 | | | .3 | 1 | 29235 | 6 | 140C | 16000 | 20 | 32 | 23.5 | 10.4 | 0.4 | 0.023 |
| 80 07 09 1530 | | | .3 | 1 | 80131 | 6 | | | | | 23.0 | 9.4 | | 0.040 |
| 80 07 10 0205 | | | .3 | 1 | 80130 | 6 | | | | | 20.0 | 6.3 | | 0.062 |
| 80 07 29 1255 | | | .3 | 1 | 29276 | 6 | 71000 | 76000 | 91000 | 21000 | 22.0 | 9.9 | 2.0 | 0.093 |
| 80 08 25 1320 | | | .3 | 1 | 29317 | 6 | 1100C | 35000 | 220 | 50I | 24.0 | 10.2 | 0.8 | 0.046 |
| 80 09 25 1315 | | | .3 | 1 | 29358 | 6 | 2300 | 26000 | 2400 | 110 | 16.0 | 12.4 | 1.3 | 0.065 |
| 80 10 20 1355 | | | .3 | 1 | 29399 | 6 | 12600C | 19000 | 1000 | 930 | 8.0 | 13.2 | 0.8 | 0.058 |
| 80 11 26 1448 | | | .3 | 1 | 29440 | 6 | 88 | 640 | 4 | 16 | 1.0 | 16.0 | 1.2 | 0.033 |
| 80 12 10 1442 | | | .3 | 1 | 29481 | 6 3 | 2600C | 46000 | 450 | 1100 | 0.2 | 14.0 | 1.0 | 0.128 |
| MAXIMUM | | | | | | | **71000** | **76000** | **91000** | **21000** | **24.0** | **17.0** | **2.2** | **0.438** |
| ARITH MEAN | | | | | | | **7846** | **20746** | **8657L** | **1986L** | **10.9** | **12.2** | **1.0** | **0.083** |
| GEOM MEAN | | | | | | | **1117** | **9172** | **151L** | **124L** | **3.9** | **11.9** | **0.8** | **0.053** |
| MINIMUM | | | | | | | **88** | **310** | **4<** | **10<** | **0.0** | **6.3** | **0.2** | **0.013** |
| STD DEV | | | | | | | **20182** | **22450** | **27320L** | **6000L** | **10.3** | **2.8** | **0.6** | **0.108** |
| NO OF SAMPLES | | | | | | | **12** | **12** | **11** | **12** | **14** | **14** | **12** | **14** |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 08 1455 | | | .3 | 1 | 0.059 | 0.148 | 0.900 | 0.029 | 4.470 | 4.647 | 0.752 | 5.399 | 346.0 | 11.0 |
| 80 02 13 1515 | | | .3 | 1 | 0.014 | 0.034 | 0.280 | 0.016 | 3.880 | 3.930 | 0.246 | 4.176 | 535.0 | 70.0 |
| 80 03 10 1545 | | | .3 | 1 | 0.008 | 0.100 | 0.510 | 0.016 | 3.280 | 3.396 | 0.410 | 3.806 | 470.0 | 4.0 |
| 80 04 01 0920 | | | .3 | 1 | 0.130 | 0.600 | 1.900 | 0.044 | 2.960 | 3.604 | 1.300 | 4.904 | 321.0 | 113.0 |
| 80 05 29 1455 | | | .3 | 1 | 0.006 | 0.050 | 0.650 | 0.030 | 1.940 | 2.020 | 0.600 | 2.620 | 254.0 | 4.0 |
| 80 06 23 1320 | | | .3 | 1 | 0.002 | 0.032 | 0.740 | 0.028 | 1.320 | 1.380 | 0.708 | 2.088 | 263.0 | 9.0 |
| 80 07 09 1530 | | | .3 | 1 | 0.004 | 0.052 | 0.640 | 0.021 | 1.380 | 1.453 | 0.588 | 2.041 | | |
| 80 07 10 0205 | | | .3 | 1 | 0.004 | 0.062 | 0.720 | 0.021 | 1.480 | 1.563 | 0.658 | 2.221 | | |
| 80 07 29 1255 | | | .3 | 1 | 0.019 | 0.054 | 0.860 | 0.038 | 1.610 | 1.702 | 0.806 | 2.508 | 290.0 | 23.0 |
| 80 08 25 1320 | | | .3 | 1 | 0.002 | 0.010 | 0.630 | 0.010 | 0.759 | 0.779 | 0.620 | 1.399 | 258.0 | 14.0 |
| 80 09 25 1315 | | | .3 | 1 | 0.008 | 0.066 | 0.800 | 0.010 | 0.920 | 0.996 | 0.734 | 1.730 | 277.0 | 27.0 |
| 80 10 20 1355 | | | .3 | 1 | 0.013 | 0.084 | 0.780 | 0.037 | 1.760 | 1.881 | 0.696 | 2.577 | 301.0 | 13.0 |
| 80 11 26 1448 | | | .3 | 1 | 0.003 | 0.026 | 0.80 | 0.008 | 2.25 | 2.284 | 0.774 | 3.058 | 350 | 8 |
| 80 12 10 1442 | | | .3 | 1 | 0.044 | 0.168 | 0.640 | 0.026 | 6.000 | 6.194 | 0.472 | 6.666 | 400.0 | 30.0 |
| MAXIMUM | | | | | **0.130** | **0.600** | **1.900** | **0.044** | **6.000** | **6.194** | **1.300** | **6.666** | **535.0** | **113.0** |
| ARITH MEAN | | | | | **0.023** | **0.108** | **0.77** | **0.024** | **2.42** | **2.559** | **0.689** | **3.228** | **338** | **27** |
| GEOM MEAN | | | | | **0.010** | **0.084** | **0.71** | **0.021** | **2.05** | **2.165** | **0.629** | **2.923** | **329** | **16** |
| MINIMUM | | | | | **0.002** | **0.010** | **0.280** | **0.008** | **0.759** | **0.779** | **0.246** | **1.399** | **254.0** | **4.0** |
| STD DEV | | | | | **0.035** | **0.149** | **0.38** | **0.011** | **1.51** | **1.569** | **0.239** | **1.550** | **89** | **32** |
| NO OF SAMPLES | | | | | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **12** | **12** |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 08 1455 | | | .3 | 1 | 335.0 | 470.0 | 18.00 | 14.500 | 8.05 | |
| 80 02 13 1515 | | | .3 | 1 | 465.0 | 740.0 | 340.00 | 25.000 | 7.84 | |
| 80 03 10 1545 | | | .3 | 1 | 466.0 | 625.0 | 2.70 | 31.500 | 7.92 | |
| 80 04 01 0920 | | | .3 | 1 | 208.000 | 320.0 | 75.00 | 11.500 | 7.90 | |
| 80 05 29 1455 | | | .3 | 1 | 250.000 | 385.0 | 2.10 | 14.500 | 8.73 | |
| 80 06 23 1320 | | | .3 | 1 | 254.000 | 390.0 | 4.50 | 15.500 | 8.59 | |
| 80 07 09 1530 | | | .3 | 1 | | 390.0 | | | 8.53 | 8.55 |
| 80 07 10 0205 | | | .3 | 1 | | 405.0 | | | 8.13 | 8.10 |
| 80 07 29 1255 | | | .3 | 1 | 267 | 410 | 8.7 | 16.5 | 8.28 | |
| 80 08 25 1320 | | | .3 | 1 | 244 | 375 | 4.3 | 15.0 | 8.55 | |
| 80 09 25 1315 | | | .3 | 1 | 250 | 420 | 4.3 | 19.5 | 8.58 | |
| 80 10 20 1355 | | | .3 | 1 | 288.0 | 460 | 4.50 | 20.500 | 8.30 | |
| 80 11 26 1448 | | | .3 | 1 | 342 | 560 | 4.4 | 23.5 | 8.44 | |
| 80 12 10 1442 | | | .3 | 1 | 370.0 | 580.0 | 20.0 | 22.500 | 8.21 | |
| MAXIMUM | | | | | **466.0** | **740.0** | **340.00** | **31.500** | **8.73** | **8.55** |
| ARITH MEAN | | | | | **311** | **466** | **40.7** | **19.1** | **8.29** | **8.32** |
| GEOM MEAN | | | | | **301** | **454** | **9.7** | **18.4** | **8.28** | **8.32** |
| MINIMUM | | | | | **208.000** | **320.0** | **2.10** | **11.500** | **7.84** | **8.10** |
| STD DEV | | | | | **85** | **117** | **96.4** | **5.7** | **0.29** | **0.32** |
| NO OF SAMPLES | | | | | **12** | **14** | **12** | **12** | **14** | **2** |

| | | |
|---|---|---|
| B.O.W./ SITE: **NITH RIVER**<br>SAMPLE POINT: **FIRST BRIDGE DOWNSTREAM FROM NEW HAMBURG**<br>STATION TYPE: **RIVER FLOW GAUGE FED 02GA018** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE ERIE**<br>TERM STREAM: **GRAND RIVER** | STATION ID: **16-0184-032-02**<br>STORET CODE: **02**<br>**083**<br>**0150** |
| LAT: LONG: | U T M: **17 0526050.0 4802400.0 4** | REGION: **02** DISTANCE: **283.255** |

| | | | | TEST-NAME: | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 14 1115 | | | .3 | 1 | 29036 | 6 | 2.000 | 11700C | 172000 | 2700 | 7300 | 1.2 | 13.0 | 2.4 |
| 80 02 11 1045 | | | .3 | 1 | 29077 | 6 | 1.130 | 160 | 14000 | 10 | 20 | 0.5 | 13.4 | 0.2 |
| 80 03 04 1105 | | | .3 | 1 | 29117 | 6 | 0.753 | 430 | 2300 | 10I | 30I | 0.5 | 13.2 | 1.2 |
| 80 04 02 1002 | | | .3 | 1 | 29158 | 3 6 | 13.300 | 1180C | 6700 | | 1500> | 3.0 | 12.2 | 0.2 |
| 80 05 14 1105 | | | .3 | 1 | 29199 | 6 | 5.300 | 5700 | 8600 | 560 | 280 | 12.0 | 11.0 | 1.2 |
| 80 06 03 1205 | | | .3 | 1 | 29240 | 3 | 4.200 | 14000 | 220000 | 980 | 1280 | 17.5 | 8.3 | 1.4 |
| 80 07 08 1315 | | | .3 | 1 | 29281 | 6 | 0.660 | 8000I | 35000 | 120I | 80I | 23.0 | 9.4 | 2.2 |
| 80 07 10 1245 | | | .3 | 1 | 80147 | 6 | 0.600 | | | | | 26.0 | 7.1 | |
| 80 07 11 0105 | | | .3 | 1 | 80146 | 6 | 0.580 | | | | | 24.5 | 6.2 | |
| 80 08 06 1030 | | | .3 | 1 | 29322 | 5 | 0.510 | 700I | 21000 | 200 | 20< | 22.5 | 8.3 | 2.4 |
| 80 09 17 1130 | | | .3 | 1 | 29363 | 6 | 0.482 | 1850> | 24500 | 150 | 260 | 16.0 | 8.3 | 1.5 |
| 80 10 23 1305 | | | .3 | 1 | 29404 | 6 | 1.650 | 200I | 5200 | 10I | 10I | 6.5 | 13.2 | 1.8 |
| 80 11 19 1118 | | | .3 | 1 | 29445 | 6 | 1.000 | 360C | 8800 | 8 | 12 | 0.9 | 14.6 | 0.8 |
| 80 12 17 1105 | | | .3 | 1 | 29486 | 6 | 2.700 | 69000 | 130000 | 11600 | 900I | 0.1 | 12.9 | 1.2 |
| **MAXIMUM** | | | | | | | **13.300** | **69000>** | **220000** | **11600** | **7300>** | **26.0** | **14.6** | **2.4** |
| **ARITH MEAN** | | | | | | | **2.490** | **9440G** | **54008** | **1486** | **974B** | **11.0** | **10.8** | **1.4** |
| **GEOM MEAN** | | | | | | | **1.413** | **1992G** | **21039** | **143** | **147B** | **4.2** | **10.4** | **1.1** |
| **MINIMUM** | | | | | | | **0.482** | **160** | **2300** | **8** | **10<** | **0.1** | **6.2** | **0.2** |
| **STD DEV** | | | | | | | **3.445** | **19369G** | **75421** | **3448** | **2062B** | **10.3** | **2.8** | **0.7** |
| **NO OF SAMPLES** | | | | | | | **14** | **12** | **12** | **11** | **12** | **14** | **14** | **12** |

| | | | | TEST-NAME: | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 14 1115 | | | .3 | 1 | 0.350 | 0.220 | 0.420 | 3.220 | 0.040 | 3.410 | 3.870 | 2.800 | 6.670 | 273.0 |
| 80 02 11 1045 | | | .3 | 1 | 0.060 | 0.035 | 0.092 | 0.500 | 0.019 | 4.280 | 4.391 | 0.408 | 4.799 | 444.0 |
| 80 03 04 1105 | | | .3 | 1 | 0.087 | 0.034 | 0.284 | 1.000 | 0.028 | 3.970 | 4.282 | 0.716 | 4.998 | 484.0 |
| 80 04 02 1002 | | | .3 | 1 | 0.121 | 0.064 | 0.190 | 0.880 | 0.026 | 3.520 | 3.736 | 0.690 | 4.426 | 286.0 |
| 80 05 14 1105 | | | .3 | 1 | 0.083 | 0.007 | 0.030 | 0.840 | 0.017 | 1.880 | 1.927 | 0.810 | 2.737 | 378.0 |
| 80 06 03 1205 | | | .3 | 1 | 0.152 | 0.035 | 0.130 | 1.010 | 0.044 | 2.510 | 2.684 | 0.880 | 3.564 | 408.0 |
| 80 07 08 1315 | | | .3 | 1 | 0.108 | 0.001 | 0.066 | 1.100 | 0.027 | 1.920 | 2.013 | 1.034 | 3.047 | 414.0 |
| 80 07 10 1245 | | | .3 | 1 | 0.088 | 0.007 | 0.098 | 0.920 | 0.038 | 1.910 | 2.046 | 0.822 | 2.868 | |
| 80 07 11 0105 | | | .3 | 1 | 0.072 | 0.005 | 0.068 | 0.950 | 0.034 | 2.020 | 2.122 | 0.882 | 3.004 | |
| 80 08 06 1030 | | | .3 | 1 | 0.143 | 0.010 | 0.016 | 1.080 | 0.016 | 1.050 | 1.082 | 1.064 | 2.146 | 372.0 |
| 80 09 17 1130 | | | .3 | 1 | 0.160 | 0.004 | 0.106 | 0.680 | 0.014 | 0.661 | 0.781 | 0.574 | 1.355 | 336.0 |
| 80 10 23 1305 | | | .3 | 1 | 0.120 | 0.004 | 0.096 | 1.080 | 0.037 | 3.460 | 3.593 | 0.984 | 4.577 | 419.0 |
| 80 11 19 1118 | | | .3 | 1 | 0.035 | 0.003 | 0.024 | 0.63 | 0.014 | 3.84 | 3.878 | 0.606 | 4.484 | 421 |
| 80 12 17 1105 | | | .3 | 1 | 0.278 | 0.215 | 0.710 | 1.390 | 0.026 | 7.720 | 8.456 | 0.680 | 9.136 | 464.0 |
| **MAXIMUM** | | | | | **0.350** | **0.220** | **0.710** | **3.220** | **0.044** | **7.720** | **8.456** | **2.800** | **9.136** | **484.0** |
| **ARITH MEAN** | | | | | **0.133** | **0.046** | **0.166** | **1.09** | **0.027** | **3.01** | **3.204** | **0.925** | **4.129** | **391** |
| **GEOM MEAN** | | | | | **0.112** | **0.014** | **0.100** | **0.98** | **0.025** | **2.55** | **2.722** | **0.831** | **3.725** | **386** |
| **MINIMUM** | | | | | **0.035** | **0.001** | **0.016** | **0.500** | **0.014** | **0.661** | **0.781** | **0.408** | **1.355** | **273.0** |
| **STD DEV** | | | | | **0.086** | **0.075** | **0.191** | **0.65** | **0.010** | **1.76** | **1.915** | **0.570** | **1.982** | **65** |
| **NO OF SAMPLES** | | | | | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **12** |

| | | | | TEST-NAME: | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 14 1115 | | | .3 | 1 | 32.0 | 241.000 | 370.0 | 37.00 | 16.000 | 7.54 | |
| 80 02 11 1045 | | | .3 | 1 | 5.0 | 439.0 | 670.0 | 5.20 | 20.500 | 7.79 | |
| 80 03 04 1105 | | | .3 | 1 | 6.0 | 478.0 | 720.0 | 6.60 | 28.500 | 7.91 | |
| 80 04 02 1002 | | | .3 | 1 | 16.0 | 270.000 | 415.0 | 9.00 | 12.500 | 8.06 | |
| 80 05 14 1105 | | | .3 | 1 | 16.0 | 362.0 | 550.0 | 12.00 | 21.500 | 8.40 | |
| 80 06 03 1205 | | | .3 | 1 | 57.0 | 351.0 | 500.0 | 36.00 | 21.000 | 8.16 | |
| 80 07 08 1315 | | | .3 | 1 | 36.0 | 378 | 550 | 23.0 | 22.5 | 8.27 | |
| 80 07 10 1245 | | | .3 | 1 | | | 560.0 | | | 8.21 | 8.00 |
| 80 07 11 0105 | | | .3 | 1 | | | 550.0 | | | 8.20 | 8.00 |
| 80 08 06 1030 | | | .3 | 1 | 39.0 | 333 | 550 | 25.0 | 23.0 | 8.36 | |
| 80 09 17 1130 | | | .3 | 1 | 13.0 | 323.0 | 490.0 | 17.00 | 21.000 | 8.05 | |
| 80 10 23 1305 | | | .3 | 1 | 15.0 | 404.0 | 660.0 | 7.50 | 42.000 | 8.39 | |
| 80 11 19 1118 | | | .3 | 1 | 4 | 417 | 650 | 3.4 | 33.5 | 8.48 | |
| 80 12 17 1105 | | | .3 | 1 | 5.0 | 459.0 | 700.0 | 4.70 | 31.000 | 8.02 | |
| **MAXIMUM** | | | | | **57.0** | **478.0** | **720.0** | **37.00** | **42.000** | **8.48** | **8.00** |
| **ARITH MEAN** | | | | | **20** | **371** | **566** | **15.5** | **24.4** | **8.13** | **8.00** |
| **GEOM MEAN** | | | | | **14** | **364** | **557** | **11.5** | **23.2** | **8.13** | **8.00** |
| **MINIMUM** | | | | | **4** | **241.000** | **370.0** | **3.4** | **12.500** | **7.54** | **8.00** |
| **STD DEV** | | | | | **16** | **72** | **104** | **12.0** | **8.0** | **0.28** | **0.00** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **14** | **12** | **12** | **14** | **2** |

B.O.W./ SITE: **NITH RIVER**
SAMPLE POINT: **FIRST BRIDGE DOWNSTREAM FROM AYR**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-033-02**
STORET CODE: **02**
**003**
**0150**

LAT LONG U T M: **17 0542840.0 4791450.0 4** REGION: **02** DISTANCE: **170.284**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 07 1330 | | | 3 | 1 | 29011 | 6 | 1200 | 1400 | 56 | 52 | 0.7 | 11.8 | 0.4 | 0.045 |
| 80 02 05 1005 | | | 3 | 1 | 29052 | 4 6 | 760 | 900 | 44 | 312 | 1.0 | 12.4 | 0.2 | 0.058 |
| 80 03 12 1425 | | | 3 | 1 | 29093 | 6 | 240 | 1800 | 4 | 32 | 1.5 | 16.2 | 0.6 | 0.046 |
| 80 04 16 0930 | | | 3 | 1 | 29134 | 3 6 | 6300C | 64000 | 1920 | 3000> | 1.0 | 12.0 | 2.0 | 0.710 |
| 80 05 13 1335 | | | 3 | 1 | 29175 | 6 | 1900 | 11000 | 380 | 3000 | 12.5 | 11.4 | 0.8 | 0.047 |
| 80 06 10 1345 | | | 3 | 1 | 29216 | 6 | 1700 | 21400 | 40I | 100I | 12.0 | 12.0 | 0.8 | 0.036 |
| 80 07 10 1425 | | | .3 | 1 | 80155 | 8 | | | | | 24.0 | 10.6 | | 0.059 |
| 80 07 11 0225 | | | .3 | 1 | 80154 | 8 | | | | | 22.5 | 6.2 | | 0.070 |
| 80 07 16 1340 | | | .3 | 1 | 29257 | 6 | 900I | 25000 | 80I | 100I | 21.0 | 9.1 | 0.8 | 0.019 |
| 80 08 12 1345 | | | .3 | 1 | 29298 | 6 | 1500C | 30500 | 680 | 80I | 20.0 | 11.6 | 1.4 | 0.077 |
| 80 09 04 1250 | | | .3 | 1 | 29339 | 6 | 25000 | 22000 | 180< | 80< | 22.5 | 12.0 | 0.4 | 0.035 |
| 80 10 27 1445 | | | .3 | 1 | 29380 | 6 | 3400 | 16000 | 150 | 290 | 5.0 | 14.2 | 0.6 | 0.045 |
| 80 11 20 1450 | | | .3 | 1 | 29421 | 6 | 400I | 3800 | 20I | 90I | 2.2 | 15.2 | 0.6 | 0.020 |
| 80 12 16 1246 | | | .3 | 1 | 29462 | 6 | 2040C | 8600 | 410 | 160 | 0.1 | 13.5 | 1.0 | 0.114 |
| MAXIMUM | | | | | | | 25000 | 64000 | 1920 | 3000> | 24.0 | 16.2 | 2.0 | 0.710 |
| ARITH MEAN | | | | | | | 3778 | 17200 | 330L | 6088 | 10.4 | 12.0 | 0.8 | 0.099 |
| GEOM MEAN | | | | | | | 1653 | 9046 | 111L | 1818 | 4.4 | 11.7 | 0.7 | 0.066 |
| MINIMUM | | | | | | | 240 | 900 | 4< | 32< | 0.1 | 6.2 | 0.2 | 0.019 |
| STD DEV | | | | | | | 6881 | 17875 | 541L | 11218 | 9.8 | 2.6 | 0.5 | 0.178 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 14 | 14 | 12 | 14 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 07 1330 | | | 3 | 1 | 0.027 | 0.106 | 0.550 | 0.023 | 5.280 | 5.409 | 0.444 | 5.853 | 502.0 | 3.0 |
| 80 02 05 1005 | | | 3 | 1 | 0.030 | 0.052 | 0.520 | 0.024 | 5.480 | 5.556 | 0.468 | 6.024 | 516.0 | 5.0 |
| 80 03 12 1425 | | | 3 | 1 | 0.021 | 0.044 | 0.490 | 0.031 | 4.620 | 4.695 | 0.446 | 5.141 | 499.0 | 6.0 |
| 80 04 16 0930 | | | 3 | 1 | 0.110 | 0.182 | 2.300 | 0.054 | 4.450 | 4.686 | 2.118 | 6.804 | 499.0 | 232.0 |
| 80 05 13 1335 | | | 3 | 1 | 0.001 | 0.026 | 0.640 | 0.025 | 2.580 | 2.631 | 0.614 | 3.245 | 432.0 | 5.0 |
| 80 06 10 1345 | | | 3 | 1 | 0.002 | 0.018 | 0.760 | 0.033 | 3.620 | 3.671 | 0.742 | 4.413 | 439.0 | 5.0 |
| 80 07 10 1425 | | | 3 | 1 | 0.013 | 0.044 | 0.550 | 0.024 | 2.580 | 2.648 | 0.506 | 3.154 | | |
| 80 07 11 0225 | | | 3 | 1 | 0.020 | 0.042 | 0.590 | 0.023 | 2.630 | 2.695 | 0.548 | 3.243 | | |
| 80 07 16 1340 | | | 3 | 1 | 0.005 | 0.034 | 0.570 | 0.026 | 2.470 | 2.530 | 0.536 | 3.066 | 493.0 | 10.0 |
| 80 08 12 1345 | | | 3 | 1 | 0.002 | 0.013 | 0.820 | 0.020 | 2.180 | 2.213 | 0.807 | 3.020 | 485.0 | 14.0 |
| 80 09 04 1250 | | | 3 | 1 | 0.012 | 0.026 | 0.490 | 0.016 | 2.580 | 2.622 | 0.464 | 3.086 | 431.0 | 6.0 |
| 80 10 27 1445 | | | 3 | 1 | 0.005 | 0.060 | 0.720 | 0.017 | 3.780 | 3.857 | 0.660 | 4.517 | 456.0 | 6.0 |
| 80 11 20 1450 | | | 3 | 1 | 0.005 | 0.016 | 0.44 | 0.011 | 4.19 | 4.217 | 0.424 | 4.641 | 474 | 3 |
| 80 12 16 1246 | | | .3 | 1 | 0.082 | 0.292 | 0.970 | 0.029 | 7.230 | 7.551 | 0.678 | 8.229 | 489.0 | 9.0 |
| MAXIMUM | | | | | 0.110 | 0.292 | 2.300 | 0.054 | 7.230 | 7.551 | 2.118 | 8.229 | 516.0 | 232.0 |
| ARITH MEAN | | | | | 0.024 | 0.068 | 0.74 | 0.025 | 3.83 | 3.927 | 0.675 | 4.603 | 476 | 25 |
| GEOM MEAN | | | | | 0.011 | 0.046 | 0.66 | 0.024 | 3.59 | 3.676 | 0.608 | 4.358 | 475 | 8 |
| MINIMUM | | | | | 0.001 | 0.013 | 0.44 | 0.011 | 2.180 | 2.213 | 0.424 | 3.020 | 431.0 | 3.0 |
| STD DEV | | | | | 0.032 | 0.078 | 0.47 | 0.010 | 1.47 | 1.537 | 0.432 | 1.638 | 29 | 65 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 07 1330 | | | .3 | 1 | 499.0 | 720.0 | 3.60 | 22.500 | 8.07 | |
| 80 02 05 1005 | | | 3 | 1 | 511.0 | 770.0 | 2.60 | 24.500 | 8.01 | |
| 80 03 12 1425 | | | 3 | 1 | 493.0 | 720.0 | 4.00 | 33.500 | 8.21 | |
| 80 04 16 0930 | | | .3 | 1 | 267.000 | 410.0 | 260.00 | 14.500 | 7.93 | |
| 80 05 13 1335 | | | .3 | 1 | 427.0 | 600.0 | 3.30 | 22.500 | 8.33 | |
| 80 06 10 1345 | | | .3 | 1 | 434 | 650 | 2.70 | 23.0 | 8.40 | |
| 80 07 10 1425 | | | .3 | 1 | | 650.0 | | | 8.32 | 8.25 |
| 80 07 11 0225 | | | .3 | 1 | | 650.0 | | | 8.14 | 8.05 |
| 80 07 16 1340 | | | .3 | 1 | 483 | 650 | 3.6 | 22.0 | 8.22 | |
| 80 08 12 1345 | | | .3 | 1 | 471 | 650 | 4.6 | 21.5 | 8.43 | |
| 80 09 04 1250 | | | .3 | 1 | 425.0 | 640.0 | 1.50 | 22.500 | 8.35 | |
| 80 10 27 1445 | | | .3 | 1 | 450.0 | 680.0 | 2.50 | 29.500 | 8.27 | |
| 80 11 20 1450 | | | .3 | 1 | 471 | 710 | 1.4 | 27.5 | 8.31 | |
| 80 12 16 1246 | | | .3 | 1 | 480.0 | 720.0 | 4.50 | 27.000 | 8.11 | |
| MAXIMUM | | | | | 511.0 | 770.0 | 260.00 | 33.500 | 8.43 | 8.25 |
| ARITH MEAN | | | | | 460 | 658 | 24.5 | 24.2 | 8.22 | 8.15 |
| GEOM MEAN | | | | | 445 | 652 | 4.2 | 23.7 | 8.22 | 8.15 |
| MINIMUM | | | | | 267.000 | 410.0 | 1.4 | 14.500 | 7.93 | 8.05 |
| STD DEV | | | | | 64 | 84 | 74.1 | 4.7 | 0.15 | 0.14 |
| NO OF SAMPLES | | | | | 12 | 14 | 12 | 12 | 14 | 2 |

B.O.W./ SITE: **SPEED RIVER**
SAMPLE POINT: **EDINBOROUGH STREET GUELPH**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-034-02**
STORET CODE: **02**
**003**
**0150**

LAT: LONG: U T M: **17 0559650.0 4818999.0 4** REGION: **02** DISTANCE: **172.678**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 08 0950 | | | .3 | 1 | 29013 | 6 | 45000 | 42000 | 160I | 80I | 1.0 | 13.0 | 0.6 | 0.027 |
| 80 02 13 0935 | | | .3 | 1 | 29054 | 6 | 1000I | 7000 | 140I | 240 | 0.0 | 12.9 | 0.2 | 0.020 |
| 80 03 10 0930 | | | .3 | 1 | 29095 | 6 | 500I | 3900 | 60I | 10< | 1.5 | 14.3 | 0.2 | 0.010 |
| 80 04 01 1445 | | | .3 | 1 | 29136 | 3 6 | 900I | 2500 | | 40I | 2.7 | 13.6 | 0.6 | 0.063 |
| 80 05 29 0910 | | | .3 | 1 | 29177 | 6 | 4080C | 11600 | 130 | 120 | 15.5 | 11.0 | 0.8 | 0.028 |
| 80 06 18 0920 | | | .3 | 1 | 29218 | 6 | 600C | 37500 | 70I | 100 | 16.0 | 11.2 | 0.8 | 0.026 |
| 80 07 08 1705 | | | .3 | 1 | 80101 | 7 | | | | | 24.0 | 8.8 | | 0.022 |
| 80 07 09 0305 | | | .3 | 1 | 80100 | 7 | | | | | 21.0 | 6.9 | | 0.021 |
| 80 07 21 1040 | | | .3 | 1 | 29259 | 6 | 2950C | 30000 | 300 | 30I | 23.0 | 12.0 | 0.2 | 0.018 |
| 80 08 18 0940 | | | .3 | 1 | 29300 | 6 | 3500C | 55000 | 250 | 290 | 19.5 | 8.5 | 0.8 | 0.023 |
| 80 09 24 0910 | | | 3 | 1 | 29341 | 6 | 4100C | 30000 | 700 | 750 | 14.0 | 9.8 | 1.0 | 0.030 |
| 80 10 20 0915 | | | .3 | 1 | 29382 | 6 | 15000 | 43000 | 1220 | 380 | 8.0 | 11.7 | 1.2 | 0.042 |
| 80 11 26 0912 | | | .3 | 1 | 29423 | 6 | 400I | 4600 | 40 | 24 | 0.4 | 14.4 | 0.8 | 0.020 |
| 80 12 10 0919 | | | 3 | 1 | 29464 | 6 3 | 1900 | 21000 | 140 | 220 | 0.8 | 13.4 | 1.0 | 0.058 |
| MAXIMUM | | | | | | | 45000 | 55000 | 1220 | 750 | 24.0 | 14.4 | 1.2 | 0.063 |
| ARITH MEAN | | | | | | | 6681 | 24008 | 292 | 190L | 10.5 | 11.5 | 0.7 | 0.029 |
| GEOM MEAN | | | | | | | 2317 | 15878 | 174 | 102L | 5.1 | 11.3 | 0.6 | 0.026 |
| MINIMUM | | | | | | | 400 | 2500 | 40 | 10< | 0.0 | 6.9 | 0.2 | 0.010 |
| STD DEV | | | | | | | 12714 | 18077 | 359 | 212L | 9.4 | 2.3 | 0.3 | 0.015 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 11 | 12 | 14 | 14 | 12 | 14 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 08 0950 | | | 3 | 1 | 0.005 | 0.094 | 0.750 | 0.013 | 2.000 | 2.107 | 0.656 | 2.763 | 431.0 | 4.0 |
| 80 02 13 0935 | | | 3 | 1 | 0.003 | 0.080 | 0.660 | 0.014 | 2.390 | 2.484 | 0.580 | 3.064 | 388.0 | 0.1< |
| 80 03 10 0930 | | | .3 | 1 | 0.003 | 0.062 | 0.530 | 0.015 | 2.230 | 2.307 | 0.468 | 2.775 | 401.0 | 5.0 |
| 80 04 01 1445 | | | 3 | 1 | 0.024 | 0.198 | 0.800 | 0.017 | 1.480 | 1.695 | 0.602 | 2.297 | 265.0 | 8.0 |
| 80 05 29 0910 | | | 3 | 1 | 0.009 | 0.094 | 0.690 | 0.022 | 1.380 | 1.496 | 0.596 | 2.092 | 372.0 | 3.0 |
| 80 06 18 0920 | | | 3 | 1 | 0.003 | 0.036 | 0.650 | 0.015 | 1.130 | 1.181 | 0.614 | 1.795 | 379.0 | 2.0 |
| 80 07 08 1705 | | | 3 | 1 | 0.001 | 0.020 | 0.670 | 0.011 | 0.709 | 0.740 | 0.650 | 1.390 | | |
| 80 07 09 0305 | | | 3 | 1 | 0.001 | 0.026 | 0.640 | 0.012 | 0.733 | 0.771 | 0.614 | 1.385 | | |
| 80 07 21 1040 | | | 3 | 1 | 0.001 | 0.034 | 0.610 | 0.024 | 0.781 | 0.839 | 0.576 | 1.415 | 351.0 | 2.0 |
| 80 08 18 0940 | | | 3 | 1 | 0.001 | 0.020 | 0.590 | 0.022 | 0.688 | 0.730 | 0.570 | 1.300 | 357.0 | 2.0 |
| 80 09 24 0910 | | | 3 | 1 | 0.009 | 0.060 | 0.620 | 0.025 | 0.630 | 0.715 | 0.560 | 1.275 | 242.0 | 5.0 |
| 80 10 20 0915 | | | 3 | 1 | 0.007 | 0.058 | 0.650 | 0.022 | 0.518 | 0.598 | 0.592 | 1.190 | 315.0 | 8.0 |
| 80 11 26 0912 | | | 3 | 1 | 0.002 | 0.040 | 0.55 | 0.008 | 0.770 | 0.818 | 0.510 | 1.328 | 349 | 5 |
| 80 12 10 0919 | | | 3 | 1 | 0.002 | 0.062 | 1.170 | 0.012 | 0.903 | 0.977 | 1.108 | 2.085 | 351.0 | 29.0 |
| MAXIMUM | | | | | 0.024 | 0.198 | 1.170 | 0.025 | 2.390 | 2.484 | 1.108 | 3.064 | 431.0 | 29.0 |
| ARITH MEAN | | | | | 0.005 | 0.063 | 0.68 | 0.017 | 1.187 | 1.247 | 0.621 | 1.868 | 360 | 6 L |
| GEOM MEAN | | | | | 0.003 | 0.052 | 0.67 | 0.016 | 1.032 | 1.110 | 0.609 | 1.772 | 345 | 3 L |
| MINIMUM | | | | | 0.001 | 0.020 | 0.530 | 0.008 | 0.518 | 0.598 | 0.468 | 1.190 | 242.0 | 0.1< |
| STD DEV | | | | | 0.006 | 0.048 | 0.15 | 0.005 | 0.631 | 0.653 | 0.149 | 0.648 | 54 | 7 L |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH | HGUT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | MERCURY UNF.TOT. UG/L AS HG |
| 80 01 08 0950 | | | 3 | 1 | 427.0 | 620.0 | 2.50 | 38.500 | 7.98 | | |
| 80 02 13 0935 | | | 3 | 1 | 388.0 | 605.0 | 4.00 | 35.000 | 7.97 | | 0.020< |
| 80 03 10 0930 | | | 3 | 1 | 396.0 | 610.0 | 1.70 | 41.000 | 8.11 | | |
| 80 04 01 1445 | | | 3 | 1 | 257.000 | 395.0 | 3.10 | 15.000 | 8.11 | | |
| 80 05 29 0910 | | | 3 | 1 | 369.0 | 550.0 | 1.30 | 38.500 | 8.32 | | |
| 80 06 18 0920 | | | .3 | 1 | 377.0 | 550.0 | 1.60 | 33.000 | 8.32 | | |
| 80 07 08 1705 | | | 3 | 1 | | 490.0 | | | 8.47 | 8.50 | |
| 80 07 09 0305 | | | 3 | 1 | | 500.0 | | | 8.16 | 8.25 | |
| 80 07 21 1040 | | | 3 | 1 | 349.0 | 500.0 | 1.30 | 26.500 | 8.27 | | |
| 80 08 18 0940 | | | 3 | 1 | 355 | 550 | 1.3 | 31.5 | 8.08 | | |
| 80 09 24 0910 | | | 3 | 1 | 237 | 520 | 1.9 | 30.0 | 8.26 | | |
| 80 10 20 0915 | | | 3 | 1 | 307.0 | 500.0 | 2.10 | 22.000 | 8.18 | | |
| 80 11 26 0912 | | | 3 | 1 | 344 | 580 | 2.0 | 39.0 | 8.31 | | |
| 80 12 10 0919 | | | 3 | 1 | 322.0 | 580.0 | 5.50 | 39.000 | 8.15 | | |
| MAXIMUM | | | | | 427.0 | 620.0 | 5.50 | 41.000 | 8.47 | 8.50 | 0.020 |
| ARITH MEAN | | | | | 344 | 539 | 2.3 | 32.4 | 8.19 | 8.37 | 0.020L |
| GEOM MEAN | | | | | 339 | 535 | 2.1 | 31.2 | 8.19 | 8.37 | |
| MINIMUM | | | | | 237 | 395.0 | 1.30 | 15.000 | 7.97 | 8.25 | 0.020< |
| STD DEV | | | | | 55 | 60 | 1.2 | 7.9 | 0.14 | 0.18 | |
| NO OF SAMPLES | | | | | 12 | 14 | 12 | 12 | 14 | 2 | 1 |

BOW/SITE **GRAND RIVER**
SAMPLE POINT **AT BRIDGE IN DUNNVILLE**
STATION TYPE **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID **16-0184-035-02**
STORET CODE **02**
**003**
**0150**

LAT
LONG
U T M: **17 0612060.0 4750440.0 4**
REGION: **02**
DISTANCE: **7.725**

| | | | TEST-NAME: | | SAMPLE | FWSTRC | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | PSEUDOMN AERUG. MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P |
| 80 01 01 1100 | | | .3 | 1 | 37400 | | | | | 1.0 | | | | |
| 80 01 02 1630 | | | .3 | 1 | 37401 | | | | | 1.0 | | | | |
| 80 01 06 1500 | | | .3 | 1 | 37402 | | | | | 0.0 | | | 0.131 | |
| 80 01 13 1400 | | | .3 | 1 | 37403 | | 180 | | 10< | 0.0 | | | 0.268 | 0.066 |
| 80 01 14 1430 | | | .3 | 1 | 28300 | 3 | 570 | 730 | | 2.0 | 11.4 | 2.0 | 0.200 | 0.068 |
| 80 02 06 0905 | | | .3 | 1 | 28388 | 4 | | | | 1.0 | 12.3 | | | |
| 80 02 27 1100 | | | .3 | 1 | 28347 | 4 | 40I | 160 | | 1.8 | 12.8 | 1.4 | 0.090 | 0.038 |
| 80 03 10 1005 | | | .3 | 1 | 28389 | 4 | | | | 2.0 | 13.8 | | 0.070 | |
| 80 03 13 0950 | | | .3 | 1 | 28392 | 4 | | | | 1.5 | 15.1 | | 0.068 | |
| 80 03 19 1020 | | | .3 | 1 | 28398 | 3 | | | | 2.5 | 13.1 | | 0.285 | |
| 80 03 22 1600 | | | .3 | 1 | 37404 | | | | | 0.0 | | | 1.325 | 0.170 |
| 80 03 23 1015 | | | .3 | 1 | 37405 | | 680 | | 90I | 0.0 | | | 0.970 | 0.200 |
| 1600 | | | .3 | 1 | 37406 | | 540 | | 90I | 0.0 | | | 0.825 | 0.240 |
| 80 03 24 0940 | | | .3 | 1 | 28406 | 3 | 1260 | 15000> | | 3.0 | 12.7 | 3.6 | 1.280 | 0.180 |
| 1315 | | | .3 | 1 | 37407 | | | | | 1.0 | | | 0.635 | 0.145 |
| 80 03 25 1615 | | | .3 | 1 | 37408 | | 110 | | 10< | 1.5 | | | 0.325 | 0.135 |
| 80 03 26 0830 | | | .3 | 1 | 37409 | | 60I | | 10< | 1.5 | | | 0.228 | 0.096 |
| 1830 | | | .3 | 1 | 37410 | | 50I | | 10< | 2.0 | | | 0.190 | 0.084 |
| 80 03 27 0930 | | | .3 | 1 | 37411 | | 70I | | 10< | 2.0 | | | 0.175 | 0.078 |
| 1830 | | | .3 | 1 | 37412 | | | | | 4.0 | | | 0.185 | 0.073 |
| 80 03 28 0915 | | | .3 | 1 | 37413 | | | | | 4.5 | | | 0.173 | 0.071 |
| 80 03 29 1200 | | | .3 | 1 | 37414 | | 10< | | 4< | 5.0 | | | 0.163 | 0.065 |
| 1830 | | | .3 | 1 | 37415 | | 10< | | 4< | 5.0 | | | 0.115 | 0.067 |
| 80 03 30 1030 | | | .3 | 1 | 37416 | | 10< | | 4< | 5.0 | | | 0.163 | 0.067 |
| 1830 | | | .3 | 1 | 37417 | | 40I | | 4 | 5.0 | | | 0.175 | 0.080 |
| 80 03 31 1000 | | | .3 | 1 | 37418 | | 10I | | 4< | 5.0 | | | 0.195 | 0.078 |
| 1800 | | | .3 | 1 | 37419 | | | | | 5.5 | | | 0.213 | |
| 80 04 01 1830 | | | .3 | 1 | 37420 | | | | | 5.0 | | | 0.278 | |
| 80 04 02 1125 | | | .3 | 1 | 28443 | 3 | | | | 6.0 | 11.8 | | 0.480 | |
| 1830 | | | .3 | 1 | 37421 | | | | | 5.0 | | | 0.305 | 0.055 |
| 80 04 03 1800 | | | .3 | 1 | 37422 | | | | | 6.0 | | | 0.173 | |
| 80 04 04 1030 | | | .3 | 1 | 37423 | | | | | 6.0 | | | 0.200 | |
| 80 04 05 1045 | | | .3 | 1 | 37424 | | | | | 6.0 | | | 0.258 | 0.057 |
| 80 04 06 1330 | | | .3 | 1 | 37425 | | | | | 7.0 | | | 0.220 | |
| 80 04 07 1845 | | | .3 | 1 | 37426 | | | | | 7.0 | | | 0.175 | |
| 80 04 08 1800 | | | .3 | 1 | 37427 | | | | | 7.5 | | | 0.160 | 0.054 |
| 80 04 09 1845 | | | .3 | 1 | 37428 | | | | | 7.5 | | | 0.145 | |
| 80 04 10 1005 | | | .3 | 1 | 28447 | 3 | | | | 10.0 | 10.8 | | 0.065 | |
| 1845 | | | .3 | 1 | 37429 | | | | | 7.5 | | | 0.255 | |
| 80 04 11 1645 | | | .3 | 1 | 37430 | | | | | 8.0 | | | 0.162 | 0.042 |
| 80 04 12 1830 | | | .3 | 1 | 37431 | | 10I | | 4< | 7.0 | | | 0.175 | |
| 80 04 13 1030 | | | .3 | 1 | 37432 | | 20I | | 4< | 6.0 | | | | |
| 80 04 14 1830 | | | .3 | 1 | 37433 | | 80I | | 4< | 5.5 | | | | |
| 80 04 15 1030 | | | .3 | 1 | 28454 | 3 | | | | 6.0 | 11.2 | | 0.260 | |
| 1845 | | | .3 | 1 | 37434 | | 590 | | 44 | 4.0 | | | 0.270 | |
| 80 04 16 1830 | | | .3 | 1 | 37435 | | 380 | | 16 | 4.0 | | | 0.285 | |
| 80 04 17 1745 | | | .3 | 1 | 37436 | | | | | 4.0 | | | 0.370 | 0.065 |
| 80 04 18 1830 | | | .3 | 1 | 37437 | | | | | 5.5 | | | 0.195 | |
| 80 04 19 1645 | | | .3 | 1 | 37438 | | 50I | | 4< | 8.0 | | | 0.175 | |
| 80 04 20 1130 | | | .3 | 1 | 37439 | | 20I | | 4< | 8.5 | | | 0.175 | 0.040 |
| 80 04 21 1845 | | | .3 | 1 | 37440 | | | | | 11.0 | | | 0.122 | |
| 80 04 22 1630 | | | .3 | 1 | 37441 | | 10I | | 4< | 13.0 | | | 0.102 | |
| 80 04 23 1630 | | | .3 | 1 | 37442 | | 10< | | 4< | 13.0 | | | 0.112 | 0.029 |
| 80 04 24 1245 | | | .3 | 1 | 28470 | 3 | 20< | 20< | | 14.0 | | 0.8 | 0.145 | 0.025 |
| 1630 | | | .3 | 1 | 37443 | | | | | 13.0 | | | 0.145 | |
| 80 04 25 1630 | | | .3 | 1 | 37444 | | | | | 12.0 | | | 0.180 | |
| 80 04 26 0930 | | | .3 | 1 | 37445 | | 4 | | 4< | 11.5 | | | 0.170 | 0.020 |
| 80 04 27 1030 | | | .3 | 1 | 37446 | | 4< | | 4< | 12.0 | | | 0.170 | |
| 80 04 28 1930 | | | .3 | 1 | 37447 | | 4< | | 4< | 11.0 | | | 0.145 | |
| 80 04 29 1930 | | | .3 | 1 | 37448 | | 4< | | 4< | 11.0 | | | 0.145 | 0.006 |
| 80 04 30 1630 | | | .3 | 1 | 37449 | | 16 | | 4< | 10.5 | | | 0.094 | |
| 80 05 01 1900 | | | .3 | 1 | 37450 | | | | | 11.5 | | | 0.060 | 0.009 |
| 80 05 02 1800 | | | .3 | 1 | 37451 | | | | | 12.0 | | | 0.102 | |
| 80 05 03 1700 | | | .3 | 1 | 37452 | | 8 | | 4< | 14.0 | | | 0.102 | |
| 80 05 04 1830 | | | .3 | 1 | 37453 | | 4< | | 4< | 15.5 | | | 0.100 | 0.007 |
| 80 05 05 1645 | | | .3 | 1 | 37454 | | 4< | | 4< | 15.5 | | | 0.140 | |
| 80 05 06 1115 | | | .3 | 1 | 28502 | 3 | | | | 16.5 | 12.4 | | 0.155 | |
| 1630 | | | .3 | 1 | 37455 | | 4< | | 4< | 17.0 | | | 0.150 | |
| 80 05 07 1630 | | | .3 | 1 | 37456 | | 4< | | 4< | 16.0 | | | 0.220 | 0.009 |
| 80 05 08 1900 | | | .3 | 1 | 37457 | | | | | 13.5 | | | 0.190 | |
| 80 05 09 1630 | | | .3 | 1 | 37458 | | | | | 13.0 | | | 0.172 | |
| 80 05 10 1600 | | | .3 | 1 | 37459 | | 4< | | 4< | 15.0 | | | 0.125 | 0.003 |
| 80 05 11 1030 | | | .3 | 1 | 37460 | | 4< | | 4< | 14.0 | | | 0.138 | |
| 80 05 14 2030 | | | .3 | 1 | 37461 | | | | | 14.0 | | | 0.168 | 0.004 |
| 80 05 20 0945 | | | .3 | 1 | 37462 | | 4 | | 4< | 15.0 | | | 0.088 | |
| 80 05 21 1430 | | | .3 | 1 | 28540 | 6 | 10< | 10I | | 18.0 | 12.8 | 2.2 | 0.075 | 0.003 |
| 1900 | | | .3 | 1 | 37463 | | 4 | | 4< | 17.5 | | | 0.071 | |
| 80 05 22 1100 | | | .3 | 1 | 37464 | | 4< | | 4< | 18.0 | | | 0.104 | 0.001 |
| 80 05 26 1045 | | | .3 | 1 | 37465 | | 4< | | 4< | 20.0 | | | 0.170 | |
| 80 06 03 1800 | | | .3 | 1 | 37466 | | 4 | | 4< | 20.0 | | | 0.126 | |
| 80 06 09 1020 | | | .3 | 1 | 28561 | 6 | 10< | 10< | | 17.0 | 8.6 | 1.8 | 0.132 | 0.012 |
| 2000 | | | .3 | 1 | 37467 | | 16 | | | 17.0 | | | 0.148 | 0.004 |
| 80 06 15 1100 | | | .3 | 1 | 37468 | | 4< | | 4< | 18.0 | | | 0.083 | |
| 80 06 23 1930 | | | .3 | 1 | 37469 | | 4 | | 4< | 24.0 | | | 0.049 | |
| 80 06 30 1900 | | | .3 | 1 | 37470 | | 92 | | 16 | 23.0 | | | 0.170 | 0.003 |
| 80 07 06 1100 | | | .3 | 1 | 37471 | | 40 | | 4< | 22.0 | | | | |
| 1350 | | | .3 | 1 | 80030 | 6 | | | | 25.0 | 10.3 | | 0.127 | 0.005 |
| 80 07 07 0120 | | | .3 | 1 | 80031 | 6 | | | | 23.5 | 9.7 | | 0.115 | 0.004 |
| 80 07 14 2015 | | | .3 | 1 | 37472 | | 28 | | 4 | 21.0 | | | 0.100 | |
| 80 07 21 2030 | | | .3 | 1 | 37473 | | 60I | | 4 | 27.0 | | | 0.118 | 0.004 |
| 80 07 28 1550 | | | .3 | 1 | 28600 | 6 | 390 | 60I | | 25.5 | 7.9 | 2.6 | 0.158 | 0.003 |
| 80 07 29 1100 | | | .3 | 1 | 37474 | | 120I | | 640 | 25.5 | | | 0.135 | |
| 80 08 05 1115 | | | .3 | 1 | 37475 | | | | | 24.0 | | | 0.178 | |
| 80 08 11 1145 | | | .3 | 1 | 37476 | | 80I | | 13300 | 24.0 | | | 0.198 | 0.007 |
| 80 08 18 1115 | | | .3 | 1 | 37477 | | 60I | | 5800 | 22.0 | | | 0.200 | |
| 80 08 25 1100 | | | .3 | 1 | 37478 | | 12 | | 5000 | 25.0 | | | 0.110 | |
| 80 08 26 1825 | | | .3 | 1 | 28637 | 6 | 110 | 40I | | 26.0 | 8.7 | 3.0 | 0.143 | 0.002 |
| 80 09 03 1915 | | | .3 | 1 | 37479 | | 250 | | 2700 | 25.0 | | | 0.082 | 0.003 |
| 80 09 07 1100 | | | .3 | 1 | 37480 | | 100 | | 3900 | 22.0 | | | 0.140 | |
| 80 09 14 1100 | | | .3 | 1 | 37481 | | 50I | | 1800 | 20.0 | | | 0.112 | |
| 80 09 23 0940 | | | .3 | 1 | 28684 | 3 | 20I | 60I | | 18.8 | 9.5 | 1.4 | 0.112 | 0.004 |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FCMF | FSMF | PSAMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1830 | | | .3 | 1 | 37482 | | | | | 20.0 | | | 0.105 | 0.012 |
| 80 09 28 1100 | | | .3 | 1 | 37483 | | 120 | | 220 | 15.0 | | | 0.095 | |
| 80 10 05 1115 | | | .3 | 1 | 37484 | | 170 | | 540 | 15.0 | | | 0.098 | |
| 80 10 07 1005 | | | .3 | 1 | 28724 | 6 | | | | 10.5 | 9.7 | | | |
| 80 10 19 1100 | | | .3 | 1 | 37485 | | 20I | | 110 | 11.0 | | | 0.120 | 0.046 |
| 80 10 29 1050 | | | .3 | 1 | 28767 | 6 | 80 | 100 | | 3.0 | 12.2 | 2.0 | 0.067 | 0.017 |
| 80 11 03 1500 | | | .3 | 1 | 37486 | | 10< | | 10< | 5.0 | | | 0.060 | |
| 80 11 17 1020 | | | .3 | 1 | 28770 | 6 | | | | 6.0 | 12.3 | | 0.032 | |
| 80 11 19 1615 | | | .3 | 1 | 37487 | | 4< | | 4< | 2.0 | | | 0.023 | |
| 80 11 23 1100 | | | .3 | 1 | 37488 | | 4< | | 44 | 3.0 | | | 0.024 | 0.002 |
| 80 11 26 0925 | | | .3 | 1 | 28773 | 6 | 4< | 8 | | 4.0 | 9.4 | 0.8 | 0.021 | |
| 80 11 30 1100 | | | .3 | 1 | 37489 | | 4< | | 8 | 1.0 | | | 0.022 | |
| 80 12 02 1320 | | | .3 | 1 | 28816 | 6 | | | | 4.5 | 11.2 | | 0.027 | |
| 80 12 07 1045 | | | .3 | 1 | 37490 | | 48 | | 56 | 0.0 | | | 0.043 | |
| 80 12 17 0930 | | | .3 | 1 | 28819 | 6 | 60I | 20I | | 1.0 | 13.0 | 1.5 | 0.068 | 0.039 |
| MAXIMUM | | | | | | | 1260 | 15000> | 13300 | 27.0 | 16.1 | 3.6 | 1.325 | 0.240 |
| ARITH MEAN | | | | | | | 96L | 13618 | 566L | 10.6 | 11.4 | 1.9 | 0.169 | 0.060 |
| GEOM MEAN | | | | | | | 24L | 678 | 16L | 7.1 | 11.2 | 1.8 | 0.142 | 0.022 |
| MINIMUM | | | | | | | 4< | 8< | 4< | 0.0 | 7.9 | 0.8 | 0.021 | 0.001 |
| STD DEV | | | | | | | 202L | 43038 | 2042L | 7.8 | 1.8 | 0.8 | 0.203 | 0.068 |
| NO OF SAMPLES | | | | | | | 72 | 12 | 59 | 116 | 24 | 12 | 109 | 62 |

| TEST-NAME: | | | | | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C |
| 80 01 01 1100 | | | .3 | 1 | | | | | | | | 17.0 | | |
| 80 01 02 1630 | | | .3 | 1 | | | | | | | | 15.0 | | |
| 80 01 06 1500 | | | .3 | 1 | | | | | | | | 25.0 | | 580.0 |
| 80 01 13 1400 | | | .3 | 1 | | | | 3.690 | | | | 170.0 | | 630.0 |
| 80 01 14 1430 | | | .3 | 1 | 0.350 | 1.430 | 0.065 | 3.380 | 3.795 | 1.080 | 4.875 | 42.00 | 466.00 | 660.0 |
| 80 02 27 1100 | | | .3 | 1 | 0.490 | 1.330 | 0.049 | 2.460 | 2.999 | 0.840 | 3.839 | 7.00 | 548.00 | 760.0 |
| 80 03 10 1005 | | | .3 | 1 | | | | | | | | 3.00 | | 930.0 |
| 80 03 13 0950 | | | .3 | 1 | | | | | | | | 3.00 | | 860.0 |
| 80 03 19 1020 | | | .3 | 1 | | | | | | | | 132.00 | | 700.0 |
| 80 03 22 1600 | | | .3 | 1 | | | | 1.890 | | | | 912.0 | | 285.0 |
| 80 03 23 1015 | | | .3 | 1 | | | | 1.840 | | | | 498.0 | | 255.0 |
| 1600 | | | .3 | 1 | | | | 1.840 | | | | 404.0 | | 250.0 |
| 80 03 24 0940 | | | .3 | 1 | 0.590 | 2.700 | 0.007 | 2.040 | 2.637 | 2.110 | 4.747 | 285.00 | | 265.0 |
| 1315 | | | .3 | 1 | | | | 2.040 | | | | 244.0 | | 260.0 |
| 80 03 25 1615 | | | .3 | 1 | | | | 2.050 | | | | 118.0 | | 310.0 |
| 80 03 26 0830 | | | .3 | 1 | | | | 2.160 | | | | 74.0 | | 345.0 |
| 1830 | | | .3 | 1 | | | | 2.260 | | | | 74.0 | | 370.0 |
| 80 03 27 0930 | | | .3 | 1 | | | | 2.260 | | | | 56.0 | | 390.0 |
| 1830 | | | .3 | 1 | | | | 2.360 | | | | 13.0 | | 400.0 |
| 80 03 28 0915 | | | .3 | 1 | | | | 2.460 | | | | 34.0 | | 440 |
| 80 03 29 1200 | | | .3 | 1 | | | | 2.660 | | | | 32.0 | | 475.0 |
| 1830 | | | .3 | 1 | | | | 2.760 | | | | 29.0 | | 490.0 |
| 80 03 30 1030 | | | .3 | 1 | | | | 2.860 | | | | 26.0 | | 480.0 |
| 1830 | | | .3 | 1 | | | | 2.910 | | | | 41.0 | | 475.0 |
| 80 03 31 1000 | | | .3 | 1 | | | | 2.900 | | | | 48.0 | | 465.0 |
| 1800 | | | .3 | 1 | | | | | | | | 53.0 | | 465.0 |
| 80 04 01 1830 | | | .3 | 1 | | | | | | | | 162.0 | | 450.0 |
| 80 04 02 1125 | | | .3 | 1 | | | | | | | | 189.00 | | 450.0 |
| 1830 | | | .3 | 1 | | | | 3.010 | | | | 137.0 | | 455.0 |
| 80 04 03 1800 | | | .3 | 1 | | | | | | | | 53.0 | | 490.0 |
| 80 04 04 1030 | | | .3 | 1 | | | | | | | | 65.0 | | 485.0 |
| 80 04 05 1045 | | | .3 | 1 | | | | 2.670 | | | | 134.0 | | 465.0 |
| 80 04 06 1330 | | | .3 | 1 | | | | | | | | 98.0 | | 450.0 |
| 80 04 07 1845 | | | .3 | 1 | | | | | | | | 24.0 | | 465.0 |
| 80 04 08 1800 | | | .3 | 1 | | | | 3.000 | | | | 50.0 | | 455.0 |
| 80 04 09 1845 | | | .3 | 1 | | | | | | | | 42.0 | | 465.0 |
| 80 04 10 1005 | | | .3 | 1 | | | | | | | | 21.00 | | 320.0 |
| 1845 | | | .3 | 1 | | | | | | | | 126.0 | | 470.0 |
| 80 04 11 1645 | | | .3 | 1 | | | | 2.750 | | | | 59.0 | | 500.0 |
| 80 04 12 1830 | | | .3 | 1 | | | | | | | | 47.0 | | 490.0 |
| 80 04 13 1030 | | | .3 | 1 | | | | | | | | 37.0 | | |
| 80 04 14 1830 | | | .3 | 1 | | | | | | | | 40.0 | | |
| 80 04 15 1030 | | | .3 | 1 | | | | | | | | 127.00 | | 465.0 |
| 1845 | | | .3 | 1 | | | | | | | | 458.0 | | |
| 80 04 16 1830 | | | .3 | 1 | | | | | | | | 204.0 | | |
| 80 04 17 1745 | | | .3 | 1 | | | | 3.360 | | | | 227.0 | | |
| 80 04 18 1830 | | | .3 | 1 | | | | | | | | 77.0 | | |
| 80 04 19 1645 | | | .3 | 1 | | | | | | | | 49.0 | | |
| 80 04 20 1130 | | | .3 | 1 | | | | 3.010 | | | | 53.0 | | |
| 80 04 21 1845 | | | .3 | 1 | | | | | | | | 48.0 | | 550.0 |
| 80 04 22 1630 | | | .3 | 1 | | | | | | | | 41.0 | | 550.0 |
| 80 04 23 1630 | | | .3 | 1 | | | | 2.940 | | | | 53.0 | | 600.0 |
| 80 04 24 1245 | | | .3 | 1 | 0.110 | 0.800 | 0.060 | 2.890 | 3.060 | 0.690 | 3.750 | 67.00 | 417.00 | 600.0 |
| 1630 | | | .3 | 1 | | | | | | | | 61.0 | | 600.0 |
| 80 04 25 1630 | | | .3 | 1 | | | | | | | | 72.0 | | 650.0 |
| 80 04 26 0930 | | | .3 | 1 | | | | 2.600 | | | | 72.0 | | 650.0 |
| 80 04 27 1030 | | | .3 | 1 | | | | | | | | 80.0 | | 650.0 |
| 80 04 28 1930 | | | .3 | 1 | | | | | | | | 59.0 | | |
| 80 04 29 1930 | | | .3 | 1 | | | | 2.490 | | | | 40.0 | | |
| 80 04 30 1630 | | | .3 | 1 | | | | | | | | 29.0 | | |
| 80 05 01 1900 | | | .3 | 1 | | | | 2.200 | | | | 35.0 | | |
| 80 05 02 1800 | | | .3 | 1 | | | | | | | | 39.0 | | |
| 80 05 04 1830 | | | .3 | 1 | | | | 2.030 | | | | | | |
| 80 05 06 1115 | | | .3 | 1 | | | | | | | | 82.00 | | 600 |
| 80 05 07 1630 | | | .3 | 1 | | | | 1.970 | | | | | | |
| 80 05 08 1900 | | | .3 | 1 | | | | | | | | 80.0 | | 650.0 |
| 80 05 09 1630 | | | .3 | 1 | | | | | | | | 83.0 | | 600.0 |
| 80 05 10 1600 | | | .3 | 1 | | | | 1.830 | | | | 50.0 | | 650.0 |
| 80 05 11 1030 | | | .3 | 1 | | | | | | | | 72.0 | | 650.0 |
| 80 05 14 2030 | | | .3 | 1 | | | | 1.810 | | | | 65.0 | | 700.0 |
| 80 05 20 0945 | | | .3 | 1 | | | | | | | | 35.0 | | |
| 80 05 21 1430 | | | .3 | 1 | 0.048 | 1.090 | 0.031 | 1.620 | 1.699 | 1.042 | 2.741 | 27.00 | 489.00 | |
| 1900 | | | .3 | 1 | | | | | | | | 24.0 | | 650.0 |
| 80 05 22 1100 | | | .3 | 1 | | | | 1.420 | | | | 43.0 | | 600.0 |
| 80 05 26 1045 | | | .3 | 1 | | | | | | | | 64.0 | | 600.0 |
| 80 06 03 1800 | | | .3 | 1 | | | | | | | | 51.0 | | |
| 80 06 09 1020 | | | .3 | 1 | 0.110 | 1.150 | 0.046 | 1.600 | 1.756 | 1.040 | 2.796 | 65.00 | 477.00 | 700.0 |
| 2000 | | | .3 | 1 | 0.136 | | | 1.710 | | | | 65.0 | | 700.0 |
| 80 06 15 1100 | | | .3 | 1 | | | | | | | | 35.0 | | |
| 80 06 23 1930 | | | .3 | 1 | | | | | | | | 33.0 | | |
| 80 06 30 1900 | | | .3 | 1 | | | | 0.836 | | | | 63 | | 700 |
| 80 07 06 1100 | | | .3 | 1 | | | | | | | | 50.0 | | |
| 1350 | | | .3 | 1 | 0.084 | 1.130 | 0.022 | 0.803 | 0.909 | 1.046 | 1.955 | | | 700.0 |
| 80 07 07 0120 | | | .3 | 1 | 0.087 | 1.050 | 0.021 | 0.864 | 0.972 | 0.963 | 1.935 | | | 700.0 |
| 80 07 14 2015 | | | .3 | 1 | | | | | | | | 30.0 | | |
| 80 07 21 2030 | | | .3 | 1 | | | | 0.348 | | | | 34.0 | | 750.0 |

(CONTD)

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **GRAND RIVER**
SAMPLE POINT: **AT BRIDGE IN DUNNVILLE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-035-02**
STORET CODE: **02**
**003**
**0150**

REGION: **02**
DISTANCE: **7.725**

LAT
LONG
U.T.M.: **17 0612660.0 4750440.0 4**

| SAMP DTE HOUR<br>YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NNHTFR<br>NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR<br>K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR<br>NO2-N FIL.REAC MG/L AS N | NNO3FR<br>NO3-N FIL.REAC MG/L AS N | NNTIFR<br>ORG N TOTAL FIL.REAC MG/L | NNKUR<br>KJELDAHL ORGANIC UNF.REAC MG/L | NNKI<br>TOTAL N MG/L AS N | RSP<br>RESIDUE PARTIC. MG/L | RSF<br>RESIDUE FILTERED MG/L | COND25<br>CONDUCT. 25C UMHO/CM AT 25 C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 07 28 1550 | | | .3 | 1 | 0.086 | 0.920 | 0.029 | 0.737 | 0.852 | 0.834 | 1.686 | 49.00 | 552.00 | 700.0 |
| 80 07 29 1100 | | | .3 | 1 | | | | | | | | 60.0 | | 750.0 |
| 80 08 05 1115 | | | .3 | 1 | | | | | | | | 64.0 | | 600.0 |
| 80 08 11 1145 | | | .3 | 1 | | | | 0.824 | | | | 68.0 | | 600.0 |
| 80 08 18 1115 | | | .3 | 1 | | | | | | | | 73.0 | | 650.0 |
| 80 08 25 1100 | | | .3 | 1 | | | | | | | | 29.0 | | 650.0 |
| 80 08 26 1825 | | | .3 | 1 | 0.066 | 1.53 | 0.021 | 0.269 | 0.356 | 1.464 | 1.820 | 41 | 489 | 650 |
| 80 09 03 1915 | | | .3 | 1 | | | | 0.733 | | | | 27.0 | | 710.0 |
| 80 09 07 1100 | | | .3 | 1 | | | | | | | | 66.0 | | 660.0 |
| 80 09 14 1100 | | | .3 | 1 | | | | | | | | 37.0 | | 700.0 |
| 80 09 23 0940 | | | .3 | 1 | 0.088 | 1.18 | 0.018 | 1.28 | 1.386 | 1.092 | 2.478 | 46 | 444 | 690 |
| 1830 | | | .3 | 1 | | | | 1.060 | | | | 50.0 | | 680.0 |
| 80 09 28 1100 | | | .3 | 1 | | | | | | | | 41.0 | | 700.0 |
| 80 10 05 1115 | | | .3 | 1 | | | | | | | | 41.0 | | 700.0 |
| 80 10 07 1005 | | | .3 | 1 | | | | | | | | 36.00 | | 680.0 |
| 80 10 19 1100 | | | .3 | 1 | | | | 1.770 | | | | 42.0 | | 750.0 |
| 80 10 29 1050 | | | .3 | 1 | 0.044 | 0.82 | 0.035 | 0.220 | 0.299 | 0.776 | 1.075 | 19 | 437 | 730 |
| 80 11 03 1500 | | | .3 | 1 | | | | | | | | 28.0 | | 700.0 |
| 80 11 17 1020 | | | .3 | 1 | | | | | | | | 11.00 | | 730.0 |
| 80 11 19 1615 | | | .3 | 1 | | | | | | | | 4.0 | | 740.0 |
| 80 11 23 1100 | | | .3 | 1 | | | | 2.490 | | | | 5.0 | | 750.0 |
| 80 11 26 0925 | | | .3 | 1 | | 0.680 | | | | | | 5.00 | 484.00 | |
| 80 11 30 1100 | | | .3 | 1 | | | | | | | | 4.0 | | 780.0 |
| 80 12 02 1320 | | | .3 | 1 | 0.056 | | | | | | | 6.00 | | 770.0 |
| 80 12 07 1045 | | | .3 | 1 | | | | | | | | 12.0 | | 750.0 |
| 80 12 17 0930 | | | .3 | 1 | 0.266 | 1.180 | 0.031 | 5.720 | 6.017 | 0.914 | 6.931 | 8.00 | 483.00 | |
| | | | MAXIMUM | | **0.880** | **2.700** | **0.086** | **5.720** | **6.017** | **2.110** | **6.931** | **912.0** | **662.00** | **930.0** |
| | | | ARITH MEAN | | **0.174** | **1.21** | **0.033** | **2.10** | **2.057** | **1.069** | **3.126** | **78** | **480** | **681** |
| | | | GEOM MEAN | | **0.122** | **1.14** | **0.029** | **1.80** | **1.493** | **1.024** | **2.763** | **46** | **478** | **669** |
| | | | MINIMUM | | **0.044** | **0.680** | **0.007** | **0.220** | **0.299** | **0.690** | **1.075** | **3.00** | **417.00** | **250.0** |
| | | | STD DEV | | **0.171** | **0.48** | **0.017** | **0.99** | **1.621** | **0.387** | **1.646** | **115** | **41** | **149** |
| | | | NO OF SAMPLES | | **16** | **14** | **13** | **62** | **13** | **13** | **13** | **108** | **11** | **86** |

| SAMP DTE HOUR<br>YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ALKT<br>ALK TOTAL MG/L AS CACO3 | PH<br>PH | FWPH<br>PH FIELD | ASUT<br>ARSENIC UNF.TOT. MG/L AS AS | HGUT<br>MERCURY UNF.TOT. UG/L AS HG | CRUT<br>CHROMIUM UNF.TOT. MG/L AS CR | CUUT<br>COPPER UNF.TOT. MG/L AS CU | PBUT<br>LEAD UNF.TOT. MG/L AS PB | CDUT<br>CADMIUM UNF.TOT. MG/L AS CD | ZNUT<br>ZINC UNF.TOT. MG/L AS ZN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 01 1100 | | | .3 | 1 | | | | | 0.040 | | 0.010 | 0.030< | 0.005 < | |
| 80 01 02 1630 | | | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.005 < | |
| 80 01 06 1500 | | | .3 | 1 | | | | | | | | 0.030< | 0.010 | |
| 80 01 13 1400 | | | .3 | 1 | | | | | 0.020< | | 0.010 | 0.030< | 0.010 | |
| 80 01 14 1430 | | | .3 | 1 | 166 | 7.99 | | 0.020 | 0.020 | 0.020< | 0.020 | 0.030< | 0.010 | 0.030 |
| 80 02 06 0905 | | | .3 | 1 | | | | | 0.020< | 0.020 | | 0.060 | | 0.030 |
| 80 02 27 1100 | | | .3 | 1 | 194.0 | 8.01 | | 0.001 | 0.020< | 0.020< | 0.010 | 0.030< | 0.005 < | 0.040 |
| 80 03 10 1005 | | | .3 | 1 | 226.0 | | | | 0.020< | 0.020< | | 0.030< | | 0.030 |
| 80 03 13 0950 | | | .3 | 1 | 209.0 | | | | 0.020< | 0.030 | | 0.030< | | 0.090 |
| 80 03 19 1020 | | | .3 | 1 | 152.0 | | | | 0.020 | 0.020< | | 0.030< | | 0.030 |
| 80 03 22 1600 | | | .3 | 1 | | | | | | | 0.040 | 0.030< | 0.005 < | |
| 80 03 23 1015 | | | .3 | 1 | | | | | 0.050 | | 0.030 | 0.030< | 0.005 < | |
| 1600 | | | .3 | 1 | | | | | 0.040 | | 0.020 | 0.030< | 0.005 < | |
| 80 03 24 0940 | | | .3 | 1 | 90.0 | 7.73 | | 0.001< | 0.030 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.060 |
| 1315 | | | .3 | 1 | | | | | | | 0.020 | 0.030< | 0.005 < | |
| 80 03 25 1615 | | | .3 | 1 | | | | | 0.030 | | 0.010< | 0.030< | 0.005 < | |
| 80 03 26 0830 | | | .3 | 1 | | | | | 0.030 | | 0.010< | 0.030< | 0.005 < | |
| 1830 | | | .3 | 1 | | | | | 0.020 | | 0.010< | 0.030< | 0.005 < | |
| 80 03 27 0930 | | | .3 | 1 | | | | | 0.040 | | 0.010< | 0.030< | 0.005 < | |
| 1830 | | | .3 | 1 | | | | | 0.020 | | 0.010< | 0.030< | 0.005 < | |
| 80 03 28 0915 | | | .3 | 1 | | | | | 0.020< | | 0.010< | 0.030< | 0.005 < | |
| 80 03 29 1200 | | | .3 | 1 | | | | | 0.020< | | 0.010< | 0.030< | 0.005 < | |
| 1830 | | | .3 | 1 | | | | | | | 0.010< | 0.030< | 0.005 < | |
| 80 03 30 1030 | | | .3 | 1 | | | | | 0.020< | | 0.010< | 0.030< | 0.005 < | |
| 1830 | | | .3 | 1 | | | | | 0.020< | | 0.010< | 0.030< | 0.005 < | |
| 80 03 31 1000 | | | .3 | 1 | | | | | 0.020< | | | | | |
| 1800 | | | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.005 < | |
| 80 04 01 1830 | | | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.005 < | |
| 80 04 02 1125 | | | .3 | 1 | 141.0 | | | | 0.020< | 0.020< | | 0.030< | | 0.030 |
| 1830 | | | .3 | 1 | | | | | 0.030 | | 0.010< | 0.030< | 0.005 < | |
| 80 04 03 1800 | | | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.005 < | |
| 80 04 04 1030 | | | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.005 < | |
| 80 04 05 1045 | | | .3 | 1 | | | | | 0.020< | | 0.010< | 0.030< | 0.005 < | |
| 80 04 06 1330 | | | .3 | 1 | | | | | 0.020 | | | 0.030< | 0.005 < | |
| 80 04 07 1845 | | | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.005 < | |
| 80 04 08 1800 | | | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.005 < | |
| 80 04 09 1845 | | | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.005 < | |
| 80 04 10 1005 | | | .3 | 1 | 97.0 | | | | 0.020< | 0.030 | | 0.030< | | 0.030 |
| 1845 | | | .3 | 1 | | | | | 0.020 | | | 0.030< | 0.005 < | |
| 80 04 11 1645 | | | .3 | 1 | | | | | 0.030 | | | 0.030< | 0.005 < | |
| 80 04 12 1830 | | | .3 | 1 | | | | | 0.020 | | | 0.030< | 0.005 < | |
| 80 04 13 1030 | | | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.005 < | |
| 80 04 14 1830 | | | .3 | 1 | | | | | 0.040 | | 0.010< | 0.030< | 0.005 < | |
| 80 04 15 1030 | | | .3 | 1 | 154.0 | | | | 0.020< | 0.030 | | 0.030< | | 0.030 |
| 1845 | | | .3 | 1 | | | | | 0.040 | | | 0.030< | 0.005 < | |
| 80 04 16 1830 | | | .3 | 1 | | | | | 0.040 | | | 0.030< | 0.005 < | |
| 80 04 17 1745 | | | .3 | 1 | | | | | 0.020 | | 0.020 | 0.030< | 0.005 < | |
| 80 04 18 1830 | | | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.005 < | |
| 80 04 19 1645 | | | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.005 < | |
| 80 04 20 1130 | | | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.005 < | |
| 80 04 21 1845 | | | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.005 < | |
| 80 04 22 1630 | | | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.005 < | |
| 80 04 23 1630 | | | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.005 < | |
| 80 04 24 1245 | | | .3 | 1 | 191.0 | 8.01 | | 0.001< | 0.020< | 0.020< | 0.010< | 0.030< | 0.005 < | 0.020 |
| 1630 | | | .3 | 1 | | | | | 0.030 | | | 0.030< | 0.005 < | |
| 80 04 25 1630 | | | .3 | 1 | | | | | 0.020 | | | 0.030< | 0.005 < | |
| 80 04 26 0930 | | | .3 | 1 | | | | | 0.020 | | 0.010< | 0.030< | 0.005 < | |
| 80 04 27 1030 | | | .3 | 1 | | | | | 0.020 | | | 0.030< | 0.005 < | |
| 80 04 28 1930 | | | .3 | 1 | | | | | 0.030< | | | 0.030< | 0.005 < | |
| 80 04 29 1930 | | | .3 | 1 | | | | | 0.040 | | 0.010< | 0.030< | 0.005 < | |
| 80 04 30 1630 | | | .3 | 1 | | | | | 0.030 | | | 0.030< | 0.005 < | |

| TEST-NAME: | | | | ALKT | PH | FWPH | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 05 01 | 1900 | .3 | 1 | | | | | 0.080 | | 0.010< | 0.030< | 0.005 < | |
| 80 05 02 | 1800 | .3 | 1 | | | | | [illegible] | | | 0.030< | 0.005 < | |
| 80 05 03 | 1700 | .3 | 1 | | | | | 0.130 | | | 0.030< | 0.005 < | |
| 80 05 04 | 1830 | .3 | 1 | | | | | 0.030< | | | | | |
| 80 05 05 | 1645 | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.005 < | |
| 80 05 06 | 1115 | .3 | 1 | 196.0 | | | | 0.030< | 0.020< | | 0.030< | | 0.020 |
| | 1630 | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.007 | |
| 80 05 07 | 1630 | .3 | 1 | | | | | 0.020< | | | 0.030< | 0.005 < | |
| 80 05 08 | 1900 | .3 | 1 | | | | | 0.040 | | | 0.030< | 0.005 < | |
| 80 05 09 | 1630 | .3 | 1 | | | | | 0.030< | | | 0.030< | 0.005 < | |
| 80 05 10 | 1600 | .3 | 1 | | | | | 0.030< | | 0.010< | 0.030< | 0.005 < | |
| 80 05 11 | 1030 | .3 | 1 | | | | | 0.030< | | | 0.030< | 0.005 < | |
| 80 05 14 | 2030 | .3 | 1 | | | | | 0.030 | | 0.010< | 0.030< | 0.005 < | |
| 80 05 20 | 0945 | .3 | 1 | | | | | 0.060 | | | 0.030< | 0.005 < | |
| 80 05 21 | 1430 | .3 | 1 | 194.0 | 8.48 | | 0.001< | 0.070 | 0.020< | 0.060 | 0.030< | 0.005 < | 0.010< |
| | 1900 | .3 | 1 | | | | | 0.030< | | | 0.030< | 0.005 < | |
| 80 05 22 | 1100 | .3 | 1 | | | | | 0.030< | | | 0.030< | 0.005 < | |
| 80 05 26 | 1045 | .3 | 1 | | | | | 0.020 | | | 0.030< | 0.005 < | |
| 80 06 03 | 1800 | .3 | 1 | | | | | 0.050< | | | 0.030< | 0.005 < | |
| 80 06 09 | 1020 | .3 | 1 | 202.0 | 8.33 | | 0.001< | 0.060 | 0.020< | 0.010 | 0.030< | 0.005 < | 0.030 |
| | 2000 | .3 | 1 | | | | | 0.060 | | 0.010< | 0.030< | 0.005 < | |
| 80 06 15 | 1100 | .3 | 1 | | | | | | | | 0.030< | 0.005 < | |
| 80 06 23 | 1930 | .3 | 1 | | | | | 0.030< | | | 0.030< | 0.005 < | |
| 80 06 30 | 1900 | .3 | 1 | | | | | 0.030 | | 0.010 | 0.030< | 0.005 < | |
| 80 07 06 | 1100 | .3 | 1 | | | | | 0.030< | | | 0.030< | 0.005 < | |
| | 1350 | .3 | 1 | | 8.40 | | | | | | | | |
| 80 07 07 | 0120 | .3 | 1 | | 8.24 | | | | | | | | |
| 80 07 14 | 2015 | .3 | 1 | | | | | 0.030< | | | 0.030< | 0.005 < | |
| 80 07 21 | 2030 | .3 | 1 | | | | | 0.040 | | 0.010 | 0.030< | 0.005 < | |
| 80 07 28 | 1550 | .3 | 1 | 160.0 | 8.18 | 7.9 | 0.001 | | 0.020< | 0.010 | 0.030< | 0.005 < | 0.020 |
| 80 07 29 | 1100 | .3 | 1 | | | | | | | | 0.030< | 0.005 < | |
| 80 08 05 | 1115 | .3 | 1 | | | | | 0.040< | | | 0.030< | 0.005 < | |
| 80 08 11 | 1145 | .3 | 1 | | | | | 0.620 | | | 0.001 | | |
| 80 08 18 | 1115 | .3 | 1 | | | | | 0.040< | | | 0.003< | 0.0030 | |
| 80 08 25 | 1100 | .3 | 1 | | | | | 0.040< | | | 0.005< | | |
| 80 08 26 | 1825 | .3 | 1 | 147 | 8.10 | 8.1 | 0.002< | 0.03 | 0.002 | 0.004 | 0.005< | 0.0002< | 0.010 |
| 80 09 03 | 1915 | .3 | 1 | | | | | | | 0.006 | 0.003< | | |
| 80 09 07 | 1100 | .3 | 1 | | | | | 0.040< | | | 0.003< | | |
| 80 09 14 | 1100 | .3 | 1 | | | | | 0.040< | | | 0.003< | | |
| 80 09 23 | 0940 | .3 | 1 | 185 | 8.29 | | 0.001< | 0.03 < | 0.002< | 0.004 | 0.003< | 0.0003 | 0.015 |
| | 1830 | .3 | 1 | | | | | 0.030< | | | 0.003< | | |
| 80 09 28 | 1100 | .3 | 1 | | | | | 0.030< | | | 0.003< | | |
| 80 10 05 | 1115 | .3 | 1 | | | | | 0.040< | | | 0.003< | 0.0002< | |
| 80 10 07 | 1005 | .3 | 1 | | | 8.1 | | 0.02 < | 0.004 | | 0.003< | | 0.011 |
| 80 10 19 | 1100 | .3 | 1 | | | | | 0.040< | | 0.005 | 0.003< | 0.0004 | |
| 80 10 29 | 1050 | .3 | 1 | 208 | 8.37 | | 0.001< | 0.03 < | 0.002 | 0.003 | 0.003< | 0.0002< | 0.009 |
| 80 11 03 | 1500 | .3 | 1 | | | | | 0.040< | | | 0.003< | 0.0002< | |
| 80 11 17 | 1020 | .3 | 1 | 212.0 | | 8.3 | | 0.020< | 0.002< | | 0.003< | | 0.006 |
| 80 11 23 | 1100 | .3 | 1 | | | | | 0.040< | | 0.005 | 0.003< | 0.0002< | |
| 80 11 26 | 0925 | .3 | 1 | 225.0 | 8.36 | 8.5 | 0.005< | 0.040< | 0.002< | 0.004 | 0.003< | 0.0002< | 0.005 |
| 80 11 30 | 1100 | .3 | 1 | | | | | 0.040< | | | 0.003< | 0.0003 | |
| 80 12 02 | 1320 | .3 | 1 | 226.0 | 8.19 | 8.0 | | 0.040< | 0.002< | | 0.003< | | 0.012 |
| 80 12 07 | 1045 | .3 | 1 | | | | | 0.040< | | | 0.003< | 0.0002< | |
| 80 12 17 | 0930 | .3 | 1 | 219.0 | 8.17 | 8.3 | 0.001< | 0.040< | 0.002< | 0.002 | 0.003 | 0.0002< | 0.011 |
| MAXIMUM | | | | 228.0 | 8.48 | 8.5 | 0.020 | 0.620 | 0.030 | 0.080 | 0.080 | 0.010 | 0.080 |
| ARITH MEAN | | | | 180 | 8.19 | 8.2 | 0.003L | 0.03 L | 0.018L | 0.012L | 0.028L | 0.004 L | 0.025L |
| GEOM MEAN | | | | 176 | 8.19 | 8.2 | 0.002L | 0.02 L | 0.010L | 0.010L | 0.019L | 0.003 L | 0.020L |
| MINIMUM | | | | 90.0 | 7.73 | 7.9 | 0.001< | 0.020< | 0.002< | 0.002< | 0.001< | 0.0002< | 0.005< |
| STD DEV | | | | 38 | 0.20 | 0.2 | 0.006L | 0.06 L | 0.010L | 0.010L | 0.011L | 0.001 L | 0.019L |
| NO OF SAMPLES | | | | 21 | 16 | 7 | 12 | 106 | 23 | 43 | 111 | 93 | 23 |

| TEST-NAME: | | | | | | P1PCBT | X3PCPH | P3245T |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE YR MO DY | HOUR LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PCB TOTAL UG/L | PENTACHL PHENOL UG/L | 2,4,5-T UG/L |
| 80 01 01 | 1100 | | | .3 | 1 | 0.020R | 0.050R | 0.050R |
| 80 01 06 | 1500 | | | .3 | 1 | 0.020R | | |
| 80 01 13 | 1400 | | | .3 | 1 | 0.030 | | |
| 80 01 14 | 1430 | | | .3 | 1 | 0.020 | | |
| 80 02 06 | 0905 | | | .3 | 1 | 0.020R | | |
| 80 02 27 | 1100 | | | .3 | 1 | 0.020R | | |
| 80 03 10 | 1005 | | | .3 | 1 | 0.020R | | |
| 80 03 13 | 0950 | | | .3 | 1 | 0.020R | | |
| 80 03 19 | 1020 | | | .3 | 1 | 0.020R | | |
| 80 03 22 | 1600 | | | .3 | 1 | 0.020 | | |
| | 1600 | | | .3 | 1 | 0.020R | | |
| 80 03 24 | 0940 | | | .3 | 1 | 0.020R | | |
| | 1315 | | | .3 | 1 | 0.020R | | |
| 80 03 25 | 1615 | | | .3 | 1 | 0.020R | | |
| 80 03 26 | 0830 | | | .3 | 1 | 0.020R | | |
| | 1830 | | | .3 | 1 | 0.020R | | |
| 80 03 27 | 0930 | | | .3 | 1 | 0.020R | | |
| | 1830 | | | .3 | 1 | 0.020R | | |
| 80 03 28 | 0915 | | | .3 | 1 | 0.040 | | |
| 80 03 29 | 1200 | | | .3 | 1 | 0.020R | | |
| | 1830 | | | .3 | 1 | 0.020R | | |
| 80 03 30 | 1030 | | | .3 | 1 | 0.020R | | |
| | 1830 | | | .3 | 1 | 0.020R | | |
| 80 03 31 | 1000 | | | .3 | 1 | 0.020R | | |
| | 1800 | | | .3 | 1 | 0.020R | | |
| 80 04 01 | 1830 | | | .3 | 1 | 0.020R | | |
| 80 04 02 | 1125 | | | .3 | 1 | 0.020R | | |
| | 1830 | | | .3 | 1 | 0.020R | | |
| 80 04 03 | 1800 | | | .3 | 1 | 0.020R | | |
| 80 04 04 | 1030 | | | .3 | 1 | 0.020R | | |
| 80 04 05 | 1045 | | | .3 | 1 | 0.020R | | |
| 80 04 06 | 1330 | | | .3 | 1 | 0.020R | | |
| 80 04 07 | 1845 | | | .3 | 1 | 0.020R | | |
| 80 04 08 | 1800 | | | .3 | 1 | 0.020R | | |
| 80 04 09 | 1845 | | | .3 | 1 | 0.020R | | |
| 80 04 10 | 1005 | | | .3 | 1 | 0.020R | | |
| | 1845 | | | .3 | 1 | 0.020R | | |
| 80 04 11 | 1645 | | | .3 | 1 | 0.020R | | |
| 80 04 12 | 1830 | | | .3 | 1 | 0.020R | | |
| 80 04 13 | 1030 | | | .3 | 1 | 0.020R | | |
| 80 04 14 | 1830 | | | .3 | 1 | 0.020R | | |
| 80 04 15 | 1030 | | | .3 | 1 | 0.020R | | |
| | 1845 | | | .3 | 1 | 0.020R | | |
| 80 04 16 | 1830 | | | .3 | 1 | 0.020R | | |

BOW / SITE **GRAND RIVER**
SAMPLE POINT **AT BRIDGE IN DUNNVILLE**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ERIE**
TERM STREAM **GRAND RIVER**

STATION ID **16-0184-035-02**
STORET CODE **02**
**003**
**0150**

LAT LONG U T M **17 0612880.0 4750440.0 4** REGION **02** DISTANCE **7.725**

| TEST-NAME: | | | | | P1PCBT | X3PCPH | P3245T |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PCB TOTAL UG/L | PENTACHL PHENOL UG/L | 245T UG/L |
| 80 04 17 1745 | | | .3 | 1 | 0.020R | | |
| 80 04 18 1830 | | | .3 | 1 | 0.020R | | |
| 80 04 19 1645 | | | .3 | 1 | 0.020R | | |
| 80 04 20 1130 | | | .3 | 1 | 0.020R | | |
| 80 04 21 1845 | | | .3 | 1 | 0.020R | | |
| 80 04 22 1630 | | | .3 | 1 | 0.020R | | |
| 80 04 23 1630 | | | .3 | 1 | 0.020R | | |
| 80 04 24 1245 | | | .3 | 1 | 0.020R | | |
| 1630 | | | .3 | 1 | 0.020R | | |
| 80 04 25 1630 | | | .3 | 1 | 0.020R | | |
| 80 04 26 0930 | | | .3 | 1 | 0.020R | | |
| 80 04 27 1030 | | | .3 | 1 | 0.020R | | |
| 80 04 28 1930 | | | .3 | 1 | 0.020R | | |
| 80 05 01 1900 | | | .3 | 1 | 0.020R | | |
| 80 05 02 1800 | | | .3 | 1 | 0.020R | | |
| 80 05 03 1700 | | | .3 | 1 | 0.020R | | |
| 80 05 04 1830 | | | .3 | 1 | 0.020R | | |
| 80 05 05 1645 | | | .3 | 1 | 0.020R | | |
| 80 05 06 1115 | | | .3 | 1 | 0.020R | | |
| 1630 | | | .3 | 1 | 0.020R | | |
| 80 05 07 1630 | | | .3 | 1 | 0.020R | | |
| 80 05 08 1900 | | | .3 | 1 | 0.020R | | |
| 80 05 09 1630 | | | .3 | 1 | 0.020R | | |
| 80 05 10 1600 | | | .3 | 1 | 0.020R | 0.130 | 0.050R |
| 80 05 11 1030 | | | .3 | 1 | 0.020R | | |
| 80 05 14 2030 | | | .3 | 1 | 0.020R | | |
| 80 05 20 0945 | | | .3 | 1 | 0.020R | | |
| 80 05 21 1430 | | | .3 | 1 | 0.020 | | |
| 1900 | | | .3 | 1 | 0.020R | | |
| 80 05 22 1100 | | | .3 | 1 | 0.020R | 0.100 | 0.050R |
| 80 05 26 1045 | | | .3 | 1 | 0.020R | | |
| 80 06 03 1800 | | | .3 | 1 | 0.020R | | |
| 80 06 09 1020 | | | .3 | 1 | 0.020R | | |
| 2000 | | | .3 | 1 | 0.020R | 0.100 | 0.050R |
| 80 06 15 1100 | | | .3 | 1 | 0.020R | | |
| 80 06 23 1930 | | | .3 | 1 | 0.020R | | |
| 80 06 30 1900 | | | .3 | 1 | 0.020R | | |
| 80 07 06 1100 | | | .3 | 1 | 0.020R | | |
| 80 07 14 2015 | | | .3 | 1 | 0.020R | | |
| 80 07 21 2030 | | | .3 | 1 | 0.020R | 0.050R | 0.050R |
| 80 07 28 1550 | | | .3 | 1 | 0.020R | | |
| 80 07 29 1100 | | | .3 | 1 | 0.020R | | |
| 80 08 05 1115 | | | .3 | 1 | 0.021R | | |
| 80 08 11 1145 | | | .3 | 1 | 0.020R | 0.020R | 0.050R |
| 80 08 18 1115 | | | .3 | 1 | 0.020R | | |
| 80 08 25 1100 | | | .3 | 1 | 0.020R | | |
| 80 08 26 1825 | | | .3 | 1 | 0.020R | | |
| 80 09 03 1915 | | | .3 | 1 | 0.020R | | |
| 80 09 07 1100 | | | .3 | 1 | 0.020R | | |
| 80 09 14 1100 | | | .3 | 1 | 0.020R | | |
| 80 09 23 0940 | | | .3 | 1 | 0.020R | | |
| 1830 | | | .3 | 1 | 0.020R | 0.060 | 0.050R |
| 80 09 28 1100 | | | .3 | 1 | 0.020R | | |
| 80 10 05 1115 | | | .3 | 1 | 0.020R | | |
| 80 10 07 1005 | | | .3 | 1 | 0.020R | | |
| 80 10 19 1100 | | | .3 | 1 | 0.020R | | |
| 80 10 29 1050 | | | .3 | 1 | 0.020R | | |
| 80 11 03 1500 | | | .3 | 1 | 0.020R | | |
| 80 11 17 1020 | | | .3 | 1 | 0.020R | | |
| 80 11 19 1615 | | | .3 | 1 | 0.020R | | |
| 80 11 23 1100 | | | .3 | 1 | 0.020R | 0.180 | 0.050R |
| 80 11 26 0925 | | | .3 | 1 | 0.020R | | |
| 80 11 30 1100 | | | .3 | 1 | 0.020R | | |
| 80 12 02 1320 | | | .3 | 1 | 0.020R | | |
| 80 12 07 1045 | | | .3 | 1 | 0.020R | | |
| 80 12 17 0930 | | | .3 | 1 | 0.020R | | |
| MAXIMUM | | | | | | 0.180 | 0.050 |
| ARITH MEAN | | | | | | 0.0858 | 0.0500 |
| GEOM MEAN | | | | | | 0.0728 | 0.0500 |
| MINIMUM | | | | | | 0.020 | 0.050 |
| STD DEV | | | | | | 0.0529 | 0.0000 |
| NO OF SAMPLES | | | | | | 8 | 8 |

BOW / SITE **SPEED RIVER**
SAMPLE POINT **PUSLINCH LAKE RD 4M S-W GUELPH**
STATION TYPE **RIVER FLOW GAUGE FED 02GA015**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ERIE**
TERM STREAM **GRAND RIVER**

STATION ID **16-0184-036-02**
STORET CODE **02**
**003**
**0150**

LAT LONG U T M **17 0558000.0 4814600.0 4** REGION **02** DISTANCE **164.470**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 08 0940 | | | .3 | 1 | 29012 | 6 | 4.250 | 15000> | 15000 | 9800 | 2320 | 1.7 | 11.6 | 3.8 |
| 80 02 13 0920 | | | .3 | 1 | 29053 | 6 | 3.680 | 13000 | 19000 | 3000 | 1100 | 0.3 | 12.0 | 1.4 |
| 80 03 10 0920 | | | .3 | 1 | 29094 | 6 | 3.680 | 2000 | 7000 | 400 | 100< | 1.5 | 12.6 | 2.4 |
| 80 04 01 1500 | | | .3 | 1 | 29135 | 3 6 | 14.400 | 3300 | 8000 | | 240 | 3.0 | 14.0 | 1.0 |
| 80 05 29 0900 | | | .3 | 1 | 29176 | 6 | 2.820 | 1900C | 48000 | 220 | 2260 | 14.5 | 8.8 | 1.8 |
| 80 06 18 0900 | | | .3 | 1 | 29217 | 7 | 2.840 | 500C | 55000 | 40I | 60I | 15.0 | 7.6 | 1.8 |
| 80 07 09 1745 | | | .3 | 1 | 80139 | 6 | 2.180 | | | | | 23.0 | 8.4 | |
| 80 07 10 0325 | | | .3 | 1 | 80138 | 6 | 2.290 | | | | | 21.0 | 5.5 | |
| 80 07 21 0950 | | | .3 | 1 | 29258 | 7 | 1.870 | 1000C | 60000 | 210 | 80I | 22.5 | 7.0 | 0.8 |
| 80 08 18 0925 | | | .3 | 1 | 29299 | 6 | 2.090 | 900 | 110000 | 160 | 180 | 19.0 | 5.8 | 1.0 |
| 80 09 24 0855 | | | .3 | 1 | 29340 | 6 | 3.210 | 19000 | 59000 | 580 | 730 | 13.5 | 5.5 | 1.7 |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 10 20 0900 | | | .3 | 1 | 29381 | 6 | 3.360 | 800I | 22000 | 20< | 180I | 8.7 | 8 8 | 2 0 |
| 80 11 26 0900 | | | .3 | 1 | 29422 | 6 | 2.660 | 5200 | 6700 | 730 | 270 | 1 2 | 10.7 | 1.4 |
| 80 12 10 0907 | | | .3 | 1 | 29463 | 6 3 | 7.710 | 2800 | 24000 | 620 | 190 | 1.0 | 12.6 | 1.2 |
| MAXIMUM | | | | | | | 14.400 | 19000> | 110000 | 9800 | 2320 | 23.0 | 14.0 | 3.8 |
| ARITH MEAN | | | | | | | 4.074 | 6460G | 30142 | 1436L | 642L | 10.4 | 9.2 | 1.7 |
| GEOM MEAN | | | | | | | 3.409 | 2811G | 24946 | 371L | 311L | 5.3 | 8.8 | 1.6 |
| MINIMUM | | | | | | | 1.870 | 500 | 6700 | 20< | 60< | 0.3 | 6.6 | 0.8 |
| STD DEV | | | | | | | 3.306 | 6428G | 31100 | 2897L | 827L | 8.9 | 3.0 | 0.8 |
| NO OF SAMPLES | | | | | | | 14 | 12 | 12 | 11 | 12 | 14 | 14 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 08 0940 | | | .3 | 1 | 0.170 | 0.085 | 1 100 | 1.750 | 0.180 | 2 220 | 3.500 | 0.650 | 4.150 | 483.00 |
| 80 02 13 0920 | | | .3 | 1 | 0.073 | 0.047 | 0 390 | 1.000 | 0.051 | 3.500 | 3.941 | 0.610 | 4.551 | 469.00 |
| 80 03 10 0920 | | | .3 | 1 | 0.128 | 0.055 | 0 400 | 7.000 | 0.052 | 3.850 | 4.302 | 6 600 | 10.902 | 555.00 |
| 80 04 01 1500 | | | .3 | 1 | 0.093 | 0.039 | 0 264 | 0 960 | 0.051 | 1.940 | 2.255 | 0.696 | 2.951 | 321.00 |
| 80 05 29 0900 | | | .3 | 1 | 0.105 | 0.052 | 0 208 | 0 920 | 0.410 | 2 890 | 3.508 | 0.712 | 4 220 | 459.00 |
| 80 06 18 0900 | | | .3 | 1 | 0.148 | 0.105 | 0 266 | 0 960 | 0.160 | 2.640 | 3.066 | 0.694 | 3 760 | 457.00 |
| 80 07 09 1745 | | | .3 | 1 | 0.100 | 0.037 | 0 050 | 0 820 | 0.042 | 2 360 | 2 452 | 0.770 | 3.222 | |
| 80 07 10 0325 | | | .3 | 1 | 0.090 | 0.033 | 0 094 | 0 850 | 0.110 | 2.890 | 3.094 | 0.756 | 3.850 | |
| 80 07 21 0950 | | | .3 | 1 | 0.186 | 0.115 | 0 068 | 0 810 | 0.056 | 2.690 | 2.814 | 0 742 | 3.556 | 459.00 |
| 80 08 18 0925 | | | .3 | 1 | 0.263 | 0.155 | 0.050 | 0.760 | 0.024 | 2.830 | 2.904 | 0 710 | 3.614 | 457.0 |
| 80 09 24 0855 | | | 3 | 1 | 0.185 | 0.180 | 0.046 | 1.050 | 0.070 | 2.370 | 2.486 | 1 004 | 3.490 | 139.0 |
| 80 10 20 0900 | | | .3 | 1 | 0.102 | 0.055 | 0.012 | 0 980 | 0.070 | 3.250 | 3.332 | 0.968 | 4.300 | 401.00 |
| 80 11 26 0900 | | | .3 | 1 | 0.105 | 0.057 | 0.310 | 1.02 | 0.076 | 3.30 | 3.686 | 0.710 | 4.396 | 450 |
| 80 12 10 0907 | | | .3 | 1 | 0 058 | 0.024 | 0.088 | 0.990 | 0.035 | 1.670 | 1.793 | 0.902 | 2.695 | 402.00 |
| MAXIMUM | | | | | 0.263 | 0.180 | 1.100 | 7.000 | 0.410 | 3.850 | 4.302 | 6.600 | 10.902 | 555.00 |
| ARITH MEAN | | | | | 0.129 | 0.074 | 0.239 | 1.41 | 0.099 | 2.74 | 3.081 | 1.180 | 4.261 | 421 |
| GEOM MEAN | | | | | 0.119 | 0.062 | 0.134 | 1.11 | 0.073 | 2.67 | 3.006 | 0.882 | 4.005 | 402 |
| MINIMUM | | | | | 0.058 | 0.024 | 0.012 | 0.760 | 0.024 | 1.670 | 1.793 | 0.610 | 2.695 | 139.0 |
| STD DEV | | | | | 0.056 | 0.046 | 0.282 | 1.62 | 0.100 | 0.60 | 0.691 | 1.564 | 1.958 | 104 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | A[illegible]T | PH | FWPH | PHNOL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK [illegible]AL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL |
| 80 01 08 0940 | | | .3 | 1 | 8.00 | 475.00 | 710.0 | 2.80 | 49.500 | 57.000 | 241 | 8.05 | | 1.000< |
| 80 02 13 0920 | | | .3 | 1 | 5.00 | 464.00 | 740.0 | 2.80 | 65.000 | 60.000 | 231.0 | 7.96 | | 1.000 |
| 80 03 10 0920 | | | .3 | 1 | 15.00 | 540.00 | 860.0 | 3.70 | 108.000 | 57.000 | 219.0 | 7.91 | | 1.000< |
| 80 04 01 1500 | | | .3 | 1 | 13.00 | 308.00 | 460.0 | 2.70 | 27.000 | 34.500 | 161.0 | 8.12 | | 1.000< |
| 80 05 29 0900 | | | .3 | 1 | 6.00 | 453.00 | 700.0 | 1.50 | 58.000 | 49.000 | 227.0 | 7.99 | | 1.000< |
| 80 06 18 0900 | | | .3 | 1 | 7.00 | 450.00 | 700.0 | 2.10 | 56.500 | 52.000 | 223.0 | 7.93 | | 1.000< |
| 80 07 09 1745 | | | .3 | 1 | | | 650.0 | | | | | 8.42 | 8.40 | |
| 80 07 10 0325 | | | .3 | 1 | | | 750.0 | | | | | 8.03 | 7.90 | |
| 80 07 21 0950 | | | .3 | 1 | 4.00 | 455.00 | 700.0 | 1.00 | 64.000 | 49.000 | 203 | 7.74 | | 1.000< |
| 80 08 18 0925 | | | .3 | 1 | 11.0 | 446 | 700 | 4.0 | 60.5 | 49.0 | 218 | 8.00 | | 1 < |
| 80 09 24 0855 | | | .3 | 1 | 9.0 | | 200 | 2 1 | 52.0 | 48.5 | 180 | 7.84 | | 1 < |
| 80 10 20 0900 | | | .3 | 1 | 5.00 | 396.00 | 680.0 | 2.10 | 53.000 | 50.500 | 217.0 | 8.06 | | 1.000< |
| 80 11 26 0900 | | | .3 | 1 | 4 | 446 | 760 | 1.5 | 76 | 60.0 | 221 | 7.94 | | 1 < |
| 80 12 10 0907 | | | .3 | 1 | 20.00 | 382.00 | 620.0 | 3.50 | 44.000 | 45 500 | 214.0 | 8.10 | | 1.000< |
| MAXIMUM | | | | | 20.00 | 540.00 | 860.0 | 4.0 | 108.000 | 60.000 | 241 | 8.42 | 8.40 | 1.000 |
| ARITH MEAN | | | | | 8 | 437 | 659 | 2.4 | 59 | 51.0 | 212 | 8.01 | 8.15 | 1 L |
| GEOM MEAN | | | | | 7 | 433 | 630 | 2.3 | 56 | 50.5 | 211 | 8.01 | 8.15 | 1 L |
| MINIMUM | | | | | 4.00 | 308.00 | 200 | 1.00 | 27.000 | 34.500 | 161.0 | 7.74 | 7.90 | 1.000< |
| STD DEV | | | | | 4 | 69 | 158 | 0.9 | 19 | 7.1 | 22 | 0.18 | 0.35 | 0 L |
| NO OF SAMPLES | | | | | 12 | 11 | 14 | 12 | 12 | 12 | 12 | 14 | 2 | 12 |

| TEST-NAME: | | | | | FEUT | COLAP | COD | ASUT | HGUT | ALUT | CRUT | CUUT | PBUT | CDUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | IRON UNF.TOT. MG/L AS FE | COLOUR APPARENT HZU | CHEM. OX DEMAND MG/L AS O | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD |
| 80 01 08 0940 | | | .3 | 1 | 0.220 | 26.000 | 30 | 0.001< | | 0.130 | 0.040 | 0.020 | 0.030< | 0.005 < |
| 80 02 13 0920 | | | .3 | 1 | 0.230 | 22.000 | 20 | 0.001 | 0.020< | 0.110 | 0.050 | 0.030 | 0.030< | 0.005 < |
| 80 03 10 0920 | | | .3 | 1 | 0.370 | 70.000 | 10< | 0.001< | | 0.200 | 0.020< | 0.010< | 0.030< | 0.005 < |
| 80 04 01 1500 | | | .3 | 1 | 0.340 | 29.000 | 40 | 0.001< | | 0.250 | 0.020< | 0.020 | 0.030< | 0.005 < |
| 80 05 29 0900 | | | .3 | 1 | 0.220 | 27.000 | 26 | 0.001< | | 0.090 | 0.020< | 0.010< | 0.040 | 0.005 < |
| 80 06 18 0900 | | | .3 | 1 | 0.190 | 19.000 | 10< | 0.001< | | 0.140 | | 0.010< | 0.030< | 0.005 < |
| 80 07 21 0950 | | | .3 | 1 | 0.140 | 28.000 | 26 | 0.001< | | 0.50 | 0.02 < | 0.01 < | 0.03 < | 0.005 < |
| 80 08 18 0925 | | | .3 | 1 | 0.41 | 39 | 16 | 0.001< | | 0.170 | 0.003 | 0.004 | 0.009 | 0.0007 |
| 80 09 24 0855 | | | .3 | 1 | 0.29 | 15 | 12 | 0.001< | | 0.004 | 0.002 | 0.001 | 0.003< | 0.0002< |
| 80 10 20 0900 | | | .3 | 1 | 0.220 | 29.000 | 29 | 0.001< | | 0.084 | 0.008 | 0.010 | 0.008 | 0.0002< |
| 80 11 26 0900 | | | .3 | 1 | 0.15 | 24 | 43 | 0.001< | | 0.003< | 0.002 | 0.009 | 0.003< | 0.0004 |
| 80 12 10 0907 | | | .3 | 1 | 0.400 | 40.000 | 40 | 0.001< | | 0.320 | 0.008 | 0.005 | 0.007 | 0.0002< |
| MAXIMUM | | | | | 0.41 | 70.000 | 43 | 0.001 | 0.020 | 0.50 | 0.050 | 0.030 | 0.040 | 0.005 |
| ARITH MEAN | | | | | 0.28 | 30 | 25L | 0.001L | 0.020L | 0.16 L | 0.01 L | 0.01 L | 0.02 L | 0.003 L |
| GEOM MEAN | | | | | 0.25 | 28 | 22L | 0.001L | | 0.06 L | 0.01 L | 0.00 L | 0.01 L | 0.001 L |
| MINIMUM | | | | | 0.140 | 15 | 10< | 0.001< | 0.020< | 0.003< | 0.002< | 0.001< | 0.003< | 0.0002< |
| STD DEV | | | | | 0.09 | 14 | 12L | 0.000L | | 0.13 L | 0.01 L | 0.00 L | 0.01 L | 0.002 L |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 1 | 12 | 11 | 12 | 12 | 12 |

| TEST-NAME: | | | | | ZNUT | MNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 01 08 0940 | | | .3 | 1 | 0 080 | 0.051 | 0 020< | 0.020 < |
| 80 02 13 0920 | | | .3 | 1 | 0 120 | 0.057 | 0 020< | 0.020 < |
| 80 03 10 0920 | | | .3 | 1 | 0.010< | 0.079 | 0 020< | 0.020 < |
| 80 04 01 1500 | | | .3 | 1 | 0.050 | 0.038 | 0 020< | 0.020 < |
| 80 05 29 0900 | | | .3 | 1 | 0.190 | 0.062 | 0.020 | 0.020 < |
| 80 06 18 0900 | | | .3 | 1 | 0.090 | 0.029 | 0.030 | 0.020 < |
| 80 07 21 0950 | | | .3 | 1 | 0 07 | 0.030 | 0.02 < | 0.02 < |
| 80 08 18 0925 | | | .3 | 1 | 0 079 | 0.043 | 0.004 | 0.002 < |
| 80 09 24 0855 | | | .3 | 1 | 0.008 | 0.054 | 0.007 | 0.002 < |
| 80 10 20 0900 | | | .3 | 1 | 0.063 | 0.043 | 0.004 | 0.002 < |
| 80 11 26 0900 | | | .3 | 1 | 0.080 | 0.030 | 0.009 | 0.0005< |
| 80 12 10 0907 | | | 3 | 1 | 0.077 | 0.072 | 0.003 | 0.002 < |
| MAXIMUM | | | | | 0.190 | 0.079 | 0.030 | 0.02 |
| ARITH MEAN | | | | | 0.07 L | 0.048 | 0.01 L | 0.01 L |
| GEOM MEAN | | | | | 0.06 L | 0.046 | 0.01 L | 0.00 L |
| MINIMUM | | | | | 0.008< | 0.029 | 0.003< | 0.0005< |
| STD DEV | | | | | 0.04 L | 0.017 | 0.00 L | 0.00 L |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **GRAND RIVER**
SAMPLE POINT: **1ST.CONC.ROAD DISTR.OF BELLWOOD LAKE**
STATION TYPE: **RIVER FLOW GAUGE FED 02GA016**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-037-02**
STORET CODE: **02**
**003**
**0150**

LAT: LONG: U.T.M: **17 0552825.0 4841325.0 4** REGION: **02** DISTANCE: **222.586**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 08 1155 | | | .3 | 1 | 29020 | 6 | 7.440 | 20I | 340 | 20I | 40I | 0.7 | 13.6 | 0.6 |
| 80 02 13 1135 | | | .3 | 1 | 29061 | 6 | 6.400 | 70I | 260 | 4< | 8 | 1.3 | 13.5 | 1.2 |
| 80 03 10 1210 | | | .3 | 1 | 29102 | 6 | 4.430 | 40I | 400 | 4< | 4< | 2.0 | 15.7 | 0.8 |
| 80 03 21 1130 | | | .3 | 1 | 29997 | 3 | 5.820 | 10000 | 45000 | 100I | 4900 | 1.0 | 12.5 | 3.4 |
| 80 04 01 1220 | | | .3 | 1 | 29143 | 3 6 | 27.300 | 610C | 13000 | | 88 | 0.5 | 13.6 | 1.8 |
| 80 05 29 1055 | | | .3 | 1 | 29184 | 6 | 4.400 | 800 | 860 | 4< | 4 | 12.0 | 12.0 | 0.6 |
| 80 06 18 1125 | | | .3 | 1 | 29225 | 6 | 6.380 | 900 | 4500 | 36 | 16 | 14.5 | 10.8 | 1.0 |
| 80 07 08 1535 | | | .3 | 1 | 80095 | 6 | 4.460 | | | | | 20.0 | 10.4 | |
| 80 07 09 0210 | | | .3 | 1 | 80094 | 6 | 4.310 | | | | | 16.0 | 7.4 | |
| 80 07 21 1235 | | | .3 | 1 | 29266 | 6 | 5.640 | 500 | 8500 | 40 | 28 | 18.0 | 11.8 | 0.2 |
| 80 08 18 1135 | | | .3 | 1 | 29307 | 6 | 8.090 | 460C | 8400 | 44 | 268 | 21.0 | 8.7 | 1.4 |
| 80 09 24 1140 | | | .3 | 1 | 29348 | 6 | 8.170 | 1900 | 6500 | 660 | 400 | 16.5 | 9.9 | 1.4 |
| 80 10 20 1100 | | | .3 | 1 | 29389 | 6 | 7.980 | 220 | 2000 | 10< | 10I | 9.8 | 12.4 | 1.2 |
| 80 11 26 1118 | | | .3 | 1 | 29430 | 6 | 7.420 | 44 | 440 | 4 | 4< | 1.8 | 14.6 | 1.2 |
| 80 12 10 1115 | | | .3 | 1 | 29471 | 6 3 | 13.100 | 1140C | 9000 | 80 | 116 | 1.0 | 13.8 | 0.2 |
| MAXIMUM | | | | | | | **27.300** | **10000** | **45000** | **660** | **4900** | **21.0** | **15.7** | **3.4** |
| ARITH MEAN | | | | | | | **8.089** | **1285** | **7631** | **84L** | **453L** | **9.1** | **12.0** | **1.2** |
| GEOM MEAN | | | | | | | **7.046** | **350** | **2634** | **23L** | **38L** | **4.6** | **11.8** | **0.9** |
| MINIMUM | | | | | | | **4.310** | **20** | **260** | **4<** | **4<** | **0.5** | **7.4** | **0.2** |
| STD DEV | | | | | | | **5.772** | **2674** | **12002** | **184L** | **1342L** | **8.1** | **2.3** | **0.8** |
| NO OF SAMPLES | | | | | | | **15** | **13** | **13** | **12** | **13** | **15** | **15** | **13** |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 08 1155 | | | .3 | 1 | 0.043 | 0.014 | 0.064 | 0.750 | 0.009 | 1.590 | 1.663 | 0.686 | 2.349 | 273.0 |
| 80 02 13 1135 | | | .3 | 1 | 0.034 | 0.012 | 0.062 | 0.650 | 0.010 | 1.340 | 1.412 | 0.588 | 2.000 | 258.0 |
| 80 03 10 1210 | | | .3 | 1 | 0.043 | 0.012 | 0.080 | 0.880 | 0.013 | 1.240 | 1.333 | 0.800 | 2.133 | 252.0 |
| 80 03 21 1130 | | | .3 | 1 | 0.288 | 0.032 | 0.440 | 1.850 | 0.029 | 1.270 | 1.739 | 1.410 | 3.149 | 287.0 |
| 80 04 01 1220 | | | .3 | 1 | 0.100 | 0.031 | 0.260 | 0.900 | 0.020 | 1.000 | 1.280 | 0.640 | 1.920 | 184.0 |
| 80 05 29 1055 | | | .3 | 1 | 0.033 | 0.003 | 0.118 | 0.770 | 0.035 | 0.695 | 0.848 | 0.652 | 1.500 | 242.0 |
| 80 06 18 1125 | | | .3 | 1 | 0.047 | 0.006 | 0.092 | 0.760 | 0.024 | 0.536 | 0.652 | 0.668 | 1.320 | 258.0 |
| 80 07 08 1535 | | | .3 | 1 | 0.026 | 0.001 | 0.084 | 0.780 | 0.039 | 0.476 | 0.599 | 0.696 | 1.295 | |
| 80 07 09 0210 | | | .3 | 1 | 0.035 | 0.005 | 0.118 | 0.800 | 0.029 | 0.541 | 0.688 | 0.682 | 1.370 | |
| 80 07 21 1235 | | | .3 | 1 | 0.022 | 0.005 | 0.056 | 0.660 | 0.018 | 0.582 | 0.656 | 0.604 | 1.260 | 259.0 |
| 80 08 18 1135 | | | .3 | 1 | 0.038 | 0.001 | 0.088 | 0.870 | 0.022 | 0.193 | 0.303 | 0.782 | 1.085 | 248.0 |
| 80 09 24 1140 | | | .3 | 1 | 0.045 | 0.010 | 0.148 | 0.950 | 0.022 | 0.033 | 0.203 | 0.802 | 1.005 | 246.0 |
| 80 10 20 1100 | | | .3 | 1 | 0.040 | 0.009 | 0.158 | 0.920 | 0.033 | 0.067 | 0.258 | 0.762 | 1.020 | 273.0 |
| 80 11 26 1118 | | | .3 | 1 | 0.019 | 0.001 | 0.076 | 0.76 | 0.007 | 0.515 | 0.598 | 0.684 | 1.282 | 336 |
| 80 12 10 1115 | | | .3 | 1 | 0.058 | 0.001< | 0.086 | 0.710 | 0.008 | 0.807 | 0.901 | 0.624 | 1.525 | 326.0 |
| MAXIMUM | | | | | **0.288** | **0.032** | **0.440** | **1.850** | **0.039** | **1.590** | **1.739** | **1.410** | **3.149** | **336** |
| ARITH MEAN | | | | | **0.058** | **0.010L** | **0.129** | **0.86** | **0.021** | **0.726** | **0.876** | **0.739** | **1.614** | **264** |
| GEOM MEAN | | | | | **0.044** | **0.005L** | **0.107** | **0.83** | **0.019** | **0.503** | **0.730** | **0.721** | **1.529** | **262** |
| MINIMUM | | | | | **0.019** | **0.001<** | **0.056** | **0.650** | **0.007** | **0.033** | **0.203** | **0.588** | **1.005** | **184.0** |
| STD DEV | | | | | **0.066** | **0.010L** | **0.101** | **0.28** | **0.010** | **0.475** | **0.496** | **0.198** | **0.593** | **38** |
| NO OF SAMPLES | | | | | **15** | **15** | **15** | **15** | **15** | **15** | **15** | **15** | **15** | **13** |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 08 1155 | | | .3 | 1 | 3.0 | 270.000 | 415.0 | 4.70 | 8.150 | 8.11 | |
| 80 02 13 1135 | | | .3 | 1 | 4.0 | 254.000 | 390.0 | 3.40 | 7.700 | 8.02 | |
| 80 03 10 1210 | | | .3 | 1 | 5.0 | 247.000 | 380.0 | 4.10 | 8.800 | 8.05 | |
| 80 03 21 1130 | | | .3 | 1 | 108.0 | 179.000 | 275.0 | 37.50 | 8.100 | 7.52 | |
| 80 04 01 1220 | | | .3 | 1 | 21.0 | 163.000 | 250.0 | 8.70 | 5.700 | 7.78 | |
| 80 05 29 1055 | | | .3 | 1 | 5.0 | 237.000 | 365.0 | 2.50 | 7.750 | 8.29 | |
| 80 06 18 1125 | | | .3 | 1 | 17.0 | 241.000 | 370.0 | 6.80 | 8.200 | 8.37 | |
| 80 07 08 1535 | | | .3 | 1 | | | 385.0 | | | 8.38 | 8.40 |
| 80 07 09 0210 | | | .3 | 1 | | | 390.0 | | | 7.98 | 8.00 |
| 80 07 21 1235 | | | .3 | 1 | 4.0 | 254.000 | 390.0 | 2.80 | 8.350 | 8.13 | |
| 80 08 18 1135 | | | .3 | 1 | 7.0 | 241 | 370 | 4.5 | 7.05 | 8.28 | |
| 80 09 24 1140 | | | .3 | 1 | 5.0 | 241 | 370 | 3.5 | 7.4 | 8.38 | |
| 80 10 20 1100 | | | .3 | 1 | 7.0 | 266.0 | 410.0 | 2.50 | 8.550 | 8.41 | |
| 80 11 26 1118 | | | .3 | 1 | 6 | 330 | 500 | 2.5 | 10.5 | 8.40 | |
| 80 12 10 1115 | | | .3 | 1 | 6.0 | 320.0 | 520.0 | 3.50 | 11.000 | 8.24 | |
| MAXIMUM | | | | | **108.0** | **330** | **520.0** | **37.50** | **11.000** | **8.41** | **8.40** |
| ARITH MEAN | | | | | **15** | **249** | **386** | **6.6** | **8.2** | **8.18** | **8.20** |
| GEOM MEAN | | | | | **7** | **246** | **379** | **4.6** | **8.1** | **8.15** | **8.20** |
| MINIMUM | | | | | **3.0** | **163.000** | **250.0** | **2.50** | **5.700** | **7.52** | **8.00** |
| STD DEV | | | | | **28** | **46** | **67** | **9.4** | **1.3** | **0.26** | **0.28** |
| NO OF SAMPLES | | | | | **13** | **13** | **15** | **13** | **13** | **15** | **2** |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

| | | |
|---|---|---|
| B.O.W./ SITE: **ALDER CREEK**<br>SAMPLE POINT: **AT FIRST CONC ROAD SOUTH OF NEW DUNDEE**<br>STATION TYPE: **RIVER FLOW GAUGE FED 02GA030** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE ERIE**<br>TERM STREAM: **GRAND RIVER** | STATION ID: **16-0184-030-02**<br>STORET CODE: **02**<br>**003**<br>**0150** |
| LAT: LONG: | U T M: **17 0537950.0 4798800.0 4** REGION: **01** | DISTANCE: **179.800** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM MG/L AS O |
| 80 01 14 1145 | | | .3 | 1 | 29038 | 6 | 0.213 | 4000 | 15000 | 400 | 870 | 3.0 | 12.7 | 2.6 |
| 80 02 11 1000 | | | .3 | 1 | 29079 | 6 | 0.052 | 400 | 1700 | 20 | 110 | 3.7 | 12.9 | 1.0 |
| 80 03 04 1145 | | | .3 | 1 | 29120 | 6 | 0.026 | 1500 | 15000 | 30I | 40I | 4.5 | 14.4 | 1.0 |
| 80 04 02 0932 | | | .3 | 1 | 29161 | 3 6 | 0.398 | 1400 | 12000 | | 1500> | 3.0 | 11.7 | 0.6 |
| 80 05 14 1140 | | | .3 | 1 | 29202 | 6 | 0.203 | 4500 | 11300 | 360 | 240 | 12.0 | 14.1 | 3.6 |
| 80 06 03 1315 | | | .3 | 1 | 29243 | 3 | 0.373 | 104000 | 170000 | 91000 | 3500 | 17.0 | 11.2 | 4.8 |
| 80 07 08 1400 | | | .3 | 1 | 29284 | 6 | 0.049 | 600I | 6200 | 40I | 120 | 22.0 | 15.4 | 1.0 |
| 80 07 10 1330 | | | .3 | 1 | 80153 | 7 | 0.051 | | | | | 25.0 | 13.2 | |
| 80 07 11 0145 | | | .3 | 1 | 80152 | 7 | 0.050 | | | | | 19.5 | 3.3 | |
| 80 08 06 1100 | | | .3 | 1 | 29325 | 6 | 0.065 | 1300 | 6700 | 160I | 380 | 19.5 | 9.6 | 1.0 |
| 80 09 17 1205 | | | .3 | 1 | 29366 | 6 | 0.106 | 1700> | 44000 | 130 | 410 | 15.5 | 7.4 | 2.2 |
| 80 10 23 1340 | | | .3 | 1 | 29407 | 6 | 0.084 | 300C | 30000 | 50I | 340 | 9.0 | 15.5 | |
| 80 11 19 1155 | | | .3 | 1 | 29448 | 6 | 0.112 | 300C | 10400 | 10I | 230 | 5.4 | 14.6 | 1.8 |
| 80 12 17 1142 | | | .3 | 1 | 29489 | 6 | 0.120 | 200 | 3600 | 40I | 10< | 0.4 | 14.6 | 0.7 |
| MAXIMUM | | | | | | | 0.398 | 104000> | 170000 | 91000 | 3500> | 25.0 | 15.5 | 4.8 |
| ARITH MEAN | | | | | | | 0.136 | 10017G | 27158 | 8385 | 6468 | 11.4 | 12.2 | 1.8 |
| GEOM MEAN | | | | | | | 0.089 | 1353G | 12729 | 128 | 2548 | 7.5 | 11.5 | 1.5 |
| MINIMUM | | | | | | | 0.026 | 200 | 1700 | 10 | 10< | 0.4 | 3.3 | 0.6 |
| STD DEV | | | | | | | 0.120 | 29631G | 46529 | 27400 | 9828 | 8.3 | 3.4 | 1.4 |
| NO OF SAMPLES | | | | | | | 14 | 12 | 12 | 11 | 12 | 14 | 14 | 11 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 14 1145 | | | .3 | 1 | 0.335 | 0.091 | 0.520 | 1.850 | 0.049 | 6.450 | 7.019 | 1.330 | 8.349 | 602.0 |
| 80 02 11 1000 | | | .3 | 1 | 0.224 | 0.130 | 0.200 | 0.700 | 0.053 | 7.950 | 8.203 | 0.500 | 8.703 | 684.0 |
| 80 03 04 1145 | | | .3 | 1 | 0.229 | 0.170 | 0.286 | 0.890 | 0.065 | 7.690 | 8.041 | 0.604 | 8.645 | 633.0 |
| 80 04 02 0932 | | | .3 | 1 | 0.157 | 0.091 | 0.280 | 0.920 | 0.045 | 4.650 | 4.975 | 0.640 | 5.615 | 444.0 |
| 80 05 14 1140 | | | .3 | 1 | 0.117 | 0.008 | 0.030 | 1.270 | 0.059 | 3.040 | 3.129 | 1.240 | 4.369 | 444.0 |
| 80 06 03 1315 | | | .3 | 1 | 0.317 | 0.053 | 0.020 | 1.930 | 0.080 | 4.420 | 4.520 | 1.910 | 6.430 | 533.0 |
| 80 07 08 1400 | | | .3 | 1 | 0.100 | 0.034 | 0.004 | 0.510 | 0.110 | 2.240 | 2.354 | 0.506 | 2.860 | 566.0 |
| 80 07 10 1330 | | | .3 | 1 | 0.129 | 0.025 | 0.052 | 0.610 | 0.130 | 2.020 | 2.202 | 0.558 | 2.760 | |
| 80 07 11 0145 | | | .3 | 1 | 0.115 | 0.012 | 0.006 | 0.530 | 0.130 | 1.920 | 2.056 | 0.524 | 2.580 | |
| 80 08 06 1100 | | | .3 | 1 | 0.074 | 0.038 | 0.048 | 0.510 | 0.050 | 2.200 | 2.298 | 0.462 | 2.760 | 640.0 |
| 80 09 17 1205 | | | .3 | 1 | 0.144 | 0.062 | 0.132 | 0.850 | 0.140 | 2.410 | 2.682 | 0.718 | 3.400 | 590.0 |
| 80 11 19 1155 | | | .3 | 1 | 0.080 | 0.035 | 0.022 | 0.53 | 0.043 | 3.2 | 3.265 | 0.508 | 3.773 | 670 |
| 80 12 17 1142 | | | .3 | 1 | 0.202 | 0.180 | 0.154 | 0.570 | 0.046 | 6.950 | 7.150 | 0.416 | 7.566 | 628.0 |
| MAXIMUM | | | | | 0.335 | 0.180 | 0.520 | 1.930 | 0.140 | 7.950 | 8.203 | 1.910 | 8.703 | 684.0 |
| ARITH MEAN | | | | | 0.171 | 0.071 | 0.135 | 0.89 | 0.077 | 4.2 | 4.463 | 0.703 | 5.216 | 584 |
| GEOM MEAN | | | | | 0.153 | 0.050 | 0.060 | 0.80 | 0.070 | 3.7 | 3.910 | 0.677 | 4.698 | 579 |
| MINIMUM | | | | | 0.074 | 0.008 | 0.004 | 0.510 | 0.043 | 1.920 | 2.056 | 0.416 | 2.580 | 444.0 |
| STD DEV | | | | | 0.085 | 0.058 | 0.163 | 0.49 | 0.037 | 2.2 | 2.387 | 0.449 | 2.442 | 82 |
| NO OF SAMPLES | | | | | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 11 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 14 1145 | | | .3 | 1 | 99.0 | 503.0 | 740.0 | 35.00 | 32.500 | 7.74 | |
| 80 02 11 1000 | | | .3 | 1 | 32.0 | 652.0 | 890.0 | 9.00 | 38.000 | 7.72 | |
| 80 03 04 1145 | | | .3 | 1 | 5.0 | 628.0 | 900.0 | 2.60 | 35.000 | 7.97 | |
| 80 04 02 0932 | | | .3 | 1 | 12.0 | 432.0 | 650.0 | 6.50 | 28.500 | 8.04 | |
| 80 05 14 1140 | | | .3 | 1 | 15.0 | 429.0 | 600.0 | 5.00 | 30.500 | 8.35 | |
| 80 06 03 1315 | | | .3 | 1 | 28.0 | 505.0 | 700.0 | 6.30 | 32.000 | 8.35 | |
| 80 07 08 1400 | | | .3 | 1 | 4.0 | 562 | 750 | 2.2 | 27.0 | 8.48 | |
| 80 07 10 1330 | | | .3 | 1 | | | 750.0 | | | 8.49 | 8.50 |
| 80 07 11 0145 | | | .3 | 1 | | | 750.0 | | | 7.62 | 7.40 |
| 80 08 06 1100 | | | .3 | 1 | 3.0 | 637 | 850 | 1.7 | 25.5 | 8.01 | |
| 80 09 17 1205 | | | .3 | 1 | 5.0 | 590.0 | 780.0 | 1.90 | 30.000 | 7.86 | |
| 80 11 19 1155 | | | .3 | 1 | 7 | 663 | 920 | 1.6 | 31.5 | 8.22 | |
| 8` .2 17 1142 | | | .3 | 1 | 2.0 | 626.0 | 920.0 | 2.30 | 33.500 | 8.15 | |
| MAXIMUM | | | | | 99.0 | 663 | 920 | 35.00 | 38.000 | 8.49 | 8.50 |
| ARITH MEAN | | | | | 19 | 566 | 784 | 6.7 | 31.2 | 8.08 | 7.95 |
| GEOM MEAN | | | | | 9 | 559 | 778 | 4.0 | 31.0 | 8.07 | 7.93 |
| MINIMUM | | | | | 2.0 | 429.0 | 600.0 | 1.6 | 25.5 | 7.62 | 7.40 |
| STD DEV | | | | | 28 | 86 | 104 | 9.6 | 3.6 | 0.29 | 0.78 |
| NO OF SAMPLES | | | | | 11 | 11 | 13 | 11 | 11 | 13 | 2 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE **GRAND RIVER**
SAMPLE POINT **AT EAST LUTHER AND AMARANTH TWP LINE**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ERIE**
TERM STREAM **GRAND RIVER**

STATION ID **16-0184-039-02**
STORET CODE **02**
**003**
**0150**

LAT
LONG
U T M: **17 0556200.0 4860150.0 4**
REGION: **02**
DISTANCE: **248.154**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 08 1230 | | | .3 | 1 | 29026 | 6 | 600I | 1100 | 20< | 20< | 0.5 | 12.4 | 0.6 | 0.025 |
| 80 02 13 1225 | | | .3 | 1 | 29067 | 4 6 | 100 | 700 | 20< | 20< | 0.0 | 11.6 | 0.6 | 0.025 |
| 80 03 10 1255 | | | .3 | 1 | 29104 | 4 6 | 740 | 940 | 20I | 10< | 0.5 | 12.7 | 0.2 | 0.021 |
| 80 04 01 1140 | | | .3 | 1 | 29145 | 3 6 | 1160C | 5800 | | 30I | 1.0 | 12.8 | 0.2 | 0.036 |
| 80 05 29 1135 | | | .3 | 1 | 29186 | 6 | 800 | 7200 | 10I | 140 | 17.0 | 11.8 | 0.8 | 0.016 |
| 80 06 23 1005 | | | .3 | 1 | 29227 | 7 5 | 360 | 5200 | 24 | 20I | 19.0 | 8.9 | 0.8 | 0.050 |
| 80 07 08 1445 | | | .3 | 1 | 80091 | 6 | | | | | 23.0 | 8.9 | | 0.038 |
| 80 07 09 0140 | | | .3 | 1 | 80090 | 6 | | | | | 22.0 | 5.9 | | 0.078 |
| 80 07 29 0950 | | | .3 | 1 | 29268 | 3 | 6000C | 78000 | 1340 | 2800 | 19.0 | 6.7 | 2.0 | 0.028 |
| 80 08 25 0945 | | | .3 | 1 | 29309 | 6 7 | 1300 | 12100 | 160I | 150I | 20.5 | 8.4 | 0.8 | 0.020 |
| 80 09 25 1030 | | | .3 | 1 | 29350 | 6 | 3000 | 23000 | 660 | 580 | 12.5 | 9.9 | 0.8 | 0.028 |
| 80 10 20 1130 | | | .3 | 1 | 29391 | 6 | 600I | 22000 | 140I | 380 | 7.5 | 12.6 | 0.4 | 0.022 |
| 80 11 26 1149 | | | .3 | 1 | 29432 | 6 | 700C | 1600 | 32 | 4 | 0.2 | 15.0 | 0.2 | 0.019 |
| 80 12 10 1147 | | | .3 | 1 | 29473 | 6 3 | 1410C | 220000 | 112 | 256 | 0.1 | 12.8 | 0.4 | 0.012 |
| MAXIMUM | | | | | | | 6000 | 220000 | 1340 | 2800 | 23.0 | 15.0 | 2.0 | 0.078 |
| ARITH MEAN | | | | | | | 1397 | 31470 | 231L | 387L | 10.2 | 10.7 | 0.6 | 0.030 |
| GEOM MEAN | | | | | | | 876 | 7387 | 88L | 75L | 3.4 | 10.4 | 0.5 | 0.027 |
| MINIMUM | | | | | | | 100 | 700 | 10< | 4< | 0.0 | 5.9 | 0.2 | 0.012 |
| STD DEV | | | | | | | 1627 | 63167 | 413L | 787L | 9.6 | 2.6 | 0.5 | 0.017 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 11 | 12 | 14 | 14 | 12 | 14 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 08 1230 | | | .3 | 1 | 0.003 | 0.030 | 0.730 | 0.005 | 0.895 | 0.930 | 0.700 | 1.630 | 365.0 | 2.0 |
| 80 02 13 1225 | | | .3 | 1 | 0.003 | 0.042 | 1.510 | 0.006 | 0.555 | 0.603 | 1.468 | 2.071 | 251.0 | 4.0 |
| 80 03 10 1255 | | | .3 | 1 | 0.006 | 0.162 | 0.870 | 0.011 | 0.589 | 0.762 | 0.708 | 1.470 | 262.0 | 2.0 |
| 80 04 01 1140 | | | .3 | 1 | 0.009 | 0.044 | 0.540 | 0.007 | 0.400 | 0.451 | 0.496 | 0.947 | 197.0 | 8.0 |
| 80 05 29 1135 | | | .3 | 1 | 0.003 | 0.036 | 0.820 | 0.011 | 0.047 | 0.094 | 0.784 | 0.878 | 277.0 | 1.0 |
| 80 06 23 1005 | | | .3 | 1 | 0.004 | 0.016 | 1.410 | 0.003 | 0.007 | 0.026 | 1.394 | 1.420 | 316.0 | 10.0 |
| 80 07 08 1445 | | | .3 | 1 | 0.010 | 0.032 | 0.970 | 0.018 | 0.532 | 0.582 | 0.938 | 1.520 | | |
| 80 07 09 0140 | | | .3 | 1 | 0.009 | 0.070 | 0.980 | 0.026 | 0.804 | 0.900 | 0.910 | 1.810 | | |
| 80 07 29 0950 | | | .3 | 1 | 0.013 | 0.016 | 1.330 | 0.012 | 0.269 | 0.297 | 1.314 | 1.611 | 271.0 | 14.0 |
| 80 08 25 0945 | | | .3 | 1 | 0.001 | 0.014 | 0.850 | 0.003 | 0.012 | 0.029 | 0.836 | 0.865 | 249.0 | 5.0 |
| 80 09 25 1030 | | | .3 | 1 | 0.003 | 0.036 | 0.950 | 0.005 | 0.140 | 0.181 | 0.914 | 1.095 | 277.0 | 3.0 |
| 80 10 20 1130 | | | .3 | 1 | 0.002 | 0.032 | 0.820 | 0.004 | 0.451 | 0.487 | 0.788 | 1.275 | 365.0 | 2.0 |
| 80 11 26 1149 | | | .3 | 1 | 0.008 | 0.006 | 0.63 | 0.003 | 0.385 | 0.394 | 0.624 | 1.018 | 321 | 3 |
| 80 12 10 1147 | | | .3 | 1 | 0.009 | 0.032 | 0.690 | 0.006 | 0.829 | 0.867 | 0.658 | 1.525 | 256.0 | 4.0 |
| MAXIMUM | | | | | 0.013 | 0.162 | 1.510 | 0.026 | 0.895 | 0.930 | 1.468 | 2.071 | 365.0 | 14.0 |
| ARITH MEAN | | | | | 0.006 | 0.041 | 0.93 | 0.009 | 0.422 | 0.472 | 0.895 | 1.367 | 283 | 4 |
| GEOM MEAN | | | | | 0.005 | 0.030 | 0.89 | 0.007 | 0.229 | 0.306 | 0.864 | 1.320 | 280 | 3 |
| MINIMUM | | | | | 0.001 | 0.006 | 0.540 | 0.003 | 0.007 | 0.026 | 0.496 | 0.865 | 197.0 | 1.0 |
| STD DEV | | | | | 0.004 | 0.038 | 0.29 | 0.007 | 0.301 | 0.319 | 0.287 | 0.367 | 49 | 3 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 08 1230 | | | .3 | 1 | 363.000 | 405.0 | 2.20 | 7.250 | 7.96 | |
| 80 02 13 1225 | | | .3 | 1 | 247.000 | 380.0 | 2.40 | 5.950 | 7.82 | |
| 80 03 10 1255 | | | .3 | 1 | 260.000 | 400.0 | 2.25 | 8.050 | 7.83 | |
| 80 04 01 1140 | | | .3 | 1 | 189.000 | 290.0 | 3.20 | 4.900 | 7.99 | |
| 80 05 29 1135 | | | .3 | 1 | 276.000 | 425.0 | 0.80 | 9.500 | 8.56 | |
| 80 06 23 1005 | | | .3 | 1 | 306.0 | 450.0 | 2.10 | 12.000 | 8.25 | |
| 80 07 08 1445 | | | .3 | 1 | | 365.0 | | | 8.40 | 8.30 |
| 80 07 09 0140 | | | .3 | 1 | | 280.0 | | | 7.84 | 8.35 |
| 80 07 29 0950 | | | .3 | 1 | 257 | 395 | 4.4 | 5.15 | 7.83 | |
| 80 08 25 0945 | | | .3 | 1 | 244 | 375 | 1.1 | 6.3 | 8.25 | |
| 80 09 25 1030 | | | .3 | 1 | 274 | 425 | 1.1 | 7.9 | 8.20 | |
| 80 10 20 1130 | | | .3 | 1 | 363.0 | 570.0 | 1.30 | 10.500 | 8.28 | |
| 80 11 26 1149 | | | .3 | 1 | 318 | 510 | 1.1 | 8.35 | 8.28 | |
| 80 12 10 1147 | | | .3 | 1 | 252.0 | 420.0 | 2.90 | 6.650 | 8.00 | |
| MAXIMUM | | | | | 363.000 | 570.0 | 4.4 | 12.000 | 8.56 | 8.35 |
| ARITH MEAN | | | | | 279 | 406 | 2.0 | 7.7 | 8.11 | 8.32 |
| GEOM MEAN | | | | | 274 | 400 | 1.8 | 7.4 | 8.10 | 8.32 |
| MINIMUM | | | | | 189.000 | 280.0 | 0.80 | 4.900 | 7.82 | 8.30 |
| STD DEV | | | | | 50 | 75 | 1.0 | 2.1 | 0.24 | 0.04 |
| NO OF SAMPLES | | | | | 12 | 14 | 12 | 12 | 14 | 2 |

SAMPLE INFORMATION SYSTEM　　1980 WATER QUALITY DATA　　DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **GRAND RIVER**
SAMPLE POINT: **OLD HIGHWAY NO 8 FREEPORT**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-041-02**

STORET CODE: **02**
**093**
**0190**

LAT:　　LONG:　　U T M: **17 0547700.0 4807600.0 4**　　REGION: **02**　　DISTANCE: **162.539**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 14 0940 | | | .3 | 1 | 29031 | 6 | 14500C | 50000 | 410 | 1210 | 1.2 | 15.0 | 1.0 | 0.143 |
| 80 02 11 1330 | | | .3 | 1 | 29072 | 6 | 40 | 180 | 20 | 20 | 0.7 | 13.6 | 0.8 | 0.061 |
| 80 03 04 0930 | | | .3 | 1 | 29113 | 4 | 410 | 1900 | 32 | 24 | 0.9 | 13.4 | 1.0 | 0.063 |
| 80 04 02 1215 | | | .3 | 1 | 29154 | 3 6 | 2700C | 6700 | | 290 | 3.2 | 12.0 | 2.2 | 0.233 |
| 80 05 14 0910 | | | .3 | 1 | 29195 | 6 | 3800 | 15000 | 470 | 320 | 11.0 | 9.3 | 1.4 | 0.060 |
| 80 06 03 1010 | | | .3 | 1 | 29236 | 3 | 6100C | 47000 | 880 | 880 | 16.0 | 7.8 | 1.4 | 0.088 |
| 80 07 08 1135 | | | .3 | 1 | 29277 | 6 | 100I | 25500 | 20< | 20I | 22.0 | 10.9 | 1.2 | 0.058 |
| 80 07 09 1700 | | | .3 | 1 | 80137 | 6 | | | | | 23.5 | 8.7 | | 0.049 |
| 80 07 10 0305 | | | .3 | 1 | 80136 | 6 | | | | | 21.0 | 6.1 | | 0.079 |
| 80 08 06 0915 | | | .3 | 1 | 29318 | 5 | 5500 | 9000 | 140I | 180 | 21.5 | 7.0 | 1.6 | 0.125 |
| 80 09 17 0900 | | | .3 | 1 | 29359 | 6 | 850> | 26000 | 100 | 130 | 17.5 | | 2.0 | 0.060 |
| 80 10 23 1140 | | | .3 | 1 | 29400 | 6 | 1050 | 4500 | 20I | 40I | 7.0 | 12.0 | 1.4 | 0.052 |
| 80 11 19 0953 | | | .3 | 1 | 29441 | 6 | 100C | 22000 | 30I | 10< | 1.0 | 14.1 | 1.0 | 0.024 |
| 80 12 17 0933 | | | .3 | 1 | 29482 | 6 | 2580C | 4200 | 110 | 180 | 0.1 | 14.1 | 2.7 | 0.038 |
| MAXIMUM | | | | | | | 14500> | 50000 | 880 | 1210 | 23.5 | 15.0 | 2.7 | 0.233 |
| ARITH MEAN | | | | | | | 3144G | 17665 | 203L | 275L | 10.5 | 11.1 | 1.5 | 0.081 |
| GEOM MEAN | | | | | | | 1054G | 8746 | 86L | 104L | 4.5 | 10.7 | 1.4 | 0.069 |
| MINIMUM | | | | | | | 40 | 180 | 20< | 10< | 0.1 | 6.1 | 0.8 | 0.024 |
| STD DEV | | | | | | | 4150G | 16908 | 275L | 381L | 9.4 | 3.0 | 0.6 | 0.054 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 11 | 12 | 14 | 13 | 12 | 14 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 14 0940 | | | .3 | 1 | 0.067 | 0.264 | 1.150 | 0.038 | 4.360 | 4.662 | 0.886 | 5.548 | 377.0 | 25.0 |
| 80 02 11 1330 | | | .3 | 1 | 0.033 | 0.350 | 1.050 | 0.054 | 2.800 | 3.204 | 0.700 | 3.904 | 390.0 | 3.0 |
| 80 03 04 0930 | | | .3 | 1 | 0.037 | 0.390 | 1.080 | 0.130 | 2.970 | 3.490 | 0.690 | 4.180 | 425.0 | 2.0 |
| 80 04 02 1215 | | | .3 | 1 | 0.083 | 0.410 | 1.250 | 0.045 | 2.290 | 2.745 | 0.840 | 3.585 | 279.0 | 58.0 |
| 80 05 14 0910 | | | .3 | 1 | 0.005 | 0.048 | 0.800 | 0.054 | 1.800 | 1.902 | 0.752 | 2.654 | 363.0 | 13.0 |
| 80 06 03 1010 | | | .3 | 1 | 0.005 | 0.102 | 1.050 | 0.081 | 1.970 | 2.153 | 0.948 | 3.101 | 375.0 | 18.0 |
| 80 07 08 1135 | | | .3 | 1 | 0.009 | 0.058 | 0.820 | 0.042 | 0.880 | 0.980 | 0.762 | 1.742 | 332.0 | 6.0 |
| 80 07 09 1700 | | | .3 | 1 | 0.006 | 0.052 | 0.760 | 0.025 | 1.130 | 1.207 | 0.708 | 1.915 | | |
| 80 07 10 0305 | | | .3 | 1 | 0.009 | 0.070 | 0.940 | 0.039 | 1.410 | 1.519 | 0.870 | 2.389 | | |
| 80 08 06 0915 | | | .3 | 1 | 0.023 | 0.020 | 1.050 | 0.016 | 0.870 | 0.906 | 1.030 | 1.936 | 325.0 | 39.0 |
| 80 09 17 0900 | | | .3 | 1 | 0.004 | 0.106 | 0.920 | 0.155 | 0.850 | 1.111 | 0.814 | 1.925 | 317.0 | 14.0 |
| 80 10 23 1140 | | | .3 | 1 | 0.013 | 0.050 | 0.820 | 0.016 | 1.630 | 1.696 | 0.770 | 2.466 | 310.0 | 6.0 |
| 80 11 19 0953 | | | .3 | 1 | 0.004 | 0.032 | 0.82 | 0.012 | 1.84 | 1.884 | 0.788 | 2.672 | 421 | 6 |
| 80 12 17 0933 | | | .3 | 1 | 0.019 | 0.190 | 1.420 | 0.019 | 3.190 | 3.399 | 1.230 | 4.629 | 435.0 | 8.0 |
| MAXIMUM | | | | | 0.083 | 0.410 | 1.420 | 0.155 | 4.360 | 4.662 | 1.230 | 5.548 | 435.0 | 58.0 |
| ARITH MEAN | | | | | 0.023 | 0.153 | 0.99 | 0.052 | 1.99 | 2.204 | 0.842 | 3.046 | 362 | 18 |
| GEOM MEAN | | | | | 0.014 | 0.100 | 0.97 | 0.039 | 1.76 | 1.950 | 0.831 | 2.867 | 359 | 10 |
| MINIMUM | | | | | 0.004 | 0.020 | 0.760 | 0.012 | 0.850 | 0.906 | 0.690 | 1.742 | 279.0 | 2.0 |
| STD DEV | | | | | 0.026 | 0.141 | 0.19 | 0.043 | 1.03 | 1.134 | 0.148 | 1.164 | 50 | 16 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 14 0940 | | | .3 | 1 | 352.0 | 520.0 | 18.00 | 20.000 | 7.94 | |
| 80 02 11 1330 | | | .3 | 1 | 387.0 | 590.0 | 2.10 | 31.500 | 7.91 | |
| 80 03 04 0930 | | | .3 | 1 | 423.0 | 670.0 | 2.20 | 41.500 | 7.94 | |
| 80 04 02 1215 | | | .3 | 1 | 221.000 | 340.0 | 32.00 | 13.500 | 7.93 | |
| 80 05 14 0910 | | | .3 | 1 | 350.0 | 495.0 | 17.00 | 31.500 | 8.18 | |
| 80 06 03 1010 | | | .3 | 1 | 357.0 | 500.0 | 8.20 | 31.000 | 8.18 | |
| 80 07 08 1135 | | | .3 | 1 | 326 | 500 | 4.2 | 31.0 | 8.42 | |
| 80 07 09 1700 | | | .3 | 1 | | 500.0 | | | 8.61 | 8.70 |
| 80 07 10 0305 | | | .3 | 1 | | 550.0 | | | 8.18 | 8.10 |
| 80 08 06 0915 | | | .3 | 1 | 286 | 450 | 13.0 | 18.0 | 8.17 | |
| 80 09 17 0900 | | | .3 | 1 | 303.0 | 470.0 | 3.50 | 25.500 | 8.08 | |
| 80 10 23 1140 | | | .3 | 1 | 304.0 | 540.0 | 3.50 | 24.000 | 8.51 | |
| 80 11 19 0953 | | | .3 | 1 | 415 | 600 | 1.8 | 30.5 | 8.50 | |
| 80 12 17 0933 | | | .3 | 1 | 427.0 | 650.0 | 4.80 | 25.500 | 8.26 | |
| MAXIMUM | | | | | 427.0 | 670.0 | 32.00 | 41.500 | 8.61 | 8.70 |
| ARITH MEAN | | | | | 346 | 526 | 9.1 | 26.9 | 8.20 | 8.40 |
| GEOM MEAN | | | | | 340 | 520 | 5.9 | 25.9 | 8.20 | 8.39 |
| MINIMUM | | | | | 221.000 | 340.0 | 1.8 | 13.500 | 7.91 | 8.10 |
| STD DEV | | | | | 62 | 84 | 9.2 | 7.5 | 0.23 | 0.42 |
| NO OF SAMPLES | | | | | 12 | 14 | 12 | 12 | 14 | 2 |

B.O.W./ SITE: **SPEED RIVER**
SAMPLE POINT: **AT WOODLAWN ROAD, GUELPH UL-2**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-043-02**
STORET CODE: **02**
**003**
**0150**

LAT: LONG: U T M: **17 0558890.0 4824130.0 4** REGION: **02** DISTANCE: **180.081**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 08 1045 | | | .3 | 1 | 29016 | 6 | 330 | 190 | 4 | 8 | 1.2 | 12.9 | 0.6 | 0.028 |
| 80 02 13 1025 | | | .3 | 1 | 29057 | 6 | 130 | 370 | 4< | 4< | 1.5 | 12.5 | 0.2 | 0.017 |
| 80 03 10 1020 | | | .3 | 1 | 29098 | 6 | 40I | 180 | 4< | 4< | 2.5 | 14.3 | 0.4 | 0.003 |
| 80 03 21 1045 | | | .3 | 1 | 29999 | 3 | 9100C | 41000 | 100 | 1400 | 1.0 | 12.5 | 4.6 | 0.328 |
| 80 04 01 1330 | | | .3 | 1 | 29139 | 3 6 | 1540C | 18000 | | 90I | 2.0 | 16.1 | 0.6 | 0.102 |
| 80 05 29 0955 | | | .3 | 1 | 29180 | 6 | 2020C | 9200 | 50I | 650 | 16.0 | 10.4 | 1.4 | 0.031 |
| 80 06 18 1025 | | | .3 | 1 | 29221 | 6 | 1150 | 11850 | 20I | 30I | 14.0 | 11.2 | 0.8 | 0.019 |
| 80 07 08 1645 | | | .3 | 1 | 80099 | 8 | | | | | 26.5 | 9.9 | | 0.023 |
| 60 07 09 0240 | | | .3 | 1 | 80098 | 8 | | | | | 18.8 | 5.5 | | 0.023 |
| 80 07 21 1130 | | | .3 | 1 | 29262 | 8 6 | 550 | 10500 | 120 | 40I | 19.0 | 11.2 | 0.2 | 0.014 |
| 80 08 18 1030 | | | .3 | 1 | 29303 | 6 7 | 1000C | 23000 | 220 | 150 | 18.5 | 7.2 | 1.2 | 0.021 |
| 80 09 24 1040 | | | .3 | 1 | 29344 | 6 | 2100 | 8900 | 480 | 220 | 15.0 | 9.5 | 1.6 | 0.028 |
| 80 10 20 1000 | | | .3 | 1 | 29385 | 6 | 700 | 2000 | 20I | 30I | 9.0 | 12.0 | 1.2 | 0.037 |
| 80 11 26 0958 | | | .3 | 1 | 29426 | 6 | 56 | 640 | 8 | 8 | 1.2 | 13.6 | 1.2 | 0.021 |
| 80 12 10 1007 | | | .3 | 1 | 29467 | 6 3 | 880C | 4500 | 72 | 76 | 1.0 | 13.5 | 0.6 | 0.025 |
| **MAXIMUM** | | | | | | | **9100** | **41000** | **480** | **1400** | **26.5** | **16.1** | **4.6** | **0.328** |
| **ARITH MEAN** | | | | | | | **1507** | **10025** | **92L** | **208L** | **9.8** | **11.5** | **1.1** | **0.048** |
| **GEOM MEAN** | | | | | | | **625** | **3517** | **31L** | **46L** | **5.2** | **11.1** | **0.8** | **0.027** |
| **MINIMUM** | | | | | | | **40** | **180** | **4<** | **4<** | **1.0** | **5.5** | **0.2** | **0.003** |
| **STD DEV** | | | | | | | **2383** | **11786** | **138L** | **399L** | **8.8** | **2.7** | **1.1** | **0.081** |
| **NO OF SAMPLES** | | | | | | | **13** | **13** | **12** | **13** | **15** | **15** | **13** | **15** |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 08 1045 | | | .3 | 1 | 0.001< | 0.076 | 0.680 | 0.013 | 1.690 | 1.779 | 0.604 | 2.383 | 362.0 | 3.0 |
| 80 02 13 1025 | | | .3 | 1 | 0.001 | 0.074 | 0.630 | 0.013 | 2.290 | 2.377 | 0.556 | 2.933 | 347.0 | 2.0 |
| 80 03 10 1020 | | | .3 | 1 | 0.001< | 0.090 | 0.650 | 0.016 | 2.280 | 2.386 | 0.560 | 2.946 | 347.0 | 3.0 |
| 80 03 21 1045 | | | .3 | 1 | 0.075 | 0.450 | 1.950 | 0.035 | 1.560 | 2.045 | 1.500 | 3.545 | 295.0 | 110.0 |
| 80 04 01 1330 | | | .3 | 1 | 0.039 | 0.340 | 1.120 | 0.022 | 1.730 | 2.092 | 0.780 | 2.872 | 284.0 | 53.0 |
| 80 05 29 0955 | | | .3 | 1 | 0.002 | 0.092 | 0.760 | 0.020 | 0.875 | 0.987 | 0.668 | 1.655 | 274.0 | 4.0 |
| 80 06 18 1025 | | | .3 | 1 | 0.007 | 0.016 | 0.570 | 0.020 | 0.750 | 0.786 | 0.554 | 1.340 | 278.0 | 2.0 |
| 80 07 08 1645 | | | .3 | 1 | 0.001 | 0.020 | 0.710 | 0.012 | 0.573 | 0.605 | 0.690 | 1.295 | | |
| 80 07 09 0240 | | | .3 | 1 | 0.001 | 0.036 | 0.600 | 0.017 | 0.648 | 0.701 | 0.564 | 1.265 | | |
| 80 07 21 1130 | | | .3 | 1 | 0.001 | 0.092 | 0.700 | 0.050 | 0.635 | 0.777 | 0.608 | 1.385 | 275.0 | 2.0 |
| 80 08 18 1030 | | | .3 | 1 | 0.002 | 0.138 | 0.890 | 0.068 | 0.293 | 0.499 | 0.752 | 1.251 | 280.0 | 7.0 |
| 80 09 24 1040 | | | .3 | 1 | 0.005 | 0.058 | 0.750 | 0.029 | 0.041 | 0.128 | 0.692 | 0.820 | 263.0 | 9.0 |
| 80 10 20 1000 | | | .3 | 1 | 0.005 | 0.070 | 0.780 | 0.027 | 0.208 | 0.305 | 0.710 | 1.015 | 269.0 | 6.0 |
| 80 11 26 0958 | | | .3 | 1 | 0.001 | 0.054 | 0.67 | 0.007 | 0.400 | 0.461 | 0.616 | 1.077 | 317 | 5 |
| 80 12 10 1007 | | | .3 | 1 | 0.002 | 0.064 | 0.310 | 0.011 | 0.744 | 0.819 | 0.246 | 1.065 | 301.0 | 11.0 |
| **MAXIMUM** | | | | | **0.075** | **0.450** | **1.950** | **0.068** | **2.290** | **2.386** | **1.500** | **3.545** | **362.0** | **110.0** |
| **ARITH MEAN** | | | | | **0.010L** | **0.111** | **0.78** | **0.024** | **0.981** | **1.116** | **0.673** | **1.790** | **299** | **16** |
| **GEOM MEAN** | | | | | **0.003L** | **0.075** | **0.72** | **0.020** | **0.675** | **0.846** | **0.634** | **1.609** | **297** | **6** |
| **MINIMUM** | | | | | **0.001<** | **0.016** | **0.310** | **0.007** | **0.041** | **0.128** | **0.246** | **0.820** | **263.0** | **2.0** |
| **STD DEV** | | | | | **0.020L** | **0.121** | **0.38** | **0.016** | **0.737** | **0.787** | **0.261** | **0.887** | **33** | **31** |
| **NO OF SAMPLES** | | | | | **15** | **15** | **15** | **15** | **15** | **15** | **15** | **15** | **13** | **13** |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH | HGUT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | MERCURY UNF.TOT UG/L AS HG |
| 80 01 08 1045 | | | .3 | 1 | 359.0 | 520.0 | 2.40 | 18.500 | 8.13 | | |
| 80 02 13 1025 | | | .3 | 1 | 345.0 | 520.0 | 2.30 | 17.000 | 8.03 | | 0.020< |
| 80 03 10 1020 | | | .3 | 1 | 344.0 | 520.0 | 2.10 | 18.000 | 8.02 | | |
| 80 03 21 1045 | | | .3 | 1 | 185.000 | 285.0 | 41.00 | 14.500 | 7.62 | | |
| 80 04 01 1330 | | | .3 | 1 | 231.000 | 355.0 | 5.10 | 12.000 | 7.91 | | |
| 80 05 29 0955 | | | .3 | 1 | 270.000 | 415.0 | 1.30 | 15.500 | 8.28 | | |
| 80 06 18 1025 | | | .3 | 1 | 276.000 | 425.0 | 1.30 | 16.000 | 8.27 | | |
| 80 07 08 1645 | | | .3 | 1 | | 380.0 | | | 8.81 | 8.65 | |
| 80 07 09 0240 | | | .3 | 1 | | 425.0 | | | 8.09 | 7.95 | |
| 80 07 21 1130 | | | .3 | 1 | 273.000 | 420.0 | 1.70 | 13.500 | 8.17 | | |
| 80 08 18 1030 | | | .3 | 1 | 273 | 420 | 2.1 | 13.0 | 7.93 | | |
| 80 09 24 1040 | | | .3 | 1 | 254 | 420 | 1.8 | 15.0 | 8.26 | | |
| 80 10 20 1000 | | | .3 | 1 | 263.0 | 435.0 | 2.00 | 15.000 | 8.36 | | |
| 80 11 26 0958 | | | .3 | 1 | 312 | 465 | 1.5 | 15.5 | 8.35 | | |
| 80 12 10 1007 | | | .3 | 1 | 290.0 | 490.0 | 3.10 | 17.000 | 8.25 | | |
| **MAXIMUM** | | | | | **359.0** | **520.0** | **41.00** | **18.500** | **8.81** | **8.65** | **0.020** |
| **ARITH MEAN** | | | | | **282** | **433** | **5.2** | **15.4** | **8.17** | **8.30** | **0.020L** |
| **GEOM MEAN** | | | | | **278** | **428** | **2.6** | **15.3** | **8.16** | **8.29** | |
| **MINIMUM** | | | | | **185.000** | **285.0** | **1.30** | **12.000** | **7.62** | **7.95** | **0.020<** |
| **STD DEV** | | | | | **48** | **64** | **10.8** | **1.9** | **0.27** | **0.49** | |
| **NO OF SAMPLES** | | | | | **13** | **15** | **13** | **13** | **15** | **2** | **1** |

B.O.W./ SITE: **FAIRCHILD CREEK**
SAMPLE POINT: **FIRST CONC DOWNSTREAM FROM ST GEORGE**
STATION TYPE: **RIVER FLOW GAUGE FED 02GB007**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-044-02**
STORET CODE: **02**
**003**
**0150**

LAT: LONG: U T M: **17 0561450.0 4786500.0 4** REGION: **02** DISTANCE: **107.501**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 07 0950 | | | .3 | 1 | 29000 | 6 | 1.940 | 1600 | 3500 | 140 | 340 | 1.5 | 11.6 | 0.6 |
| 80 02 05 1505 | | | .3 | 1 | 29041 | 6 | 0.760 | 1900 | 2700 | 70I | 40I | 1.0 | 11.8 | 0.6 |
| 80 03 12 0925 | | | .3 | 1 | 29082 | 6 3 | 1.230 | 2800C | 14000 | 380 | 1500> | 0.5 | 13.0 | 2.6 |
| 80 04 16 1340 | | | .3 | 1 | 29123 | 3 6 | 30.700 | 1500C | 9000 | 80I | 3000> | 3.0 | 11.7 | 0.6 |
| 80 05 13 0900 | | | .3 | 1 | 29164 | 6 | 2.800 | 3300 | 11000 | 420 | 800I | 13.0 | 8.3 | 0.8 |
| 80 06 10 0916 | | | .3 | 1 | 29205 | 6 | 1.840 | 3300C | 25500 | 300 | 180I | 12.0 | 9.4 | 1.4 |
| 80 07 10 1955 | | | .3 | 1 | 80171 | 6 | 0.553 | | | | | 23.0 | 6.6 | |
| 80 07 11 0445 | | | .3 | 1 | 80170 | 6 | 0.526 | | | | | 22.0 | 5.1 | |
| 80 07 16 0930 | | | .3 | 1 | 29246 | 6 | 0.490 | 270000 | 60000 | 1700 | 200 | 21.0 | 7.7 | 3.6 |
| 80 08 12 0945 | | | .3 | 1 | 29287 | 6 | 0.601 | 2000 | 6500 | 1500 | 2300 | 19.5 | 8.8 | 1.0 |
| 80 09 04 0905 | | | .3 | 1 | 29328 | 6 | 1.210 | 8000< | 100000 | 1050 | 2000 | 18.0 | 8.5 | 1.4 |
| 80 10 27 1005 | | | .3 | 1 | 29369 | 6 | 2.690 | 10000 | 120000 | 1100 | 3200 | 6.0 | 11.6 | 0.8 |
| 80 11 20 0940 | | | .3 | 1 | 29410 | 6 | 1.230 | 5000I | 6000 | 500 | 100I | 1.8 | 11.8 | 1.0 |
| 80 12 16 0926 | | | .3 | 1 | 29451 | 6 | 1.800 | 6500C | 33000 | 240 | 180I | 0.1 | 13.4 | 0.8 |
| MAXIMUM | | | | | | | 30.700 | 270000 | 120000 | 1700 | 3200> | 23.0 | 13.4 | 3.6 |
| ARITH MEAN | | | | | | | 3.455 | 26325L | 32600 | 623 | 1153G | 10.2 | 9.9 | 1.3 |
| GEOM MEAN | | | | | | | 1.447 | 4908L | 16127 | 392 | 528G | 4.5 | 9.6 | 1.1 |
| MINIMUM | | | | | | | 0.490 | 1500< | 2700 | 70 | 40 | 0.1 | 5.1 | 0.6 |
| STD DEV | | | | | | | 7.879 | 76786L | 39866 | 567 | 1194G | 9.1 | 2.5 | 0.9 |
| NO OF SAMPLES | | | | | | | 14 | 12 | 12 | 12 | 12 | 14 | 14 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 07 0950 | | | .3 | 1 | 0.067 | 0.038 | 0.104 | 0.540 | 0.019 | 3.580 | 3.703 | 0.436 | 4.139 | 473.0 |
| 80 02 05 1505 | | | .3 | 1 | 0.073 | 0.042 | 0.430 | 0.830 | 0.023 | 3.590 | 4.043 | 0.400 | 4.443 | 511.0 |
| 80 03 12 0925 | | | .3 | 1 | 0.120 | 0.059 | 0.590 | 1.680 | 0.031 | 2.370 | 2.991 | 1.090 | 4.081 | 455.0 |
| 80 04 16 1340 | | | .3 | 1 | 0.132 | 0.038 | 0.042 | 0.750 | 0.018 | 2.230 | 2.290 | 0.708 | 2.998 | 375.0 |
| 80 05 13 0900 | | | .3 | 1 | 0.093 | 0.043 | 0.106 | 0.690 | 0.030 | 1.320 | 1.456 | 0.584 | 2.040 | 404.0 |
| 80 06 10 0916 | | | .3 | 1 | 0.084 | 0.032 | 0.064 | 0.720 | 0.030 | 1.370 | 1.464 | 0.656 | 2.120 | 454.0 |
| 80 07 10 1955 | | | .3 | 1 | 0.127 | 0.068 | 0.044 | 0.540 | 0.040 | 1.660 | 1.744 | 0.496 | 2.240 | |
| 80 07 11 0445 | | | .3 | 1 | 0.182 | 0.093 | 0.068 | 0.580 | 0.057 | 1.300 | 1.425 | 0.512 | 1.937 | |
| 80 07 16 0930 | | | .3 | 1 | 0.180 | 0.016 | 0.230 | 1.350 | 0.032 | 1.070 | 1.332 | 1.120 | 2.452 | 417.0 |
| 80 08 12 0945 | | | .3 | 1 | 0.099 | 0.058 | 0.033 | 0.530 | 0.026 | 1.470 | 1.529 | 0.497 | 2.026 | 445.0 |
| 80 09 04 0905 | | | .3 | 1 | 0.144 | 0.073 | 0.078 | 0.890 | 0.056 | 2.390 | 2.524 | 0.812 | 3.336 | 394.0 |
| 80 10 27 1005 | | | .3 | 1 | 0.088 | 0.049 | 0.056 | 0.750 | 0.023 | 2.930 | 3.009 | 0.694 | 3.703 | 478.0 |
| 80 11 20 0940 | | | .3 | 1 | 0.038 | 0.018 | 0.030 | 0.44 | 0.010 | 2.04 | 2.080 | 0.410 | 2.490 | 519 |
| 80 12 16 0926 | | | .3 | 1 | 0.085 | 0.020 | 0.050 | 0.650 | 0.015 | 3.230 | 3.295 | 0.600 | 3.895 | 554.0 |
| MAXIMUM | | | | | 0.182 | 0.093 | 0.590 | 1.680 | 0.057 | 3.590 | 4.043 | 1.120 | 4.443 | 554.0 |
| ARITH MEAN | | | | | 0.108 | 0.046 | 0.137 | 0.78 | 0.029 | 2.18 | 2.349 | 0.644 | 2.993 | 456 |
| GEOM MEAN | | | | | 0.100 | 0.041 | 0.086 | 0.72 | 0.028 | 2.02 | 2.186 | 0.611 | 2.865 | 453 |
| MINIMUM | | | | | 0.038 | 0.016 | 0.030 | 0.44 | 0.010 | 1.070 | 1.332 | 0.400 | 1.937 | 375.0 |
| STD DEV | | | | | 0.042 | 0.022 | 0.160 | 0.34 | 0.014 | 0.87 | 0.922 | 0.229 | 0.914 | 54 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | PH FIELD |
| 80 01 07 0950 | | | .3 | 1 | 9.0 | 464.0 | 730.0 | 6.00 | 23.500 | | 8.03 | |
| 80 02 05 1505 | | | .3 | 1 | 8.0 | 503.0 | 770.0 | 5.60 | 23.500 | | 8.04 | |
| 80 03 12 0925 | | | .3 | 1 | 14.0 | 441.0 | 620.0 | 9.70 | 29.500 | | 7.92 | |
| 80 04 16 1340 | | | .3 | 1 | 68.0 | 307.0 | 490.0 | 32.00 | 16.500 | | 8.04 | |
| 80 05 13 0900 | | | .3 | 1 | 17.0 | 387.0 | 600.0 | 6.60 | 22.000 | | 8.16 | |
| 80 06 10 0916 | | | .3 | 1 | 19.0 | 435.0 | 650.0 | 4.30 | 20.000 | 53.500 | 8.26 | |
| 80 07 10 1955 | | | .3 | 1 | | | 600.0 | | | | 8.14 | 7.70 |
| 80 07 11 0445 | | | .3 | 1 | | | 600.0 | | | | 8.00 | 7.90 |
| 80 07 16 0930 | | | .3 | 1 | 16.0 | 401 | 550 | 7.6 | 18.0 | | 8.05 | |
| 80 08 12 0945 | | | .3 | 1 | 10.0 | 435 | 600 | 4.3 | 19.5 | | 8.14 | |
| 80 09 04 0905 | | | .3 | 1 | 26.0 | 368.0 | 600.0 | 7.50 | 18.500 | | 8.08 | |
| 80 10 27 1005 | | | .3 | 1 | 9.0 | 469.0 | 700.0 | 7.00 | 26.000 | | 8.02 | |
| 80 11 20 0940 | | | .3 | 1 | 10 | 509 | 730 | 2.9 | 24.5 | | 8.21 | |
| 80 12 16 0926 | | | .3 | 1 | 38.0 | 516.0 | 800.0 | 5.20 | 26.500 | | 8.09 | |
| MAXIMUM | | | | | 68.0 | 516.0 | 800.0 | 32.00 | 29.500 | 53.500 | 8.26 | 7.90 |
| ARITH MEAN | | | | | 20 | 436 | 645 | 8.2 | 22.3 | 53.500 | 8.08 | 7.80 |
| GEOM MEAN | | | | | 16 | 431 | 640 | 6.6 | 22.0 | | 8.08 | 7.80 |
| MINIMUM | | | | | 8.0 | 307.0 | 490.0 | 2.9 | 16.500 | 53.500 | 7.92 | 7.70 |
| STD DEV | | | | | 17 | 62 | 88 | 7.7 | 3.9 | | 0.09 | 0.14 |
| NO OF SAMPLES | | | | | 12 | 12 | 14 | 12 | 12 | 1 | 14 | 2 |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

| | | |
|---|---|---|
| B.O.W./SITE **NITH RIVER**<br>SAMPLE POINT **FIRST CONC DOWNSTREAM FROM WELLESLY**<br>STATION TYPE **RIVER** | MAJOR BASIN **GREAT LAKES**<br>MINOR BASIN **LAKE ERIE**<br>TERM STREAM **GRAND RIVER** | STATION ID **16-0184-045-02**<br>STORET CODE **02**<br>**003**<br>**0150** |
| LAT LONG | U.T.M. **17 0521050.0 4811250.0 4** | REGION **02** DISTANCE **238.835** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 14 1100 | | | 3 | 1 | 29034 | 4 | 4000I | 84000 | 1260 | 1920 | 1.7 | 12.9 | 1.4 | 0.230 |
| 80 02 11 1100 | | | 3 | 1 | 29075 | 4 6 | 300 | 1500 | 60 | 20< | 0.7 | 12.9 | 0.6 | 0.073 |
| 80 03 04 1045 | | | 3 | 1 | 29116 | 4 | 1340 | 3600 | 20I | 20I | 0.5 | 12.0 | 1.4 | 0.084 |
| 80 04 02 1020 | | | 3 | 1 | 29157 | 3 6 | 1180 | 4500 | | 1500> | 3.0 | 11.6 | 0.6 | 0.116 |
| 80 05 14 1050 | | | 3 | 1 | 29198 | 6 | 1920 | 28000 | 1120 | 6900 | 11.5 | 10.1 | 1.0 | 0.062 |
| 80 06 03 1130 | | | 3 | 1 | 29239 | 3 | 19000 | 100000 | 8200 | 3000 | 17.0 | 8.7 | 1.2 | 0.067 |
| 80 07 08 1300 | | | 3 | 1 | 29280 | 6 | 200I | 19000 | 50I | 30I | 23.5 | 9.9 | 1.2 | 0.048 |
| 80 07 10 1220 | | | 3 | 1 | 80145 | 7 | | | | | 24.5 | 7.3 | | 0.054 |
| 80 07 11 0045 | | | 3 | 1 | 80144 | 7 | | | | | 24.8 | 5.2 | | 0.066 |
| 80 08 06 1015 | | | 3 | 1 | 29321 | 5 | 1200 | 22000 | 120I | 20I | 22.0 | 6.7 | 1.2 | 0.055 |
| 80 09 17 1115 | | | 3 | 1 | 29362 | 6 | 1200> | 36000 | 390 | 290 | 16.0 | 7.9 | 1.4 | 0.041 |
| 80 10 23 1250 | | | 3 | 1 | 29403 | 6 | 500I | 17000 | 90I | 110 | 6.5 | 12.2 | 1.4 | 0.054 |
| 80 11 19 1100 | | | 3 | 1 | 29444 | 6 | 280 | 5000 | 70I | 20I | 0.4 | 14.9 | 2.0 | 0.029 |
| 80 12 17 1045 | | | 3 | 1 | 29485 | 6 | 2360C | 5000 | 60I | 10< | 0.1 | 12.6 | 0.5 | 0.057 |
| MAXIMUM | | | | | | | 19000> | 100000 | 8200 | 6900> | 24.8 | 14.9 | 2.0 | 0.230 |
| ARITH MEAN | | | | | | | 2790G | 27133 | 1040 | 1153B | 10.9 | 10.3 | 1.2 | 0.074 |
| GEOM MEAN | | | | | | | 1170G | 13497 | 191 | 1468 | 4.2 | 9.9 | 1.1 | 0.065 |
| MINIMUM | | | | | | | 200 | 1600 | 20 | 10< | 0.1 | 5.2 | 0.5 | 0.029 |
| STD DEV | | | | | | | 5217G | 32363 | 2418 | 2080B | 10.1 | 2.8 | 0.4 | 0.049 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 11 | 12 | 14 | 14 | 12 | 14 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 14 1100 | | | 3 | 1 | 0.165 | 0.320 | 1.380 | 0.037 | 4.410 | 4.767 | 1.060 | 5.827 | 314.0 | 11.0 |
| 80 02 11 1100 | | | 3 | 1 | 0.039 | 0.162 | 0.670 | 0.023 | 4.480 | 4.665 | 0.508 | 5.173 | 420.0 | 9.0 |
| 80 03 04 1045 | | | 3 | 1 | 0.037 | 0.570 | 1.310 | 0.040 | 4.110 | 4.720 | 0.740 | 5.460 | 486.0 | 5.0 |
| 80 04 02 1020 | | | 3 | 1 | 0.060 | 0.186 | 0.940 | 0.027 | 3.950 | 4.163 | 0.754 | 4.917 | 297.0 | 14.0 |
| 80 05 14 1050 | | | 3 | 1 | 0.005 | 0.050 | 0.790 | 0.029 | 1.870 | 1.949 | 0.740 | 2.689 | 362.0 | 12.0 |
| 80 06 03 1130 | | | 3 | 1 | 0.010 | 0.070 | 0.830 | 0.038 | 2.610 | 2.718 | 0.760 | 3.478 | 378.0 | 20.0 |
| 80 07 08 1300 | | | 3 | 1 | 0.003 | 0.050 | 0.750 | 0.055 | 3.390 | 3.495 | 0.700 | 4.195 | 369.0 | 11.0 |
| 80 07 10 1220 | | | 3 | 1 | 0.006 | 0.102 | 0.890 | 0.068 | 2.830 | 3.000 | 0.788 | 3.788 | | |
| 80 07 11 0045 | | | 3 | 1 | 0.013 | 0.082 | 0.790 | 0.058 | 2.690 | 2.830 | 0.708 | 3.538 | | |
| 80 08 06 1015 | | | 3 | 1 | 0.007 | 0.040 | 0.680 | 0.028 | 1.620 | 1.688 | 0.640 | 2.328 | 316.0 | 16.0 |
| 80 09 17 1115 | | | 3 | 1 | 0.004 | 0.024 | 0.500 | 0.011 | 0.990 | 1.025 | 0.476 | 1.501 | 303.0 | 14.0 |
| 80 10 23 1250 | | | 3 | 1 | 0.013 | 0.044 | 0.880 | 0.040 | 4.660 | 4.744 | 0.836 | 5.580 | 439.0 | 7.0 |
| 80 11 19 1100 | | | 3 | 1 | 0.012 | 0.014 | 0.62 | 0.015 | 5.0 | 5.029 | 0.606 | 5.635 | 435 | 6 |
| 80 12 17 1045 | | | 3 | 1 | 0.049 | 0.112 | 0.790 | 0.028 | 8.000 | 8.140 | 0.678 | 8.818 | 453.0 | 4.0 |
| MAXIMUM | | | | | 0.165 | 0.570 | 1.380 | 0.068 | 8.000 | 8.140 | 1.060 | 8.818 | 486.0 | 20.0 |
| ARITH MEAN | | | | | 0.030 | 0.130 | 0.84 | 0.035 | 3.6 | 3.781 | 0.714 | 4.495 | 381 | 10 |
| GEOM MEAN | | | | | 0.016 | 0.081 | 0.81 | 0.032 | 3.2 | 3.357 | 0.701 | 4.124 | 376 | 9 |
| MINIMUM | | | | | 0.003 | 0.014 | 0.500 | 0.011 | 0.990 | 1.025 | 0.476 | 1.501 | 297.0 | 4.0 |
| STD DEV | | | | | 0.043 | 0.160 | 0.24 | 0.016 | 1.7 | 1.804 | 0.142 | 1.839 | 64 | 4 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWFH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF REAC MG/L AS CL | PH | PH FIELD |
| 80 01 14 1100 | | | 3 | 1 | 303.0 | 430.0 | 24.00 | 15.500 | 7.82 | |
| 80 02 11 1100 | | | 3 | 1 | 411.0 | 640.0 | 6.50 | 17.500 | 7.92 | |
| 80 03 04 1045 | | | 3 | 1 | 481.0 | 730.0 | 4.30 | 29.000 | 7.80 | |
| 80 04 02 1020 | | | 3 | 1 | 283.000 | 435.0 | 5.90 | 12.500 | 8.04 | |
| 80 05 14 1050 | | | 3 | 1 | 350.0 | 500.0 | 8.50 | 17.000 | 8.26 | |
| 80 06 03 1130 | | | 3 | 1 | 358.0 | 490.0 | 19.00 | 16.000 | 8.22 | |
| 80 07 08 1300 | | | 3 | 1 | 358 | 500 | 9.5 | 20.0 | 8.28 | |
| 80 07 10 1220 | | | 3 | 1 | | 550.0 | | | 8.13 | 8.00 |
| 80 07 11 0045 | | | 3 | 1 | | 550.0 | | | 7.96 | 7.70 |
| 80 08 06 1015 | | | 3 | 1 | 300 | 485 | 13.0 | 19.0 | 8.16 | |
| 80 09 17 1115 | | | 3 | 1 | 289.0 | 460.0 | 6.50 | 15.500 | 8.09 | |
| 80 10 23 1250 | | | 3 | 1 | 432.0 | 680.0 | 5.80 | 41.500 | 8.34 | |
| 80 11 19 1100 | | | 3 | 1 | 429 | 650 | 3.4 | 31.5 | 8.39 | |
| 80 12 17 1045 | | | 3 | 1 | 449.0 | 700.0 | 3.60 | 23.000 | 7.99 | |
| MAXIMUM | | | | | 481.0 | 730.0 | 24.00 | 41.500 | 8.39 | 8.00 |
| ARITH MEAN | | | | | 370 | 557 | 9.1 | 21.6 | 8.10 | 7.85 |
| GEOM MEAN | | | | | 364 | 548 | 7.5 | 20.2 | 8.10 | 7.85 |
| MINIMUM | | | | | 283.000 | 430.0 | 3.4 | 12.500 | 7.80 | 7.70 |
| STD DEV | | | | | 88 | 102 | 6.4 | 8.4 | 0.19 | 0.21 |
| NO OF SAMPLES | | | | | 12 | 14 | 12 | 12 | 14 | 2 |

B.O.W./SITE: **CANAGAGIGUE CREEK**
SAMPLE POINT: **FIRST CONCESSION NORTH OF ELMIRA**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-051-02**
STORET CODE: **02**
**003**
**0190**

LAT: LONG: U T M: **17 0535475.0 4829125.0 4** REGION: **02** DISTANCE: **207.922**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 08 1430 | | .3 | 1 | 29028 | 6 | 900I | 1500 | 40I | 140I | 1.0 | 13.6 | 1.6 | 0.155 |
| 80 02 13 1445 | | .3 | 1 | 29069 | 6 4 | 440 | 1240 | 60 | 180 | 0.0 | 12.6 | 0.2 | 0.071 |
| 80 03 10 1510 | | .3 | 1 | 29110 | 4 6 | 940 | 3300 | 200 | 180 | 0.5 | 13.8 | 2.6 | 0.601 |
| 80 04 01 0950 | | .3 | 1 | 29151 | 3 6 | 1380C | 16000 | | 230 | 1.0 | 12.3 | 2.4 | 0.540 |
| 80 05 29 1420 | | .3 | 1 | 29192 | 9 | 1060C | 6800 | 450 | 180 | 13.0 | 7.2 | 2.6 | 0.156 |
| 80 06 23 1245 | | .3 | 1 | 29233 | 5 | 620C | 16000 | 290 | 50I | 20.0 | 9.8 | 1.2 | 0.082 |
| 80 07 09 1405 | | .3 | 1 | 80123 | 6 | | | | | 19.5 | 7.6 | | 0.067 |
| 80 07 10 0120 | | .3 | 1 | 80122 | 6 | | | | | 16.0 | 3.7 | | 0.075 |
| 80 07 29 1215 | | .3 | 1 | 29274 | 5 | 4100C | 56000 | 5500 | 1020 | 21.0 | 5.0 | 3.0 | 0.138 |
| 80 08 25 1150 | | .3 | 1 | 29315 | 6 | 1200C | 50000 | 350 | 260 | 21.5 | 8.9 | 3.2 | 0.073 |
| 80 09 25 1240 | | .3 | 1 | 29356 | 6 | 23000 | 160000 | 2800 | 1160 | 16.0 | 8.8 | 3.4 | 0.212 |
| 80 10 20 1325 | | .3 | 1 | 29397 | 6 | 1800 | 21000 | 750 | 1560 | 9.0 | 15.4 | 3.6 | 0.120 |
| 80 11 26 1420 | | .3 | 1 | 29438 | 6 | 130 | 1900 | 16 | 24 | 1.0 | 15.2 | 1.4 | 0.068 |
| 80 12 10 1406 | | .3 | 1 | 29479 | 6 3 | 950C | 7900 | 188 | 384 | 1.0 | 13.9 | 0.7 | 0.102 |
| MAXIMUM | | | | | | **23000** | **160000** | **5500** | **1560** | **21.5** | **15.4** | **3.6** | **0.601** |
| ARITH MEAN | | | | | | **3043** | **28470** | **968** | **447** | **10.0** | **10.6** | **2.2** | **0.175** |
| GEOM MEAN | | | | | | **1195** | **10348** | **278** | **243** | **4.7** | **9.8** | **1.7** | **0.130** |
| MINIMUM | | | | | | **130** | **1240** | **16** | **24** | **0.0** | **3.7** | **0.2** | **0.067** |
| STD DEV | | | | | | **6364** | **46316** | **1698** | **505** | **8.9** | **3.8** | **1.1** | **0.173** |
| NO OF SAMPLES | | | | | | **12** | **12** | **11** | **12** | **14** | **14** | **12** | **14** |

| TEST-NAME: | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 08 1430 | | 3 | 1 | 0.057 | 0.338 | 1.250 | 0.038 | 8.460 | 8.836 | 0.912 | 9.748 | 434.00 | 24.00 |
| 80 02 13 1445 | | 3 | 1 | 0.037 | 0.250 | 0.530 | 0.026 | 6.070 | 6.346 | 0.280 | 6.626 | 421.00 | 7.00 |
| 80 03 10 1510 | | .3 | 1 | 0.047 | 0.272 | 2.250 | 0.029 | 5.470 | 5.771 | 1.978 | 7.749 | 971.00 | 570.00 |
| 80 04 01 0950 | | 3 | 1 | 0.425 | 1.160 | 2.500 | 0.052 | 2.760 | 3.972 | 1.340 | 5.312 | 280.00 | 98.00 |
| 80 05 29 1420 | | 3 | 1 | 0.011 | 0.680 | 2.050 | 0.150 | 2.540 | 3.370 | 1.370 | 4.740 | 333.00 | 57.00 |
| 80 06 23 1245 | | .3 | 1 | 0.022 | 0.390 | 1.320 | 0.230 | 3.670 | 4.290 | 0.930 | 5.220 | 298.00 | 18.00 |
| 80 07 09 1405 | | 3 | 1 | 0.003 | 0.860 | 1.760 | 0.180 | 1.920 | 2.960 | 0.900 | 3.860 | | |
| 80 07 10 0120 | | 3 | 1 | 0.004 | 1.070 | 1.880 | 0.140 | 1.810 | 3.020 | 0.810 | 3.830 | | |
| 80 07 29 1215 | | 3 | 1 | 0.036 | 1.430 | 2.550 | 0.120 | 1.000 | 2.550 | 1.120 | 3.670 | 346.0 | 29.0 |
| 80 08 25 1150 | | 3 | 1 | 0.019 | 0.560 | 1.450 | 0.270 | 0.730 | 1.560 | 0.890 | 2.450 | 326.00 | 17.00 |
| 80 09 25 1240 | | 3 | 1 | 0.048 | 0.096 | 1.750 | 0.070 | 2.600 | 2.766 | 1.654 | 4.420 | 391.0 | 79.0 |
| 80 10 20 1325 | | 3 | 1 | 0.030 | 0.010 | 1.380 | 0.100 | 3.050 | 3.160 | 1.370 | 4.530 | 369.00 | 28.00 |
| 80 11 26 1420 | | 3 | 1 | 0.030 | 0.47 | 1.32 | 0.093 | 3.91 | 4.473 | 0.850 | 5.323 | 420 | 14 |
| 80 12 10 1406 | | 3 | 1 | 0.026 | 0.272 | 0.790 | 0.034 | 6.000 | 6.306 | 0.518 | 6.824 | 451.00 | 15.00 |
| MAXIMUM | | | | **0.425** | **1.430** | **2.550** | **0.270** | **8.460** | **8.836** | **1.978** | **9.748** | **971.00** | **570.00** |
| ARITH MEAN | | | | **0.057** | **0.56** | **1.62** | **0.109** | **3.57** | **4.241** | **1.066** | **5.307** | **420** | **79** |
| GEOM MEAN | | | | **0.027** | **0.36** | **1.50** | **0.084** | **2.92** | **3.880** | **0.987** | **5.016** | **386** | **33** |
| MINIMUM | | | | **0.003** | **0.010** | **0.530** | **0.026** | **0.730** | **1.560** | **0.280** | **2.450** | **280.00** | **7.00** |
| STD DEV | | | | **0.107** | **0.42** | **0.59** | **0.077** | **2.20** | **1.953** | **0.446** | **1.893** | **182** | **156** |
| NO OF SAMPLES | | | | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **14** | **12** | **12** |

| TEST-NAME: | | | | RSF | COND25 | TURB | CLIDUR | SSO4UR | ALKT | PH | FWPH | PHNOL | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE |
| 80 01 08 1430 | | .3 | 1 | 410.00 | 580.0 | 16.00 | 19.000 | 48.500 | 203 | 8.10 | | 1.000< | 0.980 |
| 80 02 13 1445 | | .3 | 1 | 414.00 | 680.0 | 5.60 | 18.000 | 68.000 | 249.0 | 7.96 | | 1.000< | 0.400 |
| 80 03 10 1510 | | .3 | 1 | 401.00 | 610.0 | 50.25 | 22.000 | 60.000 | 205.0 | 8.02 | | 1.000< | 12.000 |
| 80 04 01 0950 | | .3 | 1 | 172.000 | 265.0 | 88.00 | 8.150 | 18.500 | 94.0 | 7.83 | | 1.000< | 7.600 |
| 80 05 29 1420 | | .3 | 1 | 276.000 | 425.0 | 13.00 | 15.000 | 29.000 | 165 | 7.83 | | 7.000 | 2.800 |
| 80 06 23 1245 | | .3 | 1 | 280.000 | 430.0 | 13.00 | 16.000 | 36.500 | 163.0 | 8.27 | | 1.000< | 1.020 |
| 80 07 09 1405 | | .3 | 1 | | 450.0 | | | | | 7.95 | 8.15 | | |
| 80 07 10 0120 | | .3 | 1 | | 455.0 | | | | | 7.67 | 7.50 | | |
| 80 07 29 1215 | | .3 | 1 | 317 | 490 | 15.0 | 19.0 | 32.5 | 199 | 7.85 | | 1 < | 1.2 |
| 80 08 25 1150 | | .3 | 1 | 309.00 | 450.0 | 6.70 | 16.500 | 31.500 | 181.0 | 7.94 | | 1.000 | 0.810 |
| 80 09 25 1240 | | .3 | 1 | 312 | 500 | 41.0 | 19.0 | 38.5 | 193 | 7.95 | | 1 < | 3.400 |
| 80 10 20 1325 | | .3 | 1 | 341.00 | 540.0 | 19.00 | 20.500 | 43.000 | 216.0 | 8.58 | | 1.000< | 1.400 |
| 80 11 26 1420 | | .3 | 1 | 406 | 620 | 7.1 | 20.5 | 47.5 | 258 | 8.35 | | 1 < | 0.56 |
| 80 12 10 1406 | | .3 | 1 | 436.00 | 660.0 | 9.60 | 22.500 | 47.500 | 264.0 | 8.21 | | 10.000< | 0.780 |
| MAXIMUM | | | | **436.00** | **680.0** | **88.00** | **22.500** | **68.000** | **264.0** | **8.58** | **8.15** | **10.000** | **12.000** |
| ARITH MEAN | | | | **339** | **511** | **23.6** | **18.0** | **41.7** | **199** | **8.04** | **7.82** | **2 L** | **2.7** |
| GEOM MEAN | | | | **330** | **498** | **16.3** | **17.5** | **39.5** | **193** | **8.03** | **7.82** | **1 L** | **1.6** |
| MINIMUM | | | | **172.000** | **265.0** | **5.60** | **8.150** | **18.500** | **94.0** | **7.67** | **7.50** | **1.000<** | **0.400** |
| STD DEV | | | | **77** | **112** | **24.6** | **3.8** | **13.7** | **47** | **0.24** | **0.46** | **2 L** | **3.5** |
| NO OF SAMPLES | | | | **12** | **14** | **12** | **12** | **12** | **12** | **14** | **2** | **12** | **12** |

| TEST-NAME: | | | | CAUR | MGUR | COLAP | KKUR | NAUR | COD | ASUT | HGUT | ALUT | CRUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR |
| 80 01 08 1430 | | .3 | 1 | 82.000 | 20.000 | 45.000 | 3.40 | 7.700 | 30 | 0.001 | 4.400 | 1.200 | 0.020< |
| 80 02 13 1445 | | .3 | 1 | 87.000 | 26.000 | 12.000 | 2.05 | 12.000 | 0 | 0.002 | 0.020 | 0.230 | 0.030 |
| 80 03 10 1510 | | .3 | 1 | 84.000 | 22.000 | 18.000 | 2.20 | 23.000 | 10< | 0.001 | 0.020< | 2.800 | 0.020< |
| 80 04 01 0950 | | .3 | 1 | 37.000 | 6.500 | 58.000 | 5.00 | 4.600 | 58 | 0.002 | 2.500 | 7.300 | 0.020< |
| 80 05 29 1420 | | .3 | 1 | 52.000 | 17.500 | 70.000> | 3.65 | 6.100 | 14 | 0.002 | 3.500 | 0.090 | 0.020< |
| 80 06 23 1245 | | .3 | 1 | 54.000 | 19.000 | 29.000 | 3.25 | 6.100 | 26 | 0.001< | 0.040< | 0.770 | |
| 80 07 29 1215 | | .3 | 1 | 57 | 19.5 | 52 | 4.2 | 9.1 | 32 | 0.002 | | 0.960 | 0.020< |
| 80 08 25 1150 | | .3 | 1 | 53.000 | 19.000 | 30.000 | 3.70 | 8.600 | 28 | 0.002 | 4.700 | 0.520 | 0.001< |
| 80 09 25 1240 | | .3 | 1 | 55 | 19.0 | 31 | 4.75 | 8.5 | 12 | 0.001 | 1.700 | 2.000 | 0.002< |
| 80 10 20 1325 | | .3 | 1 | 64.000 | 21.500 | 35.000 | 4.20 | 9.600 | 27 | 0.001< | 0.040< | 0.87 | 0.003 |
| 80 11 26 1420 | | .3 | 1 | 79 | 25.5 | 25 | 3.65 | 9.6 | 16 | 0.001 | 0.06 < | 0.46 | 0.001< |
| 80 12 10 1406 | | .3 | 1 | 96.000 | 26.500 | 38.000 | 3.60 | 9.700 | 18 | 0.001< | 0.040< | 1.300 | 0.002 |
| MAXIMUM | | | | **96.000** | **26.500** | **70.000>** | **5.00** | **23.000** | **58** | **0.002** | **4.700** | **7.300** | **0.030** |
| ARITH MEAN | | | | **66** | **20.1** | **38 G** | **3.6** | **9.5** | **23L** | **0.001L** | **1.64 L** | **1.54** | **0.013L** |
| GEOM MEAN | | | | **64** | **19.2** | **33 G** | **3.5** | **8.8** | **17L** | **0.001L** | **0.28 L** | **0.87** | **0.007L** |
| MINIMUM | | | | **37.000** | **6.500** | **12.000** | **2.05** | **4.600** | **0<** | **0.001<** | **0.020<** | **0.090** | **0.001<** |
| STD DEV | | | | **18** | **5.2** | **18 G** | **0.8** | **4.6** | **16L** | **0.001L** | **1.91 L** | **1.98** | **0.011L** |
| NO OF SAMPLES | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **11** | **12** | **11** |

(CONTD)

BOW / SITE **CANAGAGIGUE CREEK**
SAMPLE POINT **FIRST CONCESSION NORTH OF ELMIRA**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ERIE**
TERM STREAM **GRAND RIVER**

STATION ID **16-0184-051-02**
STORET CODE **02**
**003**
**0150**

LAT LONG U T M **17 0535475.0 4829125.0 4** REGION **02** DISTANCE **287.922**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT | COUT |
| 80 01 08 1430 | | | 3 | 1 | 0.020< | 0.030< | 0.010 < | 0.070 | 0.102 | 0.020< | 0.020 < |
| 80 02 13 1445 | | | 3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< | 0.087 | 0.020< | 0.020 < |
| 80 03 10 1510 | | | 3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< | 1.180 | 0.020< | 0.020 < |
| 80 04 01 0950 | | | 3 | 1 | 0.010 | 0.030< | 0.006 | 0.030 | 0.135 | 0.020< | 0.020 < |
| 80 05 29 1420 | | | 3 | 1 | 0.010< | 0.040 | 0.005 < | 0.190 | 0.730 | 0.020 | 0.020 < |
| 80 06 23 1245 | | | 3 | 1 | 0.010< | 0.030< | 0.005 < | 0.010< | 0.186 | 0.020< | 0.020 < |
| 80 07 29 1215 | | | 3 | 1 | 0.010< | 0.030< | 0.005 < | 0.020 | 1.6 | 0.020< | 0.020 < |
| 80 08 25 1150 | | | 3 | 1 | 0.001< | 0.003< | 0.0002< | 0.003 | 0.525 | 0.002< | 0.004 |
| 80 09 25 1240 | | | 3 | 1 | 0.003 | 0.003< | 0.0005 | 0.016 | 0.342 | 0.002< | 0.002 < |
| 80 10 20 1325 | | | 3 | 1 | 0.005 | 0.003 | 0.0002< | 0.014 | 0.150 | 0.002< | 0.002 < |
| 80 11 26 1420 | | | 3 | 1 | 0.008 | 0.003< | 0.0002< | 0.014 | 0.078 | 0.003< | 0.0005< |
| 80 12 10 1406 | | | 3 | 1 | 0.005 | 0.005 | 0.0002< | 0.019 | 0.092 | 0.002< | 0.002 < |
| MAXIMUM | | | | | 0.020 | 0.040 | 0.010 | 0.190 | 1.6 | 0.020 | 0.020 |
| ARITH MEAN | | | | | 0.008L | 0.020L | 0.003 L | 0.034L | 0.4 | 0.013L | 0.012 L |
| GEOM MEAN | | | | | 0.007L | 0.012L | 0.001 L | 0.018L | 0.2 | 0.008L | 0.007 L |
| MINIMUM | | | | | 0.001< | 0.003< | 0.0002< | 0.003< | 0.078 | 0.002< | 0.0005< |
| STD DEV | | | | | 0.006L | 0.016L | 0.003 L | 0.052L | 0.4 | 0.009L | 0.009 L |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

BOW / SITE **CANAGAGIGUE CREEK**
SAMPLE POINT **AT COUNTY ROAD 11 FLORADALE**
STATION TYPE **RIVER FLOW GAUGE FED 02GA[illegible]**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ERIE**
TERM STREAM **GRAND RIVER**

STATION ID **16-0184-052-02**
STORET CODE **02**
**003**
**0150**

LAT LONG U T M **17 0533890.0 4831150.0 4** REGION **02** DISTANCE **218.818**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
| 80 01 08 1415 | | | 3 | 1 | 29027 | 6 | 0.035 | 400I | 1300 | 150 | 10I | 0.2 | 13.3 | 0.6 |
| 80 02 13 1425 | | | 3 | 1 | 29068 | 6 | 0.001 | 180 | 400 | 50 | 130 | 0.0 | 11.9 | 0.2 |
| 80 03 10 1455 | | | 3 | 1 | 29109 | 6 | 0.008 | 480 | 760 | 250 | 50I | 0.5 | 13.2 | 0.4 |
| 80 04 01 1000 | | | 3 | 1 | 29150 | 3 6 | 0.500 | 2280C | 16000 | | 1500 | 1.0 | 13.4 | 0.4 |
| 80 05 29 1410 | | | 3 | 1 | 29191 | 6 | 0.020 | 1380C | 6600 | 470 | 160I | 15.0 | 10.6 | 4.0 |
| 80 06 23 1210 | | | 3 | 1 | 29232 | 5 3 | 0.025 | 1000C | 16000 | 190 | 90I | 20.0 | 10.0 | 1.6 |
| 80 07 09 1355 | | | 3 | 1 | 80121 | 8 | 0.000 | | | | | 22.0 | 8.9 | |
| 80 07 10 0110 | | | 3 | 1 | 80120 | 8 | 0.000 | | | | | 21.0 | 8.9 | |
| 80 07 29 1205 | | | 3 | 1 | 29273 | 5 3 | 0.201 | 380000 | 420000 | 230000 | 110000 | 20.0 | 8.2 | 4.2 |
| 80 08 25 1140 | | | 3 | 1 | 29314 | 5 | 0.000 | 9000 | 620000 | 2200 | 1700 | 23.5 | 7.0 | 4.0 |
| 80 09 25 1230 | | | 3 | 1 | 29355 | 6 | 0.121 | 42000 | 120000 | 11700 | 3800 | 13.0 | 10.2 | 1.2 |
| 80 10 20 1315 | | | 3 | 1 | 29396 | 6 | 0.256 | 5200C | 35000 | 460 | 4100 | 8.0 | 12.1 | 1.2 |
| 80 11 26 1406 | | | 3 | 1 | 29437 | 6 | 0.070 | 540 | 2200 | 140 | 50I | 2.6 | 13.7 | 1.0 |
| 80 12 10 1354 | | | 3 | 1 | 29478 | 6 | 0.530 | 2300C | 28000 | 440 | 1200 | 1.0 | 13.8 | 0.2< |
| MAXIMUM | | | | | | | 0.530 | 380000 | 620000 | 230000 | 110000 | 23.5 | 13.8 | 4.2 |
| ARITH MEAN | | | | | | | 0.128 | 37083 | 105522 | 22368 | 10232 | 10.6 | 11.1 | 1.6L |
| GEOM MEAN | | | | | | | 0.103 | 2812 | 13733 | 723 | 800 | 4.8 | 10.9 | 1.0L |
| MINIMUM | | | | | | | 0.000 | 180 | 400 | 50 | 10 | 0.0 | 7.0 | 0.2< |
| STD DEV | | | | | | | 0.183 | 108628 | 200942 | 68848 | 31482 | 9.6 | 2.3 | 1.6L |
| NO OF SAMPLES | | | | | | | 14 | 12 | 12 | 11 | 12 | 14 | 14 | 12 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
| 80 01 08 1415 | | | 3 | 1 | 0.082 | 0.060 | 0.146 | 0.590 | 0.038 | 8.460 | 8.644 | 0.444 | 9.088 | 452.0 |
| 80 02 13 1425 | | | 3 | 1 | 0.093 | 0.067 | 0.134 | 0.430 | 0.021 | 5.680 | 5.835 | 0.296 | 6.131 | 403.0 |
| 80 03 10 1455 | | | 3 | 1 | 0.096 | 0.066 | 0.266 | 0.640 | 0.025 | 4.970 | 5.261 | 0.374 | 5.635 | 399.0 |
| 80 04 01 1000 | | | 3 | 1 | 0.111 | 0.053 | 0.288 | 0.950 | 0.031 | 4.770 | 5.089 | 0.662 | 5.751 | 314.0 |
| 80 05 29 1410 | | | 3 | 1 | 0.121 | 0.015 | 0.376 | 1.400 | 0.082 | 3.810 | 4.268 | 1.024 | 5.292 | 369.0 |
| 80 06 23 1210 | | | 3 | 1 | 0.062 | 0.001< | 0.032 | 0.900 | 0.104 | 2.950 | 3.086 | 0.868 | 3.954 | 361.0 |
| 80 07 09 1355 | | | 3 | 1 | 0.105 | 0.005 | 0.204 | 1.180 | 0.225 | 3.920 | 4.349 | 0.976 | 5.325 | |
| 80 07 10 0110 | | | 3 | 1 | 0.061 | 0.002 | 0.130 | 0.910 | 0.220 | 3.680 | 4.030 | 0.780 | 4.810 | |
| 80 07 29 1205 | | | 3 | 1 | 0.393 | 0.195 | 0.346 | 2.100 | 0.140 | 3.790 | 4.276 | 1.754 | 6.030 | 421.0 |
| 80 08 25 1140 | | | 3 | 1 | 0.185 | 0.008 | 0.116 | 1.900 | 0.079 | 1.120 | 1.315 | 1.784 | 3.099 | 333.0 |
| 80 09 25 1230 | | | 3 | 1 | 0.082 | 0.080 | 0.100 | 1.180 | 0.005 | 1.500 | 1.605 | 1.080 | 2.685 | 468.0 |
| 80 10 20 1315 | | | 3 | 1 | 0.142 | 0.069 | 0.060 | 1.020 | 0.220 | 5.980 | 6.260 | 0.960 | 7.220 | 454.0 |
| 80 11 26 1406 | | | 3 | 1 | 0.038 | 0.023 | 0.048 | 0.46 | 0.021 | 4.35 | 4.419 | 0.412 | 4.831 | 404 |
| 80 12 10 1354 | | | 3 | 1 | 0.080 | 0.048 | 0.090 | 1.170 | 0.027 | 9.000 | 9.117 | 1.080 | 10.197 | 432.0 |
| MAXIMUM | | | | | 0.393 | 0.195 | 0.376 | 2.100 | 0.225 | 9.000 | 9.117 | 1.784 | 10.197 | 468.0 |
| ARITH MEAN | | | | | 0.118 | 0.049L | 0.167 | 1.06 | 0.088 | 4.57 | 4.825 | 0.882 | 5.718 | 430 |
| GEOM MEAN | | | | | 0.100 | 0.024L | 0.132 | 0.95 | 0.064 | 4.00 | 4.288 | 0.782 | 5.388 | 398 |
| MINIMUM | | | | | 0.038 | 0.001< | 0.032 | 0.430 | 0.005 | 1.120 | 1.315 | 0.296 | 2.685 | 314.0 |
| STD DEV | | | | | 0.087 | 0.051L | 0.111 | 0.49 | 0.081 | 2.22 | 2.213 | 0.481 | 2.088 | 48 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 |

(CONTD)

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'TY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 08 1415 | | | 3 | 1 | 3.0 | 449.0 | 660.0 | 3.50 | 19.000 | 8.09 | |
| 80 02 13 1425 | | | 3 | 1 | 4.0 | 399.0 | 530.0 | 3.10 | 15.000 | 7.92 | |
| 80 03 10 1455 | | | 3 | 1 | 7.0 | 392.0 | 620.0 | 3.40 | 16.500 | 8.05 | |
| 80 04 01 1000 | | | 3 | 1 | 25.0 | 289.000 | 445.0 | 8.20 | 11.500 | 8.06 | |
| 80 05 29 1410 | | | 3 | 1 | 20.0 | 349.0 | 550.0 | 4.70 | 16.000 | 8.07 | |
| 80 06 23 1210 | | | 3 | 1 | 14.0 | 347.0 | 480.0 | 6.20 | 15.500 | 8.43 | |
| 80 07 09 1355 | | | 3 | 1 | | | 600.0 | | | 8.30 | 8.60 |
| 80 07 10 0110 | | | 3 | 1 | | | 550.0 | | | 8.17 | 8.20 |
| 80 07 29 1205 | | | 3 | 1 | 33.0 | 388 | 550 | 21.0 | 18.0 | 7.92 | |
| 80 08 25 1140 | | | 3 | 1 | 8.0 | 325 | 500 | 11.0 | 16.0 | 7.75 | |
| 80 09 25 1230 | | | 3 | 1 | 18.0 | 450 | 700 | 7.0 | 22.0 | 8.19 | |
| 80 10 20 1315 | | | 3 | 1 | 17.0 | 437.0 | 700.0 | 9.60 | 20.500 | 8.17 | |
| 80 11 26 1406 | | | 3 | 1 | 4 | 400 | 640 | 3.4 | 18.0 | 8.33 | |
| 80 12 10 1354 | | | 3 | 1 | 10.0 | 422.0 | 680.0 | 6.00 | 19.000 | 8.14 | |
| MAXIMUM | | | | | 33.0 | 460 | 700 | 21.0 | 22.0 | 8.43 | 8.60 |
| ARITH MEAN | | | | | 13 | 387 | 584 | 7.2 | 17.2 | 8.11 | 8.40 |
| GEOM MEAN | | | | | 10 | 384 | 579 | 6.1 | 17.0 | 8.11 | 8.40 |
| MINIMUM | | | | | 3.0 | 289.000 | 445.0 | 3.10 | 11.600 | 7.75 | 8.20 |
| STD DEV | | | | | 9 | 60 | 81 | 5.0 | 2.7 | 0.18 | 0.28 |
| NO OF SAMPLES | | | | | 12 | 12 | 14 | 12 | 12 | 14 | 2 |

| | | |
|---|---|---|
| BOW / SITE: **GRAND RIVER**<br>SAMPLE POINT: **CONC ROAD NO 13 NW OF MARSVILLE GR-3**<br>STATION TYPE: **RIVER** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE ERIE**<br>TERM STREAM: **GRAND RIVER** | STATION ID: **16-0184-067-02**<br>STORET CODE: **02**<br>**003**<br>**0150** |
| LAT: LONG: | U T M: **17 0558450.0 4856800.0 4** | REGION: **02** DISTANCE: **243.000** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 08 1215 | | | 3 | 1 | 29021 | 6 | 144 | 372 | 12 | 24 | 0.5 | 12.5 | 0.4 | 0.035 |
| 80 02 13 1205 | | | 3 | 1 | 29062 | 4 6 | 50I | 250 | 10< | 60I | 0.0 | 16.3 | 0.4 | 0.023 |
| 80 03 10 1235 | | | 3 | 1 | 29103 | 4 6 | 170 | 550 | 12 | 8 | 0.5 | 11.7 | 0.6 | 0.016 |
| 80 03 21 1145 | | | 3 | 1 | 29996 | 3 6 | 6600C | 44000 | 160 | 760 | 0.5 | 12.6 | 4.6 | 0.865 |
| 80 04 01 1155 | | | 3 | 1 | 29144 | 3 6 | 590 | 2300 | | 76 | 1.0 | 13.2 | 0.2 | 0.038 |
| 80 05 29 1115 | | | 3 | 1 | 29185 | 6 | 120I | 4000 | 8 | 140 | 17.0 | 12.5 | 0.6 | 0.014 |
| 80 06 18 1145 | | | 3 | 1 | 29226 | 6 | 260C | 740 | 76 | 8 | 16.5 | 11.2 | 1.2 | 0.017 |
| 80 07 08 1510 | | | 3 | 1 | 80093 | 6 | | | | | 24.0 | 8.0 | | 0.035 |
| 80 07 09 0155 | | | 3 | 1 | 80092 | 6 | | | | | 21.0 | 5.8 | | 0.032 |
| 80 07 21 1320 | | | 3 | 1 | 29267 | 3 | 5600C | 49000 | 2800 | 800I | 24.0 | 8.6 | 1.4 | 0.128 |
| 80 08 18 1150 | | | 3 | 1 | 29308 | 6 | 520C | 8200 | 144 | 352 | 19.0 | 9.5 | 0.6 | 0.016 |
| 80 09 24 1200 | | | 3 | 1 | 29349 | 6 | 7800C | 36000 | 3000 | 3000> | 15.0 | 9.9 | 2.0 | 0.048 |
| 80 10 20 1143 | | | 3 | 1 | 29390 | 6 | 1600 | 15000 | 400I | 1700 | 7.5 | 13.3 | 1.0 | 0.022 |
| 80 11 26 1137 | | | 3 | 1 | 29431 | 6 | 108 | 1160 | 4 | 8 | 0.1 | 14.8 | 0.6 | 0.020 |
| 80 12 10 1134 | | | 3 | 1 | 29472 | 6 3 | 1490C | 24000 | 216 | 332 | 0.1 | 13.2 | 0.8 | 0.020 |
| MAXIMUM | | | | | | | 7800 | 49000 | 3000 | 3000> | 24.0 | 16.3 | 4.6 | 0.865 |
| ARITH MEAN | | | | | | | 1927 | 14275 | 570L | 559G | 9.8 | 11.5 | 1.1 | 0.089 |
| GEOM MEAN | | | | | | | 582 | 4100 | 79L | 129G | 2.9 | 11.2 | 0.8 | 0.034 |
| MINIMUM | | | | | | | 50 | 250 | 4< | 8 | 0.0 | 5.8 | 0.2 | 0.014 |
| STD DEV | | | | | | | 2784 | 17972 | 1098L | 881G | 9.9 | 2.8 | 1.2 | 0.217 |
| NO OF SAMPLES | | | | | | | 13 | 13 | 12 | 13 | 16 | 16 | 13 | 16 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 08 1215 | | | 3 | 1 | 0.003 | 0.022 | 0.700 | 0.006 | 1.340 | 1.368 | 0.678 | 2.046 | 325.0 | 0.8 |
| 80 02 13 1205 | | | 3 | 1 | 0.001< | 0.024 | 1.550 | 0.012 | 1.940 | 1.976 | 1.526 | 3.502 | 598.0 | 10.0 |
| 80 03 10 1235 | | | 3 | 1 | 0.001 | 0.088 | 0.730 | 0.010 | 0.865 | 0.973 | 0.632 | 1.605 | 272.0 | 4.0 |
| 80 03 21 1145 | | | 3 | 1 | 0.083 | 0.430 | 3.000 | 0.048 | 1.350 | 1.828 | 2.570 | 4.398 | 635.0 | 521.0 |
| 80 04 01 1155 | | | 3 | 1 | 0.010 | 0.056 | 0.600 | 0.007 | 0.444 | 0.507 | 0.544 | 1.051 | 200.0 | 8.0 |
| 80 05 29 1115 | | | 3 | 1 | 0.001 | 0.020 | 0.760 | 0.004 | 0.021 | 0.045 | 0.740 | 0.785 | 285.0 | 2.0 |
| 80 06 18 1145 | | | 3 | 1 | 0.004 | 0.008 | 0.810 | 0.007 | 0.283 | 0.298 | 0.802 | 1.100 | 276.0 | 9.0 |
| 80 07 08 1510 | | | 3 | 1 | 0.005 | 0.012 | 0.940 | 0.005 | 0.025 | 0.042 | 0.928 | 0.970 | | |
| 80 07 09 0155 | | | 3 | 1 | 0.002 | 0.026 | 0.950 | 0.003 | 0.017 | 0.046 | 0.924 | 0.970 | | |
| 80 07 21 1320 | | | 3 | 1 | 0.002 | 0.016 | 2.050 | 0.011 | 0.209 | 0.236 | 2.034 | 2.270 | 321.0 | 93.0 |
| 80 08 18 1150 | | | 3 | 1 | 0.001 | 0.006 | 0.750 | 0.003 | 0.007 | 0.016 | 0.744 | 0.760 | 220.0 | 2 |
| 80 09 24 1200 | | | 3 | 1 | 0.008 | 0.062 | 1.000 | 0.008 | 0.192 | 0.262 | 0.938 | 1.200 | 260.0 | 10.0 |
| 80 10 20 1143 | | | 3 | 1 | 0.002 | 0.042 | 0.850 | 0.007 | 0.603 | 0.652 | 0.808 | 1.460 | 372.0 | 4.0 |
| 80 11 26 1137 | | | 3 | 1 | 0.001< | 0.008 | 0.65 | 0.003 | 0.510 | 0.521 | 0.642 | 1.163 | 344 | 6 |
| 80 12 10 1134 | | | 3 | 1 | 0.007 | 0.032 | 0.310 | 0.007 | 0.913 | 0.952 | 0.278 | 1.230 | 274.0 | 8.0 |
| MAXIMUM | | | | | 0.083 | 0.430 | 3.000 | 0.048 | 1.940 | 1.976 | 2.570 | 4.398 | 635.0 | 521.0 |
| ARITH MEAN | | | | | 0.009L | 0.067 | 1.04 | 0.009 | 0.581 | 0.648 | 0.986 | 1.634 | 337 | 52 |
| GEOM MEAN | | | | | 0.003L | 0.038 | 0.90 | 0.007 | 0.230 | 0.307 | 0.866 | 1.417 | 318 | 8 |
| MINIMUM | | | | | 0.001< | 0.006 | 0.310 | 0.003 | 0.007 | 0.016 | 0.278 | 0.760 | 200.0 | 0.8 |
| STD DEV | | | | | 0.023L | 0.106 | 0.68 | 0.011 | 0.590 | 0.646 | 0.606 | 1.046 | 132 | 143 |
| NO OF SAMPLES | | | | | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 13 | 13 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'TY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 08 1215 | | | 3 | 1 | 324.0 | 485.0 | 1.80 | 9.450 | 7.99 | |
| 80 02 13 1205 | | | 3 | 1 | 588.0 | 1040.0 | 1.70 | 17.500 | 7.75 | |
| 80 03 10 1235 | | | 3 | 1 | 268.0 | 439.0 | 2.40 | 9.100 | 7.70 | |
| 40 03 21 1145 | | | 3 | 1 | 114 | 175.0 | 150.00 | 5.000 | 7.40 | |
| 80 04 01 1155 | | | 3 | 1 | 192.000 | 295.0 | 3.10 | 5.300 | 8.04 | |
| 80 05 29 1115 | | | 3 | 1 | 283.000 | 435.0 | 0.70 | 9.500 | 8.62 | |
| 80 06 18 1145 | | | 3 | 1 | 267.000 | 410.0 | 1.40 | 10.500 | 8.45 | |
| 80 07 08 1510 | | | 3 | 1 | | 385.0 | | | 8.40 | 8.40 |
| 80 07 09 0155 | | | 3 | 1 | | 385.0 | | | 8.12 | 8.40 |
| 80 07 21 1320 | | | 3 | 1 | 228.000 | 350.0 | 30.00 | 8.550 | 8.02 | |
| 80 08 18 1150 | | | 3 | 1 | 218 | 335 | 1.2 | 5.9 | 8.44 | |

(CONTD)

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

|  |  |  |
|---|---|---|
| B O W / SITE: **GRAND RIVER**<br>SAMPLE POINT: **CONC ROAD NO 13 NW OF MARSVILLE GR-3**<br>STATION TYPE: **RIVER** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE ERIE**<br>TERM STREAM: **GRAND RIVER** | STATION ID: **16-0184-067-02**<br>STORET CODE: **02**<br>**003**<br>**0150** |
| LAT: LONG: | U T M: **17 0558450.0 4856800.0 4** | REGION: **02** DISTANCE: **243.800** |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 09 24 1200 | | | 3 | 1 | 250 | 440 | 3.5 | 11.0 | 8.17 | |
| 80 10 20 1143 | | | 3 | 1 | 368.0 | 580.0 | 1.70 | 12.000 | 8.36 | |
| 80 11 26 1137 | | | 3 | 1 | 338 | 540 | 1.0 | 9.15 | 8.39 | |
| 80 12 10 1134 | | | 3 | 1 | 266.0 | 430.0 | 3.30 | 7.000 | 8.21 | |
| MAXIMUM | | | | | 588.0 | 1040.0 | 180.00 | 17.500 | 8.82 | 8.40 |
| ARITH MEAN | | | | | 284 | 448 | 15.5 | 9.2 | 8.14 | 8.40 |
| GEOM MEAN | | | | | 288 | 418 | 3.0 | 8.7 | 8.13 | 8.40 |
| MINIMUM | | | | | 114 | 175.0 | 0.70 | 5.000 | 7.40 | 8.40 |
| STD DEV | | | | | 112 | 190 | 41.1 | 3.3 | 0.33 | 0.00 |
| NO OF SAMPLES | | | | | 13 | 15 | 13 | 13 | 15 | 2 |

|  |  |  |
|---|---|---|
| B O W / SITE: **CONESTOGO RIVER**<br>SAMPLE POINT: **STEEL BRIDGE AT GLEN ALLAN GR-12**<br>STATION TYPE: **RIVER FLOW GAUGE FED 02GA028** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE ERIE**<br>TERM STREAM: **GRAND RIVER** | STATION ID: **16-0184-077-02**<br>STORET CODE: **02**<br>**003**<br>**0150** |
| LAT: LONG: | U T M: **17 0524075.0 4833350.0 4** | REGION: **02** DISTANCE: **223.040** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 08 1405 | | | .3 | 1 | 29022 | 6 | 9.590 | 800I | 1900 | 20I | 520 | 0.7 | 14.0 | 0.8 |
| 80 02 13 1410 | | | .3 | 1 | 29063 | 4 6 | 0.550 | 1900 | 3500 | 50< | 1600 | 0.0 | 7.8 | 3.8 |
| 80 03 10 1435 | | | .3 | 1 | 29108 | 4 6 | 0.519 | 1900 | 25000 | 50I | 300I | 0.5 | 9.2 | 2.6 |
| 80 04 01 1015 | | | .3 | 1 | 29149 | 3 6 | 19.600 | 500I | 5400 | | 150I | 1.0 | 14.0 | 2.2 |
| 80 05 29 1400 | | | .3 | 1 | 29190 | 9 | 3.290 | 240 | 2600 | 20< | 40I | 11.5 | 12.8 | 1.0 |
| 80 06 23 1155 | | | .3 | 1 | 29231 | 5 | 3.750 | 900C | 8000 | 8 | 4 | 17.0 | 11.6 | 0.4 |
| 80 07 09 1320 | | | .3 | 1 | 80119 | 6 | 4.020 | | | | | 18.5 | 9.6 | |
| 80 07 10 0055 | | | .3 | 1 | 80118 | 6 | 3.990 | | | | | 16.5 | 7.7 | |
| 80 07 29 1135 | | | .3 | 1 | 29272 | 5 | 3.430 | 260C | 7900 | 90I | 110 | 19.0 | 9.1 | 2.0 |
| 80 08 25 1125 | | | .3 | 1 | 29313 | 6 | 3.620 | 900 | 47000 | 870 | 140 | 22.0 | 9.4 | 1.2 |
| 80 09 25 1210 | | | .3 | 1 | 29354 | 6 | 3.240 | 900C | 28000 | 360 | 120I | 17.0 | 11.0 | 1.6 |
| 80 10 20 1300 | | | .3 | 1 | 29395 | 6 | 4.500 | 320 | 3400 | 60I | 60I | 9.8 | 13.2 | 1.0 |
| 80 11 26 1351 | | | .3 | 1 | 29436 | 6 | 6.060 | 84 | 640 | 28 | 20 | 1.8 | 16.0 | 1.4 |
| 80 12 10 1338 | | | .3 | 1 | 29477 | 6 | 10.400 | 1140C | 20000 | 160 | 308 | 0.6 | 14.9 | 1.5 |
| MAXIMUM | | | | | | | 19.600 | 1900 | 47000 | 870 | 1600 | 22.0 | 16.0 | 3.8 |
| ARITH MEAN | | | | | | | 5.488 | 820 | 12778 | 156L | 281 | 9.7 | 11.4 | 1.6 |
| GEOM MEAN | | | | | | | 3.779 | 596 | 6718 | 63L | 112 | 4.5 | 11.1 | 1.4 |
| MINIMUM | | | | | | | 0.519 | 84 | 640 | 8< | 4 | 0.0 | 7.7 | 0.4 |
| STD DEV | | | | | | | 4.926 | 603 | 14296 | 257L | 441 | 8.8 | 2.7 | 0.9 |
| NO OF SAMPLES | | | | | | | 14 | 12 | 12 | 11 | 12 | 14 | 14 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 08 1405 | | | .3 | 1 | 0.110 | 0.060 | 0.166 | 0.900 | 0.021 | 4.080 | 4.267 | 0.734 | 5.001 | 322.0 |
| 80 02 13 1410 | | | .3 | 1 | 0.035 | 0.017 | 0.118 | 0.720 | 0.020 | 2.980 | 3.118 | 0.602 | 3.720 | 810.0 |
| 80 03 10 1435 | | | .3 | 1 | 0.941 | 0.019 | 0.088 | 2.430 | 0.013 | 2.490 | 2.591 | 2.342 | 4.933 | 580.0 |
| 80 04 01 1015 | | | .3 | 1 | 0.380 | 0.150 | 0.840 | 1.930 | 0.041 | 1.660 | 2.541 | 1.090 | 3.631 | 249.0 |
| 80 05 29 1400 | | | .3 | 1 | 0.037 | 0.004 | 0.166 | 0.880 | 0.071 | 2.180 | 2.417 | 0.714 | 3.131 | 251.0 |
| 80 06 23 1155 | | | .3 | 1 | 0.043 | 0.009 | 0.126 | 0.780 | 0.057 | 1.840 | 2.023 | 0.654 | 2.677 | 247.0 |
| 80 07 09 1320 | | | .3 | 1 | 0.030 | 0.002 | 0.154 | 0.790 | 0.125 | 1.730 | 2.009 | 0.636 | 2.645 | |
| 80 07 10 0055 | | | .3 | 1 | 0.032 | 0.003 | 0.152 | 0.880 | 0.095 | 1.800 | 2.047 | 0.728 | 2.775 | |
| 80 07 29 1135 | | | .3 | 1 | 0.058 | 0.014 | 0.210 | 0.830 | 0.170 | 1.240 | 1.620 | 0.620 | 2.240 | 274.0 |
| 80 08 25 1125 | | | .3 | 1 | 0.088 | 0.008 | 0.124 | 0.800 | 0.082 | 1.070 | 1.276 | 0.676 | 1.952 | 294.0 |
| 80 09 25 1210 | | | .3 | 1 | 0.050 | 0.014 | 0.026 | 0.780 | 0.053 | 1.000 | 1.079 | 0.754 | 1.833 | 272.0 |
| 80 10 20 1300 | | | .3 | 1 | 0.065 | 0.013 | 0.058 | 0.820 | 0.060 | 0.835 | 0.953 | 0.762 | 1.715 | 280.0 |
| 80 11 26 1351 | | | .3 | 1 | 0.052 | 0.004 | 0.124 | 0.95 | 0.013 | 2.15 | 2.287 | 0.826 | 3.113 | 349 |
| 80 12 10 1338 | | | .3 | 1 | 0.160 | 0.016 | 0.172 | 1.580 | 0.015 | 2.730 | 2.917 | 1.408 | 4.325 | 393.0 |
| MAXIMUM | | | | | 0.941 | 0.150 | 0.840 | 2.430 | 0.170 | 4.080 | 4.267 | 2.342 | 5.001 | 810.0 |
| ARITH MEAN | | | | | 0.149 | 0.024 | 0.180 | 1.07 | 0.060 | 1.98 | 2.226 | 0.896 | 3.121 | 360 |
| GEOM MEAN | | | | | 0.078 | 0.012 | 0.134 | 0.99 | 0.044 | 1.81 | 2.081 | 0.820 | 2.951 | 334 |
| MINIMUM | | | | | 0.030 | 0.002 | 0.026 | 0.720 | 0.013 | 0.835 | 0.953 | 0.602 | 1.715 | 247.0 |
| STD DEV | | | | | 0.246 | 0.039 | 0.196 | 0.52 | 0.047 | 0.88 | 0.879 | 0.469 | 1.082 | 169 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 08 1405 | | | .3 | 1 | 13.0 | 309.0 | 435.0 | 21.00 | 12.500 | 8.06 | |
| 80 02 13 1410 | | | .3 | 1 | 392.0 | 418.0 | 670.0 | 275.00 | 17.000 | 7.54 | |
| 80 03 10 1435 | | | .3 | 1 | 168.0 | 412.0 | 685.0 | 185.00 | 30.500 | 7.66 | |
| 80 04 01 1015 | | | .3 | 1 | 107.0 | 142.000 | 215.0 | 74.00 | 6.950 | 7.93 | |
| 80 05 29 1400 | | | .3 | 1 | 7.0 | 244.000 | 375.0 | 3.70 | 11.000 | 8.37 | |
| 80 06 23 1155 | | | .3 | 1 | 10.0 | 237.000 | 365.0 | 7.30 | 12.000 | 8.52 | |
| 80 07 09 1320 | | | .3 | 1 | | | 385.0 | | | 8.02 | 7.95 |
| 80 07 10 0055 | | | .3 | 1 | | | 385.0 | | | 7.87 | 7.80 |
| 80 07 29 1135 | | | .3 | 1 | 17.0 | 257 | 395 | 10.0 | 13.0 | 7.94 | |
| 80 08 25 1125 | | | .3 | 1 | 37.0 | 257 | 395 | 18.0 | 13.5 | 7.99 | |
| 80 09 25 1210 | | | .3 | 1 | 28.0 | 244 | 375 | 16.0 | 14.5 | 8.30 | |
| 80 10 20 1300 | | | .3 | 1 | 20.0 | 260.000 | 400.0 | 8.50 | 15.500 | 8.31 | |
| 80 11 26 1351 | | | .3 | 1 | 17 | 332 | 550 | 10 | 22.0 | 8.34 | |
| 80 12 10 1338 | | | .3 | 1 | 37.0 | 356.0 | 570.0 | 9.50 | 22.000 | 8.24 | |

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| TEST-NAME: | RSP RESIDUE PARTIC. MG/L | RSF RESIDUE FILTERED MG/L | COND25 CONDUCT. 25C UMHO/CM AT 25 C | TURB TURB'ITY FTU | CLIDUR CHLORIDE UNF.REAC MG/L AS CL | PH PH | FWPH PH FIELD |
|---|---|---|---|---|---|---|---|
| MAXIMUM | 392.0 | 418.0 | 685.0 | 275.00 | 30.500 | 8.52 | 7.95 |
| ARITH MEAN | 71 | 288 | 442 | 83 | 15.8 | 8.08 | 7.87 |
| GEOM MEAN | 32 | 278 | 425 | 20 | 14.8 | 8.07 | 7.87 |
| MINIMUM | 7.0 | 142.000 | 215.0 | 3.70 | 6.950 | 7.54 | 7.80 |
| STD DEV | 111 | 79 | 129 | 86 | 6.2 | 0.28 | 0.11 |
| NO OF SAMPLES | 12 | 12 | 14 | 12 | 12 | 14 | 2 |

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B.O.W./SITE: **GRAND RIVER**
SAMPLE POINT: **IN RURAL COMMUNITY OF LEGGATT**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-090-02**
STORET CODE: **02**
**003**
**0180**

LAT:
LONG:
U.T.M.: **17 0551725.0 4868200.0 4**
REGION: **02**
DISTANCE: **264.408**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE SAMPLE NUMBER | FWSTRC STREAM COND. | TCMF COLIFORM TOTAL MF CNT /100ML | TCMFBK COLIFORM TOTAL MF BCKGRD CNT /100ML | FCMF FECAL COLIFORM MF CNT /100ML | FSMF FECAL STREPCUS MF CNT /100ML | FWTEMP WATER TEMP DEG.C | DO DISOLVED OXYGEN MG/L AS O | BOD5 BOD 5 DAY TOT.DEM. MG/L AS O | PPUT PHOSPHOR UNF.TOT. MG/L AS P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 08 1245 | | | 3 | 1 | 29025 | 6 | 2620 | 1540 | 330 | 10< | 0.7 | 12.2 | 0.8 | 0.030 |
| 80 02 13 1240 | | | 3 | 1 | 29066 | 6 | 8200 | 8000 | 10< | 10< | 0.5 | 12.2 | 0.6 | 0.020 |
| 80 03 10 1310 | | | 3 | 1 | 29105 | 6 | 560 | 390 | 10< | 10< | 2.0 | 13.7 | 0.2 | 0.033 |
| 80 04 01 1125 | | | 3 | 1 | 29146 | 3 6 | 530C | 2600 | | 70I | 0.5 | 12.8 | 0.4 | 0.042 |
| 80 05 29 1150 | | | 3 | 1 | 29187 | 6 | 560C | 4800 | 40I | 290 | 16.5 | 11.0 | 0.8 | 0.019 |
| 80 06 23 1035 | | | 3 | 1 | 29228 | 5 | 720C | 8000 | 292 | 60I | 19.0 | 8.9 | 0.6 | 0.035 |
| 80 07 08 1420 | | | 3 | 1 | 80089 | 6 | | | | | 23.5 | 7.6 | | 0.060 |
| 80 07 09 0130 | | | 3 | 1 | 80088 | 6 | | | | | 20.5 | 6.4 | | 0.072 |
| 80 07 29 1020 | | | 3 | 1 | 29269 | 3 | 5200C | 94000 | 830 | 1500> | 19.0 | 6.0 | 2.8 | 0.065 |
| 80 08 25 1010 | | | 3 | 1 | 29310 | 6 | 1900C | 31000 | 220 | 220 | 19.5 | 8.8 | 1.0 | 0.027 |
| 80 09 25 1050 | | | 3 | 1 | 29351 | 6 | 2400 | 16000 | 280 | 320 | 12.0 | 9.9 | 0.4 | 0.032 |
| 80 10 20 1145 | | | 3 | 1 | 29392 | 6 | 1900 | 9000 | 140I | 260 | 7.0 | 13.3 | 0.2 | 0.022 |
| 80 11 26 1203 | | | 3 | 1 | 29433 | 6 | 96 | 1000 | 4< | 4 | 0.2 | 15.4 | | 0.011 |
| 80 12 10 1203 | | | 3 | 1 | 29474 | 6 3 | 1010C | 19000 | 92 | 220 | 0.1 | 12.3 | 0.4 | 0.058 |
| MAXIMUM | | | | | | | 8200 | 94000 | 830 | 1500> | 23.5 | 15.4 | 2.8 | 0.072 |
| ARITH MEAN | | | | | | | 2141 | 16277 | 204L | 2488 | 10.1 | 10.7 | 0.7 | 0.038 |
| GEOM MEAN | | | | | | | 1223 | 6289 | 81L | 758 | 3.4 | 10.4 | 0.6 | 0.033 |
| MINIMUM | | | | | | | 96 | 390 | 4< | 4< | 0.1 | 6.0 | 0.2 | 0.011 |
| STD DEV | | | | | | | 2386 | 26071 | 241L | 4138 | 9.3 | 2.9 | 0.7 | 0.019 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 11 | 12 | 14 | 14 | 11 | 14 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PPO4FR PO4 FIL.REAC MG/L AS P | NNHTFR NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR NO2-N FIL.REAC MG/L AS N | NNO3FR NO3-N FIL.REAC MG/L AS N | NNTIFR ORG N TOTAL FIL.REAC MG/L | NNKUR KJELDAHL ORGANIC UNF.REAC MG/L | NNKI TOTAL N MG/L AS N | RST RESIDUE TOTAL MG/L | RSP RESIDUE PARTIC. MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 08 1245 | | | 3 | 1 | 0.002 | 0.024 | 0.750 | 0.004 | 0.506 | 0.534 | 0.726 | 1.260 | 240.0 | 3.0 |
| 80 02 13 1240 | | | 3 | 1 | 0.002 | 0.048 | 3.480 | 0.005 | 0.250 | 0.303 | 3.432 | 3.735 | 227.0 | 9.0 |
| 80 03 10 1310 | | | 3 | 1 | 0.004 | 0.094 | 0.850 | 0.006 | 0.396 | 0.496 | 0.756 | 1.252 | 240.0 | 3.0 |
| 80 04 01 1125 | | | 3 | 1 | 0.008 | 0.040 | 0.580 | 0.006 | 0.299 | 0.345 | 0.540 | 0.885 | 198.0 | 9.0 |
| 80 05 29 1150 | | | 3 | 1 | 0.002 | 0.034 | 0.850 | 0.004 | 0.015 | 0.053 | 0.816 | 0.869 | 265.0 | 2.0 |
| 80 06 23 1035 | | | 3 | 1 | 0.001 | 0.006 | 0.880 | 0.003 | 0.017 | 0.026 | 0.874 | 0.900 | 457.0 | 12.0 |
| 80 07 08 1420 | | | 3 | 1 | 0.017 | 0.026 | 0.820 | 0.011 | 0.214 | 0.251 | 0.794 | 1.045 | | |
| 80 07 09 0130 | | | 3 | 1 | 0.011 | 0.054 | 0.930 | 0.006 | 0.064 | 0.124 | 0.876 | 1.000 | | |
| 80 07 29 1020 | | | 3 | 1 | 0.021 | 0.014 | 1.030 | 0.008 | 0.152 | 0.174 | 1.016 | 1.190 | 254.0 | 7.0 |
| 80 08 25 1010 | | | 3 | 1 | 0.001 | 0.018 | 0.870 | 0.005 | 0.024 | 0.047 | 0.852 | 0.899 | 227.0 | 6.0 |
| 80 09 25 1050 | | | 3 | 1 | 0.012 | 0.036 | 1.050 | 0.005 | 0.145 | 0.186 | 1.014 | 1.200 | 273.0 | 5.0 |
| 80 10 20 1145 | | | 3 | 1 | 0.001 | 0.022 | 0.800 | 0.004 | 0.241 | 0.267 | 0.778 | 1.045 | 360.0 | 3.0 |
| 80 11 26 1203 | | | 3 | 1 | 0.004 | 0.010 | 0.60 | 0.003 | 0.260 | 0.273 | 0.590 | 0.863 | 319 | 3 |
| 80 12 10 1203 | | | 3 | 1 | 0.006 | 0.030 | 0.890 | 0.006 | 0.579 | 0.615 | 0.860 | 1.475 | 261.0 | 5.0 |
| MAXIMUM | | | | | 0.021 | 0.094 | 3.480 | 0.011 | 0.579 | 0.615 | 3.432 | 3.735 | 457.0 | 12.0 |
| ARITH MEAN | | | | | 0.007 | 0.033 | 1.02 | 0.005 | 0.228 | 0.264 | 0.995 | 1.268 | 276 | 6 |
| GEOM MEAN | | | | | 0.004 | 0.028 | 0.91 | 0.005 | 0.139 | 0.190 | 0.883 | 1.152 | 269 | 4 |
| MINIMUM | | | | | 0.001 | 0.006 | 0.580 | 0.003 | 0.015 | 0.026 | 0.540 | 0.863 | 198.0 | 2.0 |
| STD DEV | | | | | 0.006 | 0.022 | 0.71 | 0.002 | 0.177 | 0.184 | 0.714 | 0.736 | 71 | 3 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RSF RESIDUE FILTERED MG/L | COND25 CONDUCT. 25C UMHO/CM AT 25 C | TURB TURB'ITY FTU | CLIDUR CHLORIDE UNF.REAC MG/L AS CL | PH PH | FWPH PH FIELD |
|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 08 1245 | | | 3 | 1 | 237.000 | 365.0 | 2.30 | 5.400 | 8.01 | |
| 80 02 13 1240 | | | 3 | 1 | 218.000 | 335.0 | 1.80 | 4.050 | 8.00 | |
| 80 03 10 1310 | | | 3 | 1 | 237.000 | 365.0 | 1.75 | 5.750 | 7.95 | |
| 80 04 01 1125 | | | 3 | 1 | 189.000 | 290.0 | 3.00 | 4.600 | 7.85 | |
| 80 05 29 1150 | | | 3 | 1 | 263.000 | 405.0 | 1.50 | 6.300 | 8.44 | |
| 80 06 23 1035 | | | 3 | 1 | 445.000 | 445.0 | 3.20 | 13.500 | 8.23 | |
| 80 07 08 1420 | | | 3 | 1 | | 205.0 | | | 8.75 | 8.60 |
| 80 07 09 0130 | | | 3 | 1 | | 240.0 | | | 8.08 | 8.65 |
| 80 07 29 1020 | | | 3 | 1 | 247 | 380 | 3.2 | 4.60 | 7.79 | |
| 80 08 25 1010 | | | 3 | 1 | 221 | 340 | 2.5 | 4.25 | 8.15 | |
| 80 09 25 1050 | | | 3 | 1 | 268 | 430 | 2.0 | 7.0 | 8.25 | |
| 80 10 20 1145 | | | 3 | 1 | 357.0 | 550.0 | 1.30 | 8.450 | 8.26 | |
| 80 11 26 1203 | | | 3 | 1 | 316 | 500 | 1.0 | 7.60 | 8.29 | |
| 80 12 10 1203 | | | 3 | 1 | 256.0 | 410.0 | 2.20 | 5.900 | 7.95 | |
| MAXIMUM | | | | | 445.000 | 550.0 | 3.2 | 13.500 | 8.75 | 8.65 |
| ARITH MEAN | | | | | 271 | 375 | 2.1 | 6.4 | 8.14 | 8.62 |
| GEOM MEAN | | | | | 263 | 364 | 2.0 | 6.0 | 8.14 | 8.62 |
| MINIMUM | | | | | 189.000 | 205.0 | 1.0 | 4.050 | 7.79 | 8.60 |
| STD DEV | | | | | 70 | 93 | 0.7 | 2.6 | 0.25 | 0.04 |
| NO OF SAMPLES | | | | | 12 | 14 | 12 | 12 | 14 | 2 |

B.O.W./ SITE: **MOOREFIELD CREEK**
SAMPLE POINT: **COUNTY ROAD NO 10 VILLAGE OF MOOREFIELD**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-091-02**
STORET CODE: **02**
**083**
**0150**

LAT LONG U T M: **17 0520250.0 4844775.0 4** REGION: **02** DISTANCE: **241.870**

| TEST-NAME: | | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE YR MO DY | HOUR LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 08 | 1345 | | | .3 | 1 | 29023 | 6 | 1900 | 2600 | 410 | 70I | 0.2 | 12.6 | 0.6 | 0.034 |
| 80 02 13 | 1345 | | | .3 | 1 | 29064 | 4 6 | 1360 | 2000 | 140 | 60 | 0.0 | 11.2 | 0.2 | 0.024 |
| 80 03 10 | 1410 | | | .3 | 1 | 29107 | 4 6 | 14300C | 18000 | 630 | 370 | 0.5 | 12.1 | 0.8 | 0.095 |
| 80 03 21 | 1230 | | | .3 | 1 | 29994 | 3 | 10000 | 80000 | 340 | 2400 | 0.5 | 12.4 | 5.4 | 0.903 |
| 80 04 01 | 1030 | | | .3 | 1 | 29148 | 3 6 | 2400 | 9000 | | 200 | 1.0 | 13.0 | 0.2 | 0.060 |
| 80 05 29 | 1340 | | | .3 | 1 | 29189 | 6 | 1500 | 14000 | 600 | 640 | 17.0 | 12.0 | 1.2 | 0.069 |
| 80 06 23 | 1135 | | | .3 | 1 | 29230 | 7 5 | 700I | 11000 | 90I | 20I | 22.0 | 13.8 | 0.4 | 0.034 |
| 80 07 09 | 1250 | | | .3 | 1 | 80117 | 8 | | | | | 22.5 | 11.9 | | 0.060 |
| 80 07 10 | 0040 | | | .3 | 1 | 80116 | 8 | | | | | 20.5 | 4.0 | | 0.053 |
| 80 07 29 | 1110 | | | .3 | 1 | 29271 | 6 | 47000C | 1360000 | 26000 | 24000 | 21.5 | 6.1 | 4.4 | 0.178 |
| 80 08 25 | 1100 | | | .3 | 1 | 29312 | 5 | 23000 | 35000 | 170 | 60I | 23.0 | 10.6 | 1.2 | 0.070 |
| 80 09 25 | 1145 | | | .3 | 1 | 29353 | 6 | 9500 | 20000 | 1780 | 320 | 14.5 | 10.4 | 0.6 | 0.053 |
| 80 10 20 | 1245 | | | .3 | 1 | 29394 | 6 | 25000 | 130000 | 760 | 5100 | 8.0 | 11.2 | 4.8 | 0.252 |
| 80 11 26 | 1300 | | | .3 | 1 | 29435 | 6 | 1470I | 2700 | 132 | 28 | 0.8 | 15.2 | 0.4 | 0.029 |
| 80 12 10 | 1315 | | | .3 | 1 | 29476 | 6 3 | 2900C | 31000 | 412 | 600> | 0.1 | 13.2 | 0.5 | 0.062 |
| MAXIMUM | | | | | | | | 47000 | 1360000 | 26000 | 24000> | 23.0 | 15.2 | 5.4 | 0.903 |
| ARITH MEAN | | | | | | | | 10848 | 131948 | 2822 | 2606G | 10.1 | 11.3 | 1.6 | 0.132 |
| GEOM MEAN | | | | | | | | 4931 | 20423 | 495 | 321G | 3.2 | 10.8 | 0.9 | 0.073 |
| MINIMUM | | | | | | | | 700 | 2000 | 90 | 20 | 0.0 | 4.0 | 0.2 | 0.024 |
| STD DEV | | | | | | | | 13700 | 370798 | 7376 | 6587G | 10.1 | 2.9 | 1.9 | 0.222 |
| NO OF SAMPLES | | | | | | | | 13 | 13 | 12 | 13 | 15 | 15 | 13 | 15 |

| TEST-NAME: | | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE YR MO DY | HOUR LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 08 | 1345 | | | .3 | 1 | 0.012 | 0.062 | 0.520 | 0.015 | 4.930 | 5.007 | 0.458 | 5.465 | 433.0 | 6.0 |
| 80 02 13 | 1345 | | | .3 | 1 | 0.015 | 0.114 | 0.400 | 0.014 | 3.630 | 3.758 | 0.286 | 4.044 | 372.0 | 5.0 |
| 80 03 10 | 1410 | | | .3 | 1 | 0.045 | 0.650 | 1.210 | 0.021 | 2.980 | 3.651 | 0.560 | 4.211 | 435.0 | 7.0 |
| 80 03 21 | 1230 | | | .3 | 1 | 0.190 | 0.680 | 3.100 | 0.042 | 1.760 | 2.482 | 2.420 | 4.902 | 438.0 | 337.0 |
| 80 04 01 | 1030 | | | .3 | 1 | 0.026 | 0.116 | 0.660 | 0.018 | 2.650 | 2.784 | 0.544 | 3.328 | 249.0 | 12.0 |
| 80 05 29 | 1340 | | | .3 | 1 | 0.018 | 0.136 | 1.050 | 0.065 | 1.510 | 1.711 | 0.914 | 2.625 | 330.0 | 13.0 |
| 80 06 23 | 1135 | | | .3 | 1 | 0.001< | 0.086 | 0.950 | 0.130 | 1.370 | 1.586 | 0.864 | 2.450 | 347.0 | 2.0 |
| 80 07 09 | 1250 | | | .3 | 1 | 0.003 | 0.104 | 1.030 | 0.155 | 1.280 | 1.539 | 0.926 | 2.465 | | |
| 80 07 10 | 0040 | | | .3 | 1 | 0.003 | 0.176 | 1.230 | 0.180 | 1.220 | 1.576 | 1.054 | 2.630 | | |
| 80 07 29 | 1110 | | | .3 | 1 | 0.005 | 3.100 | 4.810 | 1.800 | 5.950 | 10.850 | 1.710 | 12.560 | 379.0 | 8.0 |
| 80 08 25 | 1100 | | | .3 | 1 | 0.024 | 0.056 | 1.210 | 0.225 | 1.070 | 1.351 | 1.154 | 2.505 | 360.0 | 8.0 |
| 80 09 25 | 1145 | | | .3 | 1 | 0.013 | 0.044 | 0.910 | 0.035 | 1.060 | 1.139 | 0.866 | 2.005 | 314.0 | 5.0 |
| 80 10 20 | 1245 | | | .3 | 1 | 0.140 | 0.130 | 2.250 | 0.640 | 2.860 | 3.630 | 2.120 | 5.750 | 396.0 | 17.0 |
| 80 11 26 | 1300 | | | .3 | 1 | 0.013 | 0.124 | 0.66 | 0.014 | 2.50 | 2.638 | 0.536 | 3.174 | 384 | 4 |
| 80 12 10 | 1315 | | | .3 | 1 | 0.037 | 0.110 | 0.920 | 0.022 | 4.630 | 4.762 | 0.810 | 5.572 | 322.0 | 10.0 |
| MAXIMUM | | | | | | 0.190 | 3.100 | 4.810 | 1.800 | 5.950 | 10.850 | 2.420 | 12.560 | 438.0 | 337.0 |
| ARITH MEAN | | | | | | 0.036L | 0.379 | 1.39 | 0.225 | 2.82 | 3.231 | 1.015 | 4.248 | 385 | 33 |
| GEOM MEAN | | | | | | 0.015L | 0.159 | 1.10 | 0.066 | 2.24 | 2.661 | 0.867 | 3.749 | 362 | 9 |
| MINIMUM | | | | | | 0.001< | 0.044 | 0.400 | 0.014 | 1.060 | 1.139 | 0.286 | 2.005 | 249.0 | 2.0 |
| STD DEV | | | | | | 0.056L | 0.779 | 1.18 | 0.466 | 1.55 | 2.447 | 0.618 | 2.829 | 54 | 91 |
| NO OF SAMPLES | | | | | | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 13 | 13 |

| TEST-NAME: | | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE YR MO DY | HOUR LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 08 | 1345 | | | .3 | 1 | 427.0 | 640.0 | 3.60 | 19.000 | 7.96 | |
| 80 02 13 | 1345 | | | .3 | 1 | 367.0 | 620.0 | 2.70 | 15.500 | 7.88 | |
| 80 03 10 | 1410 | | | .3 | 1 | 428.0 | 710.0 | 2.80 | 54.000 | 7.85 | |
| 80 03 21 | 1230 | | | .3 | 1 | 101.000 | 155.0 | 165.00 | 4.550 | 7.97 | |
| 80 04 01 | 1030 | | | .3 | 1 | 237.000 | 365.0 | 3.50 | 8.250 | 7.95 | |
| 80 05 29 | 1340 | | | .3 | 1 | 317.0 | 495.0 | 1.30 | 15.500 | 8.40 | |
| 80 06 23 | 1135 | | | .3 | 1 | 345.0 | 490.0 | 1.80 | 23.000 | 8.57 | |
| 80 07 09 | 1250 | | | .3 | 1 | | 500.0 | | | 8.46 | 8.45 |
| 80 07 10 | 0040 | | | .3 | 1 | | 500.0 | | | 7.81 | 7.65 |
| 80 07 29 | 1110 | | | .3 | 1 | 371 | 600 | 6.2 | 33.5 | 7.93 | |
| 80 08 25 | 1100 | | | .3 | 1 | 352 | 550 | 1.1 | 4.2 | 8.48 | |
| 80 09 25 | 1145 | | | .3 | 1 | 309 | 500 | 1.4 | 23.0 | 8.32 | |
| 80 10 20 | 1245 | | | .3 | 1 | 379.0 | 640.0 | 3.00 | 24.000 | 7.79 | |
| 80 11 26 | 1300 | | | .3 | 1 | 380 | 630 | 1.5 | 20.0 | 8.23 | |
| 80 12 10 | 1315 | | | .3 | 1 | 312.0 | 495.0 | 4.40 | 14.500 | 8.04 | |
| MAXIMUM | | | | | | 428.0 | 710.0 | 165.00 | 54.000 | 8.57 | 8.45 |
| ARITH MEAN | | | | | | 332 | 526 | 15.2 | 19.9 | 8.11 | 8.05 |
| GEOM MEAN | | | | | | 318 | 501 | 3.3 | 16.0 | 8.11 | 8.04 |
| MINIMUM | | | | | | 101.000 | 155.0 | 1.1 | 4.2 | 7.79 | 7.65 |
| STD DEV | | | | | | 88 | 134 | 46.0 | 13.1 | 0.27 | 0.57 |
| NO OF SAMPLES | | | | | | 13 | 15 | 13 | 13 | 15 | 2 |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./SITE: **GRAND RIVER**
SAMPLE POINT: **AT BRIDGE IN COMMUNITY OF YORK**
STATION TYPE: **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ERIE**
TERM STREAM **GRAND RIVER**

STATION ID: **16-0184-092-02**
STORET CODE: **02**
**003**
**0150**

LAT LONG: U T M **17 0580250.0 4763700.0 4** REGION **02** DISTANCE: **42.325**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
| 80 01 07 1045 | | | .3 | 1 | 29002 | 6 | 620 | 820 | 10< | 10I | 1.0 | 12.2 | 1.0 | 0.090 |
| 80 02 05 1410 | | | .3 | 1 | 29043 | 6 | 500I | 1100 | 20< | 20I | 0.7 | 13.4 | 0.6 | 0.071 |
| 80 03 12 1030 | | | .3 | 1 | 29084 | 6 4 | 1180C | 16000 | 120 | 1500> | 0.5 | 14.2 | 1.8 | 0.073 |
| 80 04 16 1230 | | | .3 | 1 | 29125 | 3 6 * | 6200C | 25500 | 980 | 3000> | 3.0 | 11.8 | 2.2 | 0.800 |
| 80 05 13 1000 | | | .3 | 1 | 29166 | 6 | 500I | 13000 | 20I | 100< | 13.0 | 10.0 | 1.2 | 0.063 |
| 80 06 10 1020 | | | .3 | 1 | 29207 | 6 | 250 | 28500 | 10< | 20I | 15.0 | 10.4 | 1.4 | 0.115 |
| 80 07 07 2015 | | | .3 | 1 | 80075 | 6 | 650 | | | | 25.0 | 9.4 | | 0.075 |
| 80 07 08 0530 | | | .3 | 1 | 80074 | 6 | | | | | 22.0 | 6.6 | | 0.083 |
| 80 07 16 1035 | | | .3 | 1 | 29248 | 6 | | 80000 | 50I | 1020 | 24.0 | 7.5 | 2.0 | 0.098 |
| 80 08 12 1045 | | | .3 | 1 | 29289 | 6 | 1000C | 64000 | 40I | 140I | 23.0 | 9.1 | 1.6 | 0.118 |
| 80 09 04 1005 | | | .3 | 1 | 29330 | 6 | 1300> | 32000 | 100< | 1940 | 21.5 | 8.9 | 1.4 | 0.108 |
| 80 10 27 1058 | | | .3 | 1 | 29371 | 6 | 1100 | 11500 | 20I | 40I | 6.5 | 13.2 | 0.8 | 0.055 |
| 80 11 20 1036 | | | .3 | 1 | 29412 | 6 | 50I | 1500 | 10< | 10< | 2.0 | 14.1 | 1.4 | 0.020 |
| 80 12 16 1029 | | | .3 | 1 | 29453 | 6 | 1200C | 8000 | 12 | 40 | 0.1 | 13.8 | 1.4 | 0.053 |
| MAXIMUM | | | | | | | 6200> | 80000 | 980 | 3000> | 25.0 | 14.2 | 2.2 | 0.800 |
| ARITH MEAN | | | | | | | 1212G | 23493 | 118L | 6538 | 11.2 | 11.0 | 1.4 | 0.116 |
| GEOM MEAN | | | | | | | 708G | 10984 | 34L | 1198 | 4.6 | 10.8 | 1.3 | 0.084 |
| MINIMUM | | | | | | | 50 | 820 | 10< | 10< | 0.1 | 6.6 | 0.6 | 0.020 |
| STD DEV | | | | | | | 1621G | 25199 | 275L | 9888 | 10.2 | 2.5 | 0.5 | 0.142 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 14 | 14 | 12 | 14 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
| 80 01 07 1045 | | | .3 | 1 | 0.051 | 0.216 | 0.730 | 0.044 | 4.010 | 4.270 | 0.514 | 4.784 | 446.00 | 6.00 |
| 80 02 05 1410 | | | .3 | 1 | 0.037 | 0.520 | 1.120 | 0.076 | 4.100 | 4.696 | 0.600 | 5.296 | 581.00 | 10.00 |
| 80 03 12 1030 | | | .3 | 1 | 0.037 | 0.620 | 1.430 | 0.053 | 3.350 | 4.023 | 0.810 | 4.833 | 598.00 | 10.00 |
| 80 04 16 1230 | | | .3 | 1 | 0.086 | 0.234 | 1.850 | 0.052 | 3.350 | 3.636 | 1.616 | 5.252 | 583.00 | 294.00 |
| 80 05 13 1000 | | | .3 | 1 | 0.002 | 0.056 | 0.790 | 0.055 | 2.250 | 2.361 | 0.734 | 3.095 | 499.00 | 20.00 |
| 80 06 10 1020 | | | .3 | 1 | 0.009 | 0.032 | 0.920 | 0.047 | 2.450 | 2.529 | 0.888 | 3.417 | 506.0 | 43.0 |
| 80 07 07 2015 | | | .3 | 1 | 0.001 | 0.044 | 1.000 | 0.014 | 1.690 | 1.748 | 0.956 | 2.704 | | |
| 80 07 08 0530 | | | .3 | 1 | 0.001 | 0.050 | 0.900 | 0.016 | 1.680 | 1.746 | 0.850 | 2.596 | | |
| 80 07 16 1035 | | | .3 | 1 | 0.002 | 0.066 | 1.050 | 0.015 | 1.190 | 1.271 | 0.984 | 2.255 | 567.0 | 43.0 |
| 80 08 12 1045 | | | .3 | 1 | 0.011 | 0.023 | 0.980 | 0.011 | 1.140 | 1.174 | 0.957 | 2.131 | 502.0 | 39.0 |
| 80 09 04 1005 | | | .3 | 1 | 0.019 | 0.030 | 0.780 | 0.015 | 1.730 | 1.775 | 0.750 | 2.525 | 500.00 | 43.00 |
| 80 10 27 1058 | | | .3 | 1 | 0.017 | 0.116 | 0.750 | 0.044 | 2.310 | 2.470 | 0.634 | 3.104 | 448.00 | 7.00 |
| 80 11 20 1036 | | | .3 | 1 | 0.003 | 0.048 | 0.67 | 0.015 | 2.63 | 2.693 | 0.622 | 3.315 | 504 | 2 |
| 80 12 16 1029 | | | .3 | 1 | 0.027 | 0.250 | 1.040 | 0.026 | 4.470 | 4.746 | 0.790 | 5.536 | 475.00 | 6.00 |
| MAXIMUM | | | | | 0.086 | 0.620 | 1.850 | 0.076 | 4.470 | 4.746 | 1.616 | 5.536 | 598.00 | 294.00 |
| ARITH MEAN | | | | | 0.022 | 0.165 | 1.00 | 0.034 | 2.59 | 2.798 | 0.838 | 3.632 | 517 | 43 |
| GEOM MEAN | | | | | 0.010 | 0.094 | 0.96 | 0.028 | 2.37 | 2.633 | 0.804 | 3.444 | 515 | 17 |
| MINIMUM | | | | | 0.001 | 0.023 | 0.67 | 0.011 | 1.140 | 1.174 | 0.514 | 2.131 | 446.00 | 2 |
| STD DEV | | | | | 0.024 | 0.190 | 0.31 | 0.021 | 1.09 | 1.252 | 0.287 | 1.234 | 52 | 80 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | COLOUR APPARENT HZU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FWPH | PHNOL | FEUT | COLAP |
| 80 01 07 1045 | | | .3 | 1 | 440.00 | 620.0 | 8.70 | 30.500 | 74.000 | 8.03 | | | 0.490 | 46.000 |
| 80 02 05 1410 | | | .3 | 1 | 571.00 | 870.0 | 6.40 | 60.000 | 114.000 | 8.11 | | | 0.480 | 26.000 |
| 80 03 12 1030 | | | .3 | 1 | 588.00 | 840.0 | 11.00 | 85.000 | 111.000 | 8.08 | | | 0.660 | 39.000 |
| 80 04 16 1230 | | | .3 | 1 | 289.000 | 445.0 | 170.00 | 20.500 | 35.500 | 8.13 | | | 13.000 | 68 |
| 80 05 13 1000 | | | .3 | 1 | 479.00 | 700.0 | 13.00 | 47.500 | 46.000 | 8.40 | | | 0.780 | 27.000 |
| 80 06 10 1020 | | | .3 | 1 | 463.0 | 650.0 | 26.00 | 45.000 | 71.000 | 8.29 | | | | |
| 80 07 07 2015 | | | .3 | 1 | | 650 | | | | 8.42 | | | | |
| 80 07 08 0530 | | | .3 | 1 | | 650.0 | | | | 8.19 | 8.20 | | | |
| 80 07 16 1035 | | | .3 | 1 | 524 | 700 | 21.0 | 60.0 | 112.0 | 8.22 | | | 1.100 | 39 |
| 80 08 12 1045 | | | .3 | 1 | 463 | 650 | 22.0 | 38.0 | 80.0 | 8.48 | | | 1.220 | 34 |
| 80 09 04 1005 | | | .3 | 1 | 457.00 | 620.0 | 22.00 | 60 | 104.000 | 8.24 | | | 1.300 | 16.000 |
| 80 10 27 1058 | | | .3 | 1 | 441.00 | 690.0 | 6.30 | 45.000 | 85.000 | 8.42 | | | 0.380 | 27.000 |
| 80 11 20 1036 | | | .3 | 1 | 502 | 720 | 1.8 | 44 | 90.0 | 8.40 | | | 0.11 | 24 |
| 80 12 16 1029 | | | .3 | 1 | 469.00 | 740.0 | 4.90 | 46.000 | 80.000 | 8.28 | | 1.000< | 0.330 | 26.000 |
| MAXIMUM | | | | | 588.00 | 870.0 | 170.00 | 85.000 | 114.000 | 8.48 | 8.20 | 1.000 | 13.000 | 68 |
| ARITH MEAN | | | | | 473 | 681 | 26.0 | 48 | 83.5 | 8.26 | 8.20 | 1.000L | 1.80 | 33 |
| GEOM MEAN | | | | | 467 | 674 | 12.6 | 45 | 79.3 | 8.26 | | | 0.74 | 31 |
| MINIMUM | | | | | 289.000 | 445.0 | 1.8 | 20.500 | 35.500 | 8.03 | 8.20 | 1.000< | 0.11 | 16.000 |
| STD DEV | | | | | 76 | 101 | 46.0 | 18 | 26.1 | 0.14 | | | 3.73 | 14 |
| NO OF SAMPLES | | | | | 12 | 14 | 12 | 12 | 12 | 14 | 1 | 1 | 11 | 11 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHEM. OX DEMAND MG/L AS O | MANGANSE UNF.TOT. MG/L AS MN |
|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | COD | MNUT |
| 80 01 07 1045 | | | .3 | 1 | 10< | 0.028 |
| 80 02 05 1410 | | | .3 | 1 | 16 | 0.036 |
| 80 03 12 1030 | | | .3 | 1 | 10< | 0.039 |
| 80 04 16 1230 | | | .3 | 1 | 36 | 0.350 |
| 80 05 13 1000 | | | .3 | 1 | 40 | 0.058 |
| 80 07 16 1035 | | | .3 | 1 | 20 | 0.076 |
| 80 08 12 1045 | | | .3 | 1 | 30 | 0.072 |
| 80 09 04 1005 | | | .3 | 1 | 10 | 0.062 |
| 80 10 27 1058 | | | .3 | 1 | 10< | 0.028 |
| 80 11 20 1036 | | | .3 | 1 | 27 | 0.020 |
| 80 12 16 1029 | | | .3 | 1 | 24 | 0.027 |
| MAXIMUM | | | | | 40 | 0.350 |
| ARITH MEAN | | | | | 21L | 0.072 |
| GEOM MEAN | | | | | 19L | 0.049 |
| MINIMUM | | | | | 10< | 0.020 |
| STD DEV | | | | | 11L | 0.094 |
| NO OF SAMPLES | | | | | 11 | 11 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **FAIRCHILD CREEK**
SAMPLE POINT: **LOT G SOUTH OF HAMILTON RD.BRANTFORD TWP**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-093-02**

STORET CODE: **02**
**093**
**0150**

LAT
LONG
U T M: **17 0568750.0 4777300.0 4**
REGION: **02**
DISTANCE: **[illegible]**

| | | | TEST-NAME: | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 07 1010 | | | .3 | 1 | 29001 | 6 | 1100 | 1260 | 60I | 100 | 1.5 | 11.1 | 0.8 | 0.046 |
| 80 02 05 1445 | | | .3 | 1 | 29042 | 4 6 | 1000 | 1500 | 40I | 20< | 1.5 | 10.9 | 0.4 | 0.058 |
| 80 03 12 0955 | | | .3 | 1 | 29083 | 4 | 9300C | 43000 | 380 | 3000> | 0.5 | 13.0 | 3.4 | 0.145 |
| 80 04 16 1310 | | | .3 | 1 | 29124 | 3 6 | 5800C | 30000 | 680 | 15000> | 3.0 | 11.2 | 1.4 | 0.475 |
| 80 05 13 0925 | | | .3 | 1 | 29165 | 6 | 1200 | 18000 | 40I | 1000< | 13.5 | 9.5 | 0.6 | 0.106 |
| 80 06 10 0945 | | | .3 | 1 | 29206 | 6 | 2400C | 31500 | 300 | 400I | 12.0 | 9.8 | 1.4 | 0.112 |
| 80 07 10 1925 | | | .3 | 1 | 80169 | 6 | | | | | 26.0 | 5.9 | | 0.110 |
| 80 07 11 0405 | | | .3 | 1 | 80168 | 6 | | | | | 22.5 | 5.3 | | 0.182 |
| 80 07 16 1000 | | | .3 | 1 | 29247 | 6 | 2000I | 39000 | 340 | 460 | 22.0 | 6.0 | 1.6 | 0.148 |
| 80 08 12 1010 | | | .3 | 1 | 29288 | 6 | 2600C | 30000 | 440 | 580 | 21.0 | 7.9 | 1.2 | 0.150 |
| 80 09 04 0930 | | | .3 | 1 | 29329 | 6 | 17000 | 250000 | 780 | 580 | 18.5 | 8.3 | 1.6 | 0.258 |
| 80 10 27 1026 | | | .3 | 1 | 29370 | 6 | 36000 | 240000 | 760 | 3000> | 6.0 | 12.0 | 1.0 | 0.235 |
| 80 11 20 1003 | | | .3 | 1 | 29411 | 6 | 1000< | 3000 | 100< | 100I | 1.0 | 13.3 | 1.4 | 0.034 |
| 80 12 16 0957 | | | .3 | 1 | 29452 | 4 | 3900C | 51000 | 300 | 180I | 0.1 | 13.0 | 1.8 | 0.425 |
| MAXIMUM | | | | | | | 36000 | 250000 | 780 | 15000> | 26.0 | 13.3 | 3.4 | 0.475 |
| ARITH MEAN | | | | | | | 6642L | 61522 | 352L | 20358 | 10.6 | 9.8 | 1.4 | 0.177 |
| GEOM MEAN | | | | | | | 3367L | 22268 | 228L | 5098 | 4.6 | 9.4 | 1.2 | 0.137 |
| MINIMUM | | | | | | | 1000< | 1260 | 40< | 20< | 0.1 | 5.3 | 0.4 | 0.034 |
| STD DEV | | | | | | | 10204L | 87272 | 272L | 42158 | 9.8 | 2.7 | 0.8 | 0.133 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 14 | 14 | 12 | 14 |

| | | | TEST-NAME: | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 07 1010 | | | .3 | 1 | 0.025 | 0.048 | 0.560 | 0.010 | 2.340 | 2.398 | 0.512 | 2.910 | 401.0 | 11.0 |
| 80 02 05 1445 | | | .3 | 1 | 0.014 | 0.064 | 0.450 | 0.014 | 2.510 | 2.588 | 0.386 | 2.974 | 487.0 | 18.0 |
| 80 03 12 0955 | | | .3 | 1 | 0.067 | 0.352 | 1.400 | 0.035 | 1.810 | 2.197 | 1.048 | 3.245 | 426.0 | 24.0 |
| 80 04 16 1310 | | | .3 | 1 | 0.075 | 0.068 | 1.400 | 0.046 | 2.050 | 2.164 | 1.332 | 3.496 | 466.0 | 206.0 |
| 80 05 13 0925 | | | .3 | 1 | 0.014 | 0.028 | 0.680 | 0.016 | 0.734 | 0.778 | 0.652 | 1.430 | 414.0 | 47.0 |
| 80 06 10 0945 | | | .3 | 1 | 0.030 | 0.046 | 0.800 | 0.033 | 1.320 | 1.399 | 0.754 | 2.153 | 473.0 | 48.0 |
| 80 07 10 1925 | | | .3 | 1 | 0.023 | 0.060 | 0.620 | 0.043 | 0.667 | 0.770 | 0.560 | 1.330 | | |
| 80 07 11 0405 | | | .3 | 1 | 0.030 | 0.052 | 0.680 | 0.050 | 0.840 | 0.942 | 0.628 | 1.570 | | |
| 80 07 16 1000 | | | .3 | 1 | 0.037 | 0.090 | 0.680 | 0.032 | 0.663 | 0.785 | 0.590 | 1.375 | 486.0 | 82.0 |
| 80 08 12 1010 | | | .3 | 1 | 0.038 | 0.037 | 0.680 | 0.019 | 0.746 | 0.802 | 0.643 | 1.445 | 490.0 | 76.0 |
| 80 09 04 0930 | | | .3 | 1 | 0.049 | 0.100 | 0.880 | 0.063 | 3.000 | 3.163 | 0.780 | 3.943 | 419.0 | 87.0 |
| 80 10 27 1026 | | | .3 | 1 | 0.155 | 0.034 | 0.700 | 0.017 | 1.730 | 1.781 | 0.666 | 2.447 | 454.0 | 32.0 |
| 80 11 20 1003 | | | .3 | 1 | 0.010 | 0.036 | 0.45 | 0.007 | 1.24 | 1.283 | 0.414 | 1.697 | 490 | 13 |
| 80 12 16 0957 | | | .3 | 1 | 0.024 | 0.036 | 1.100 | 0.013 | 2.740 | 2.789 | 1.064 | 3.853 | 845.0 | 360.0 |
| MAXIMUM | | | | | 0.155 | 0.352 | 1.400 | 0.063 | 3.000 | 3.163 | 1.332 | 3.943 | 845.0 | 360.0 |
| ARITH MEAN | | | | | 0.042 | 0.075 | 0.79 | 0.028 | 1.59 | 1.703 | 0.716 | 2.419 | 487 | 83 |
| GEOM MEAN | | | | | 0.032 | 0.068 | 0.74 | 0.023 | 1.39 | 1.501 | 0.676 | 2.238 | 478 | 48 |
| MINIMUM | | | | | 0.010 | 0.028 | 0.450 | 0.007 | 0.663 | 0.770 | 0.386 | 1.330 | 401.0 | 11.0 |
| STD DEV | | | | | 0.038 | 0.082 | 0.30 | 0.017 | 0.82 | 0.844 | 0.266 | 0.872 | 117 | 102 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| | | | TEST-NAME: | | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | PH FIELD |
| 80 01 07 1010 | | | .3 | 1 | 390.0 | 650.0 | 9.30 | 23.500 | | 7.93 | |
| 80 02 05 1445 | | | .3 | 1 | 469.0 | 740.0 | 16.00 | 28.500 | | 7.83 | |
| 80 03 12 0955 | | | .3 | 1 | 402.0 | 600.0 | 29.00 | 68.000 | | 7.88 | |
| 80 04 16 1310 | | | .3 | 1 | 260.000 | 400.0 | 180.00 | 17.000 | | 7.91 | |
| 80 05 13 0925 | | | .3 | 1 | 367.0 | 600.0 | 28.00 | 23.500 | | 8.25 | |
| 80 06 10 0945 | | | .3 | 1 | 425.0 | 650.0 | 32.00 | 27.000 | 42.500 | 8.20 | |
| 80 07 10 1925 | | | .3 | 1 | | 550.0 | | | | 8.07 | 7.80 |
| 80 07 11 0405 | | | .3 | 1 | | 600.0 | | | | 7.92 | 7.90 |
| 80 07 16 1000 | | | .3 | 1 | 404 | 600 | 46.0 | 27.0 | | 8.03 | |
| 80 08 12 1010 | | | .3 | 1 | 414 | 600 | 41.0 | 24.0 | | 8.15 | |
| 80 09 04 0930 | | | .3 | 1 | 332.0 | 540.0 | 52.00 | 25.500 | | 8.05 | |
| 80 10 27 1026 | | | .3 | 1 | 422.0 | 680.0 | 24.00 | 36.500 | | 7.99 | |
| 80 11 20 1003 | | | .3 | 1 | 477 | 730 | 6.9 | 42.5 | | 8.27 | |
| 80 12 16 0957 | | | .3 | 1 | 485.0 | 760.0 | 150.00 | 35.500 | | 8.05 | |
| MAXIMUM | | | | | 485.0 | 760.0 | 180.00 | 68.000 | 42.500 | 8.27 | 7.90 |
| ARITH MEAN | | | | | 403 | 621 | 51.1 | 31.5 | 42.500 | 8.04 | 7.85 |
| GEOM MEAN | | | | | 398 | 614 | 33.0 | 29.5 | | 8.04 | 7.85 |
| MINIMUM | | | | | 260.000 | 400.0 | 6.9 | 17.000 | 42.500 | 7.83 | 7.80 |
| STD DEV | | | | | 63 | 93 | 55.2 | 13.3 | | 0.14 | 0.07 |
| NO OF SAMPLES | | | | | 12 | 14 | 12 | 12 | 1 | 14 | 2 |

SAMPLE INFORMATION SYSTEM    1980 WATER QUALITY DATA    DATE OF REPORT: 29 AUG 81

| | | |
|---|---|---|
| B.O.W./ SITE: **BOSTON CREEK**<br>SAMPLE POINT: **AT FIRST CONC ROAD WEST OF HIGHWAY NO 6**<br>STATION TYPE: **RIVER** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE ERIE**<br>TERM STREAM: **GRAND RIVER** | STATION ID: **16-0184-095-02**<br>STORET CODE: **02**<br>**993**<br>**0150** |
| LAT: LONG: | U T M: **17 0585650.0 4763550.0 4** | REGION: **02** DISTANCE: **48.246** |

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 07 1100 | | .3 | 1 | 29004 | 6 | 650 | 2100 | 284 | 160 | 0.5 | 11.9 | 0.4 | 0.032 |
| 80 02 05 1350 | | .3 | 1 | 29045 | 4 6 | 580 | 750 | 10< | 20I | 1.5 | 11.8 | 0.2 | 0.019 |
| 80 03 12 1115 | | .3 | 1 | 29086 | 4 | 9400C | 30500 | 36 | 124 | 0.5 | 15.2 | 2.6 | 0.080 |
| 80 04 16 1220 | | .3 | 1 | 29127 | 3 6 | 8600C | 37000 | 330 | 1500> | 3.5 | 11.2 | 0.8 | 0.335 |
| 80 05 13 1016 | | .3 | 1 | 29168 | 6 | 800I | 6800 | 110 | 100< | 13.0 | 9.5 | 0.4 | 0.041 |
| 80 06 10 1040 | | .3 | 1 | 29209 | 6 | 1850C | 22500 | 340 | 170 | 13.0 | 9.5 | 0.6 | 0.031 |
| 80 07 07 1945 | | .3 | 1 | 80071 | 8 | | | | | 24.5 | 8.3 | | 0.018 |
| 80 07 08 0450 | | .3 | 1 | 80070 | 8 | | | | | 21.0 | 5.8 | | 0.015 |
| 80 07 16 1100 | | .3 | 1 | 29250 | 7 | 300I | 6000 | 50I | 50I | 24.0 | 9.6 | 0.8 | 0.013 |
| 80 08 12 1105 | | .3 | 1 | 29291 | 6 | 1000 | 6600 | 60I | 200 | 21.0 | 10.2 | 0.6 | 0.017 |
| 80 09 04 1020 | | .3 | 1 | 29332 | 6 | 4200C | 70000 | 780 | 980 | 19.0 | 8.8 | 1.2 | 0.115 |
| 80 10 27 1115 | | .3 | 1 | 29373 | 6 | 12200C | 230000 | 280 | 800 | 5.0 | 13.0 | 1.4 | 0.058 |
| 80 11 20 1052 | | .3 | 1 | 29414 | 6 | 100< | 2000 | 40I | 100I | 2.1 | 15.0 | 2.4 | 0.011 |
| 80 12 16 1047 | | .3 | 1 | 29455 | 6 | 3150C | 15800 | 230 | 190 | 0.1 | 13.2 | 0.6 | 0.041 |
| MAXIMUM | | | | | | 12200 | 230000 | 780 | 1500> | 24.5 | 15.2 | 2.6 | 0.335 |
| ARITH MEAN | | | | | | 3569L | 35837 | 212L | 366L | 10.8 | 10.9 | 1.0 | 0.059 |
| GEOM MEAN | | | | | | 1587L | 11523 | 118L | 184L | 4.4 | 10.6 | 0.8 | 0.036 |
| MINIMUM | | | | | | 100< | 750 | 10< | 20< | 0.1 | 5.8 | 0.2 | 0.011 |
| STD DEV | | | | | | 4176L | 64370 | 218L | 468L | 9.7 | 2.6 | 0.8 | 0.086 |
| NO OF SAMPLES | | | | | | 12 | 12 | 12 | 12 | 14 | 14 | 12 | 14 |

| TEST-NAME: | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 07 1100 | | .3 | 1 | 0.023 | 0.060 | 0.590 | 0.014 | 3.790 | 3.864 | 0.530 | 4.394 | 983.0 | 4.0 |
| 80 02 05 1350 | | .3 | 1 | 0.010 | 0.064 | 0.390 | 0.015 | 2.020 | 2.099 | 0.326 | 2.425 | 1753.0 | 2.0 |
| 80 03 12 1115 | | .3 | 1 | 0.017 | 0.262 | 1.100 | 0.033 | 1.720 | 2.015 | 0.838 | 2.853 | 1078.0 | 37.0 |
| 80 04 16 1220 | | .3 | 1 | 0.083 | 0.052 | 1.250 | 0.054 | 1.950 | 2.056 | 1.198 | 3.254 | 363.0 | 142.0 |
| 80 05 13 1016 | | .3 | 1 | 0.015 | 0.026 | 0.480 | 0.003 | 0.047 | 0.076 | 0.454 | 0.530 | 1042.0 | 4.0 |
| 80 06 10 1040 | | .3 | 1 | 0.003 | 0.010 | 0.710 | 0.009 | 0.256 | 0.275 | 0.700 | 0.975 | 904.0 | 5.0 |
| 80 07 07 1945 | | .3 | 1 | 0.001 | 0.020 | 0.540 | 0.003 | 0.007 | 0.030 | 0.520 | 0.550 | | |
| 80 07 08 0450 | | .3 | 1 | 0.002 | 0.016 | 0.550 | 0.005 | 0.050 | 0.071 | 0.534 | 0.605 | | |
| 80 07 16 1100 | | .3 | 1 | 0.001 | 0.020 | 0.400 | 0.004 | 0.056 | 0.080 | 0.380 | 0.460 | 2062.0 | 4.0 |
| 80 08 12 1105 | | .3 | 1 | 0.002 | 0.015 | 0.380 | 0.001 | 0.009 | 0.025 | 0.365 | 0.390 | 1841.0 | 3.0 |
| 80 09 04 1020 | | .3 | 1 | 0.046 | 0.074 | 1.010 | 0.048 | 1.450 | 1.572 | 0.936 | 2.508 | 645.0 | 36 |
| 80 10 27 1115 | | .3 | 1 | 0.011 | 0.032 | 0.880 | 0.017 | 1.480 | 1.529 | 0.848 | 2.377 | 709.0 | 12.0 |
| 80 11 20 1052 | | .3 | 1 | 0.001< | 0.010 | 0.44 | 0.007 | 0.508 | 0.525 | 0.430 | 0.955 | 1247 | 11 |
| 80 12 16 1047 | | .3 | 1 | 0.017 | 0.028 | 0.860 | 0.037 | 5.710 | 5.775 | 0.832 | 6.607 | 1021.0 | 137.0 |
| MAXIMUM | | | | 0.083 | 0.262 | 1.250 | 0.054 | 5.710 | 5.775 | 1.198 | 6.607 | 2062.0 | 142.0 |
| ARITH MEAN | | | | 0.017L | 0.049 | 0.68 | 0.018 | 1.361 | 1.428 | 0.635 | 2.063 | 1137 | 33 |
| GEOM MEAN | | | | 0.007L | 0.031 | 0.63 | 0.010 | 0.345 | 0.465 | 0.589 | 1.403 | 1028 | 11 |
| MINIMUM | | | | 0.001< | 0.010 | 0.380 | 0.001 | 0.007 | 0.025 | 0.326 | 0.390 | 363.0 | 2.0 |
| STD DEV | | | | 0.023L | 0.065 | 0.28 | 0.018 | 1.676 | 1.701 | 0.260 | 1.821 | 610 | 51 |
| NO OF SAMPLES | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| TEST-NAME: | | | | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | PH FIELD |
| 80 01 07 1100 | | .3 | 1 | 979.0 | 1230.0 | 5.30 | 21.500 | 473.000 | 7.81 | |
| 80 02 05 1350 | | .3 | 1 | 1751.0 | 1950.0 | 2.60 | 26.500 | 1000.000 | 7.75 | |
| 80 03 12 1115 | | .3 | 1 | 1041.0 | 1280.0 | 20.00 | 21.500 | 519.000 | 7.92 | |
| 80 04 16 1220 | | .3 | 1 | 221.000 | 340.0 | 190.00 | 7.650 | 55.000 | 7.83 | |
| 80 05 13 1016 | | .3 | 1 | 1038.0 | 1250.0 | 3.20 | 17.000 | 549.000 | 8.03 | |
| 80 06 10 1040 | | .3 | 1 | 899.0 | 1050.0 | 5.30 | 13.000 | 396 | 8.11 | |
| 80 07 07 1945 | | .3 | 1 | | 1600.0 | | | | 8.09 | |
| 80 07 08 0450 | | .3 | 1 | | 1600.0 | | | | 7.90 | 7.80 |
| 80 07 16 1100 | | .3 | 1 | 2058 | 2100 | 1.6 | 28 | 1150 | 8.10 | |
| 80 08 12 1105 | | .3 | 1 | 1838 | 1900 | 1.3 | 25.0 | 1040.0 | 8.09 | |
| 80 09 04 1020 | | .3 | 1 | 609 | 800 | 30 | 11 | 281 | 7.88 | |
| 80 10 27 1115 | | .3 | 1 | 697.0 | 940.0 | 14.00 | 24.000 | 295.000 | 7.95 | |
| 80 11 20 1052 | | .3 | 1 | 1236 | 1460 | 0.85 | 31.5 | 630 | 8.14 | |
| 80 12 16 1047 | | .3 | 1 | 884.0 | 1120.0 | 7.10 | 28.000 | 378.000 | 7.95 | |
| MAXIMUM | | | | 2058 | 2100 | 190.00 | 31.5 | 1150 | 8.14 | 7.80 |
| ARITH MEAN | | | | 1104 | 1330 | 23 | 21 | 563 | 7.97 | 7.80 |
| GEOM MEAN | | | | 984 | 1228 | 6 | 19 | 450 | 7.97 | |
| MINIMUM | | | | 221.000 | 340.0 | 0.85 | 7.650 | 55.000 | 7.75 | 7.80 |
| STD DEV | | | | 538 | 481 | 53 | 7 | 337 | 0.13 | |
| NO OF SAMPLES | | | | 12 | 14 | 12 | 12 | 12 | 14 | 1 |

SAMPLE INFORMATION SYSTEM
1980 WATER QUALITY DATA
DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **MCKENZIE CREEK**
SAMPLE POINT: **AT FIRST CONC ROAD WEST OF HIGHWAY NO 6**
STATION TYPE: **RIVER FLOW GAUGE FED 02GB010**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-096-02**
STORET CODE: **02**
**003**
**0150**

LAT: LONG: U T M: **17 0585500.0 4764900.0 4** REGION: **02** DISTANCE: **40.000**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 07 1050 | | | .3 | 1 | 29003 | 6 | 1.040 | 340 | 1880 | 4< | 24 | 1.0 | 11.2 | 0.6 |
| 80 02 05 1400 | | | .3 | 1 | 29044 | 4 6 | 0.520 | 540 | 780 | 10< | 10< | 1.0 | 12.1 | 1.2 |
| 80 03 12 1050 | | | .3 | 1 | 29085 | 4 | 0.832 | 33000 | 49000 | 280 | 590 | 0.5 | 12.2 | 2.8 |
| 80 04 16 1210 | | | .3 | 1 | 29126 | 3 6 | 14.400 | 5800 | 20000 | 180I | 1020 | 4.0 | 11.4 | 0.6 |
| 80 05 13 1010 | | | .3 | 1 | 29167 | 6 | 0.830 | 800I | 11000 | 100I | 20< | 13.0 | 8.8 | 1.0 |
| 80 06 10 1045 | | | .3 | 1 | 29208 | 6 | 0.938 | 1550C | 38500 | 410 | 570 | 12.5 | 10.9 | 1.4 |
| 80 07 07 1955 | | | .3 | 1 | 80073 | 6 | 0.357 | | | | | 23.0 | 7.9 | |
| 80 07 08 0500 | | | .3 | 1 | 80072 | 6 | 0.344 | | | | | 21.0 | 6.3 | |
| 80 07 16 1055 | | | .3 | 1 | 29249 | 6 | 0.282 | 300 | 57500 | 140 | 370 | 22.0 | 6.4 | 1.8 |
| 80 08 12 1100 | | | .3 | 1 | 29290 | 6 | 0.320 | 400I | 16000 | 40I | 380 | 21.0 | 7.7 | 1.2 |
| 80 09 04 1015 | | | .3 | 1 | 29331 | 6 | 0.725 | 4500C | 50000 | 1340 | 1740 | 19.0 | 8.7 | 1.0 |
| 80 10 27 1108 | | | .3 | 1 | 29372 | 6 | 0.863 | 6100C | 38000 | 180I | 420 | 6.0 | 12.0 | 0.6 |
| 80 11 20 1047 | | | .3 | 1 | 29413 | 6 | 0.581 | 100< | 2500 | 20< | 20I | 1.4 | 14.2 | 1.0 |
| 80 12 16 1040 | | | .3 | 1 | 29454 | 6 | 0.880 | 2980C | 6600 | 3600 | 4600 | 0.1 | 13.0 | 0.6 |
| MAXIMUM | | | | | | | 14.400 | 33000 | 57500 | 3600 | 4600 | 23.0 | 14.2 | 2.8 |
| ARITH MEAN | | | | | | | 1.637 | 4701L | 24313 | 525L | 814L | 10.4 | 10.2 | 1.1 |
| GEOM MEAN | | | | | | | 0.750 | 1368L | 12697 | 119L | 224L | 4.4 | 9.9 | 1.0 |
| MINIMUM | | | | | | | 0.282 | 100< | 780 | 4< | 10< | 0.1 | 6.3 | 0.6 |
| STD DEV | | | | | | | 3.682 | 9183L | 21043 | 1035L | 1294L | 9.3 | 2.5 | 0.6 |
| NO OF SAMPLES | | | | | | | 14 | 12 | 12 | 12 | 12 | 14 | 14 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 07 1050 | | | .3 | 1 | 0.033 | 0.018 | 0.032 | 0.530 | 0.008 | 2.540 | 2.580 | 0.498 | 3.078 | 450.0 |
| 80 02 05 1400 | | | .3 | 1 | 0.018 | 0.008 | 0.008 | 0.240 | 0.009 | 2.790 | 2.807 | 0.232 | 3.039 | 682.0 |
| 80 03 12 1050 | | | .3 | 1 | 0.085 | 0.022 | 0.066 | 0.900 | 0.031 | 2.070 | 2.167 | 0.834 | 3.001 | 410.0 |
| 80 04 16 1210 | | | .3 | 1 | 0.340 | 0.070 | 0.040 | 1.150 | 0.061 | 0.789 | 0.890 | 1.110 | 2.000 | 390.0 |
| 80 05 13 1010 | | | .3 | 1 | 0.098 | 0.012 | 0.040 | 0.550 | 0.005 | 0.360 | 0.405 | 0.510 | 0.915 | 554.0 |
| 80 06 10 1045 | | | .3 | 1 | 0.210 | 0.032 | 0.050 | 1.100 | 0.031 | 1.020 | 1.101 | 1.050 | 2.151 | 545.0 |
| 80 07 07 1955 | | | .3 | 1 | 0.170 | 0.012 | 0.026 | 1.000 | 0.007 | 0.003 | 0.036 | 0.974 | 1.010 | |
| 80 07 08 0500 | | | .3 | 1 | 0.185 | 0.008 | 0.008 | 1.030 | 0.006 | 0.029 | 0.043 | 1.022 | 1.065 | |
| 80 07 16 1055 | | | .3 | 1 | 0.185 | 0.023 | 0.052 | 0.930 | 0.010 | 0.110 | 0.172 | 0.878 | 1.050 | 818.0 |
| 80 08 12 1100 | | | .3 | 1 | 0.170 | 0.039 | 0.031 | 0.750 | 0.013 | 0.397 | 0.441 | 0.719 | 1.160 | 685.0 |
| 80 09 04 1015 | | | .3 | 1 | 0.188 | 0.046 | 0.046 | 0.910 | 0.046 | 2.360 | 2.452 | 0.864 | 3.316 | 471 |
| 80 10 27 1108 | | | .3 | 1 | 0.068 | 0.024 | 0.040 | 0.620 | 0.008 | 1.290 | 1.338 | 0.580 | 1.918 | 423.0 |
| 80 11 20 1047 | | | .3 | 1 | 0.019 | 0.002 | 0.014 | 0.41 | 0.002 | 1.05 | 1.066 | 0.396 | 1.462 | 524 |
| 80 12 16 1040 | | | .3 | 1 | 0.030 | 0.014 | 0.008 | 0.670 | 0.012 | 2.840 | 2.860 | 0.662 | 3.522 | 487.0 |
| MAXIMUM | | | | | 0.340 | 0.070 | 0.066 | 1.150 | 0.061 | 2.840 | 2.860 | 1.110 | 3.522 | 818.0 |
| ARITH MEAN | | | | | 0.128 | 0.024 | 0.033 | 0.77 | 0.018 | 1.26 | 1.311 | 0.738 | 2.049 | 536 |
| GEOM MEAN | | | | | 0.091 | 0.017 | 0.027 | 0.71 | 0.012 | 0.63 | 0.704 | 0.682 | 1.830 | 523 |
| MINIMUM | | | | | 0.018 | 0.002 | 0.008 | 0.240 | 0.002 | 0.003 | 0.036 | 0.232 | 0.915 | 390.0 |
| STD DEV | | | | | 0.094 | 0.018 | 0.018 | 0.27 | 0.018 | 1.06 | 1.062 | 0.288 | 0.989 | 130 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | PH | PH FIELD |
| 80 01 07 1050 | | | .3 | 1 | 6.0 | 446.0 | 660.0 | 8.30 | 15.000 | 131.000 | 7.83 | |
| 80 02 05 1400 | | | .3 | 1 | 11.0 | 671.0 | 900.0 | 6.60 | 18.500 | 244.000 | 7.85 | |
| 80 03 12 1050 | | | .3 | 1 | 16.0 | 394.0 | 480.0 | 27.00 | 15.000 | 97.000 | 7.85 | |
| 80 04 16 1210 | | | .3 | 1 | 208.0 | 182.000 | 280.0 | 230.00 | 6.600 | 39.500 | 7.78 | |
| 80 05 13 1010 | | | .3 | 1 | 36.0 | 518.0 | 700.0 | 22.00 | 12.000 | 150.000 | 8.09 | |
| 80 06 10 1045 | | | .3 | 1 | 103.0 | 442.0 | 550.0 | 87.00 | 11.000 | 95.000 | 7.95 | |
| 80 07 07 1955 | | | .3 | 1 | | | 800 | | | | 8.22 | |
| 80 07 08 0500 | | | .3 | 1 | | | 800.0 | | | | 8.11 | 8.00 |
| 80 07 16 1055 | | | .3 | 1 | 108.0 | 710 | 850 | 68.0 | 14.5 | 294.0 | 7.91 | |
| 80 08 12 1100 | | | .3 | 1 | 92.0 | 583 | 700 | 57.0 | 14.0 | 165.0 | 8.01 | |
| 80 09 04 1015 | | | .3 | 1 | 100.0 | 371 | 560 | 63 | 14.5 | 120.0 | 7.92 | |
| 80 10 27 1108 | | | .3 | 1 | 13.0 | 410.0 | 610.0 | 16.00 | 16.500 | 108.000 | 8.03 | |
| 80 11 20 1047 | | | .3 | 1 | 7 | 517 | 650 | 4.4 | 16.5 | 130 | 8.22 | |
| 80 12 16 1040 | | | .3 | 1 | 10.0 | 477.0 | 660.0 | 8.00 | 18.500 | 119.000 | 7.96 | |
| MAXIMUM | | | | | 208.0 | 710 | 900.0 | 230.00 | 18.500 | 294.0 | 8.22 | 8.00 |
| ARITH MEAN | | | | | 69 | 476 | 657 | 49 | 14.3 | 141 | 7.98 | 8.00 |
| GEOM MEAN | | | | | 30 | 453 | 634 | 25 | 13.9 | 126 | 7.98 | |
| MINIMUM | | | | | 6.0 | 182.000 | 280.0 | 4.4 | 6.600 | 39.500 | 7.78 | 8.00 |
| STD DEV | | | | | 63 | 140 | 181 | 63 | 3.3 | 68 | 0.14 | |
| NO OF SAMPLES | | | | | 12 | 12 | 14 | 12 | 12 | 12 | 14 | 1 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **BRANTFORD WATER WORKS CANAL**
SAMPLE POINT: **AT WATER WORKS PARK FOOT BRIDGE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-097-02**

STORET CODE: **02**
**093**
**0150**

LAT:
LONG:
U T M: **17 0557150.0 4776350.0 4**
REGION: **02**
DISTANCE: **107.018**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 07 1210 | | | .3 | 1 | 29007 | 6 | 1200 | 3500 | 30I | 30I | 0.5 | 12.1 | 1.0 | 0.100 |
| 80 02 05 1140 | | | .3 | 1 | 29048 | 6 | 190 | 310 | 4< | 8 | 4.0 | 12.2 | 0.4 | 0.060 |
| 80 03 12 1240 | | | .3 | 1 | 29089 | 6 | 1410C | 6000 | 8 | 292 | 0.5 | 15.0 | 0.6 | 0.058 |
| 80 04 16 1050 | | | .3 | 1 | 29130 | 3 6 | 4900C | 38000 | 930 | 1500> | 2.5 | 12.3 | 1.4 | 0.395 |
| 80 05 13 1135 | | | .3 | 1 | 29171 | 6 | 400I | 8000 | 100 | 300I | 13.7 | 10.3 | 1.4 | 0.095 |
| 80 06 10 1145 | | | .3 | 1 | 29212 | 6 | 550C | 15500 | 70I | 30I | 15.0 | 11.6 | 0.6 | 0.076 |
| 80 07 10 1710 | | | .3 | 1 | 80163 | 6 | | | | | 27.5 | 10.5 | | 0.066 |
| 80 07 11 0330 | | | .3 | 1 | 80162 | 6 | | | | | 22.5 | 7.3 | | 0.073 |
| 80 07 16 1200 | | | .3 | 1 | 29253 | 6 | 250I | 8200 | 40I | 40I | 24.0 | 12.2 | 2.2 | 0.078 |
| 80 08 12 1200 | | | .3 | 1 | 29294 | 6 | 3500 | 12500 | 860 | 20I | 22.5 | 11.8 | 1.6 | 0.115 |
| 80 09 04 1125 | | | .3 | 1 | 29335 | 6 | 1100 | 12000 | 140I | 520 | 21.5 | 9.8 | 1.4 | 0.093 |
| 80 10 27 1311 | | | .3 | 1 | 29376 | 6 | 1400 | 9000 | 20< | 180I | 6.5 | 12.0 | 0.6 | 0.046 |
| 80 11 20 1204 | | | .3 | 1 | 29417 | 6 | 50I | 1350 | 20I | 10< | 2.4 | 13.8 | 1.0 | 0.021 |
| 80 12 16 1157 | | | .3 | 1 | 29458 | 6 | 1460C | 6800 | 10< | 50I | 0.1 | 14.5 | 1.4 | 0.041 |
| MAXIMUM | | | | | | | 4900 | 38000 | 930 | 1500> | 27.5 | 15.0 | 2.2 | 0.395 |
| ARITH MEAN | | | | | | | 1367 | 10097 | 188L | 2488 | 11.7 | 11.8 | 1.1 | 0.094 |
| GEOM MEAN | | | | | | | 755 | 6182 | 47L | 788 | 6.0 | 11.6 | 1.0 | 0.074 |
| MINIMUM | | | | | | | 50 | 310 | 4< | 8< | 0.1 | 7.3 | 0.4 | 0.021 |
| STD DEV | | | | | | | 1450 | 9862 | 334L | 4288 | 10.3 | 2.0 | 0.5 | 0.090 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 14 | 14 | 12 | 14 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 07 1210 | | | .3 | 1 | 0.055 | 0.284 | 1.030 | 0.036 | 3.710 | 4.030 | 0.746 | 4.776 | 427.00 | 5.00 |
| 80 02 05 1140 | | | .3 | 1 | 0.037 | 0.300 | 0.860 | 0.079 | 4.010 | 4.389 | 0.560 | 4.949 | 535.00 | 3.00 |
| 80 03 12 1240 | | | .3 | 1 | 0.043 | 0.440 | 1.080 | 0.034 | 3.920 | 4.394 | 0.640 | 5.034 | 641.00 | 4.00 |
| 80 04 16 1050 | | | .3 | 1 | 0.094 | 0.256 | 1.580 | 0.047 | 3.650 | 3.953 | 1.324 | 5.277 | 451.00 | 168.00 |
| 80 05 13 1135 | | | .3 | 1 | 0.005 | 0.048 | 0.800 | 0.069 | 2.280 | 2.397 | 0.752 | 3.149 | 475.00 | 22.00 |
| 80 06 10 1145 | | | .3 | 1 | 0.015 | 0.038 | 0.80 | 0.057 | 0.249 | 0.344 | 0.762 | 1.106 | 481 | 13 |
| 80 07 10 1710 | | | .3 | 1 | 0.005 | 0.098 | 0.870 | 0.028 | 1.720 | 1.846 | 0.772 | 2.618 | | |
| 80 07 11 0330 | | | .3 | 1 | 0.008 | 0.096 | 0.820 | 0.019 | 1.790 | 1.905 | 0.724 | 2.629 | | |
| 80 07 16 1200 | | | .3 | 1 | 0.001< | 0.022 | 1.000 | 0.022 | 1.080 | 1.124 | 0.978 | 2.102 | 516.0 | 16.0 |
| 80 08 12 1200 | | | .3 | 1 | 0.003 | 0.023 | 1.040 | 0.029 | 1.320 | 1.372 | 1.017 | 2.389 | 495.0 | 19.0 |
| 80 09 04 1125 | | | .3 | 1 | 0.025 | 0.018 | 0.770 | 0.015 | 1.924 | 1.957 | 0.752 | 2.709 | 422.0 | 13.0 |
| 80 10 27 1311 | | | .3 | 1 | 0.015 | 0.054 | 0.730 | 0.013 | 2.040 | 2.107 | 0.676 | 2.783 | 417.00 | 6.00 |
| 80 11 20 1204 | | | .3 | 1 | 0.003 | 0.042 | 0.65 | 0.019 | 2.78 | 2.841 | 0.608 | 3.449 | 491 | 3 |
| 80 12 16 1157 | | | .3 | 1 | 0.023 | 0.246 | 0.980 | 0.024 | 4.030 | 4.300 | 0.734 | 5.034 | 461.00 | 4.00 |
| MAXIMUM | | | | | 0.094 | 0.440 | 1.580 | 0.079 | 4.030 | 4.394 | 1.324 | 5.277 | 641.00 | 168.00 |
| ARITH MEAN | | | | | 0.024L | 0.140 | 0.92 | 0.036 | 2.46 | 2.640 | 0.789 | 3.429 | 484 | 23 |
| GEOM MEAN | | | | | 0.012L | 0.084 | 0.90 | 0.030 | 2.05 | 2.217 | 0.770 | 3.180 | 481 | 9 |
| MINIMUM | | | | | 0.001< | 0.018 | 0.65 | 0.013 | 0.249 | 0.344 | 0.560 | 1.106 | 417.00 | 3.00 |
| STD DEV | | | | | 0.026L | 0.137 | 0.22 | 0.021 | 1.23 | 1.362 | 0.197 | 1.337 | 61 | 46 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | SSO4UR | ALKT | PH | FWPH | PHNOL | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE |
| 80 01 07 1210 | | | .3 | 1 | 422.00 | 580.0 | 7.90 | 27.000 | 60.000 | 190 | 8.08 | | 1.000< | 0.440 |
| 80 02 05 1140 | | | .3 | 1 | 532.00 | 810.0 | 2.60 | 55.000 | 99.000 | 239.0 | 8.04 | | 1.000< | 0.120 |
| 80 03 12 1240 | | | .3 | 1 | 637.00 | 950.0 | 3.50 | 120.000 | 103.000 | 201.0 | 8.23 | | 1.000< | 0.190 |
| 80 04 16 1050 | | | .3 | 1 | 283.000 | 435.0 | 150.00 | 21.000 | 32.500 | 157.0 | 8.15 | | 1.000< | 11.000 |
| 80 05 13 1135 | | | .3 | 1 | 453.00 | 700.0 | 8.70 | 50.000 | 86.000 | 192.0 | 8.46 | | 1.000< | 0.880 |
| 80 06 10 1145 | | | .3 | 1 | 468 | 650 | 6.7 | 42.5 | 63.0 | 208 | 8.49 | | 1 < | 54 |
| 80 07 10 1710 | | | .3 | 1 | | 700.0 | | | | | 8.58 | 8.50 | | |
| 80 07 11 0330 | | | .3 | 1 | | 700.0 | | | | | 8.33 | 8.30 | | |
| 80 07 16 1200 | | | .3 | 1 | 500 | 700 | 6.9 | 56.0 | 101.0 | 161 | 8.68 | | 1 < | 0.460 |
| 80 08 12 1200 | | | .3 | 1 | 476 | 650 | 8.8 | 45.0 | 81.0 | 184 | 8.61 | | 1 < | 0.600 |
| 80 09 04 1125 | | | .3 | 1 | 409 | 640 | 1.20 | 43.5 | 86.0 | 182 | 8.13 | | 1.0 < | 0.430 |
| 80 10 27 1311 | | | .3 | 1 | 411.00 | 650.0 | 4.30 | 41.000 | 77.000 | 198.0 | 8.25 | | 1.000< | 0.280 |
| 80 11 20 1204 | | | .3 | 1 | 488 | 720 | 1.4 | 46.5 | 84.0 | 228 | 8.41 | | 1 < | 0.10 |
| 80 12 16 1157 | | | .3 | 1 | 457.00 | 750.0 | 4.10 | 45.500 | 76.000 | 250.0 | 8.34 | | 1.000< | 0.180 |
| MAXIMUM | | | | | 637.00 | 950.0 | 150.00 | 120.000 | 103.000 | 250.0 | 8.68 | 8.50 | 1.000 | 54 |
| ARITH MEAN | | | | | 461 | 688 | 17.1 | 49.4 | 79.0 | 199 | 8.34 | 8.40 | 1 L | 5 |
| GEOM MEAN | | | | | 463 | 679 | 5.6 | 46.3 | 76.0 | 197 | 8.34 | 8.40 | 1 L | 0 |
| MINIMUM | | | | | 283.000 | 435.0 | 1.20 | 21.000 | 32.500 | 157.0 | 8.04 | 8.30 | 1.000< | 0.10 |
| STD DEV | | | | | 83 | 114 | 41.9 | 24.4 | 19.9 | 28 | 0.20 | 0.14 | 0 L | 15 |
| NO OF SAMPLES | | | | | 12 | 14 | 12 | 12 | 12 | 12 | 14 | 2 | 12 | 12 |

| TEST-NAME: | | | | | COLAP | COD | ASUT | HGUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | CHEM. OX DEMAND MG/L AS O | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 01 07 1210 | | | .3 | 1 | 39.000 | 10< | 0.001< | 0.770 | 0.500 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< |
| 80 02 05 1140 | | | .3 | 1 | 16.000 | 22 | | | 0.120 | 0.020< | 0.020 | 0.030< | 0.005 < | 0.020 |
| 80 03 12 1240 | | | .3 | 1 | 32.000 | 10< | 0.001< | | 0.110 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.020 |
| 80 04 16 1050 | | | .3 | 1 | 42 | 22 | 0.002 | | | 0.020< | 0.010< | 0.030< | 0.005 < | 0.040 |
| 80 05 13 1135 | | | .3 | 1 | 32.000 | 40 | 0.006 | | 0.710 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.020 |
| 80 06 10 1145 | | | .3 | 1 | 36 | 16 | 0.001< | | 0.16 | 0.02 < | 0.01 < | 0.03 < | 0.005 < | 0.01 < |
| 80 07 16 1200 | | | .3 | 1 | 37 | 32 | 0.001 | | 0.310 | 0.020 | 0.010< | 0.030< | 0.005 < | 0.010< |
| 80 08 12 1200 | | | .3 | 1 | 35 | 12 | 0.001 | | 0.320 | 0.002< | 0.005 | 0.003 | 0.0002 | 0.011 |
| 80 09 04 1125 | | | .3 | 1 | 21 | 20 | 0.002 | | 0.320 | 0.002< | 0.005 | 0.003< | 0.0002< | 0.009 |
| 80 10 27 1311 | | | .3 | 1 | 34.000 | 15 | 0.001< | | 0.120 | 0.003 | 0.006 | 0.003< | 0.0002< | 0.019 |
| 80 11 20 1204 | | | .3 | 1 | 24 | 35 | 0.001 | | 0.062 | 0.001< | 0.003 | 0.003< | 0.0002< | 0.019 |
| 80 12 16 1157 | | | .3 | 1 | 24.000 | 26 | 0.001< | | 0.12 | 0.002< | 0.003 | 0.003< | 0.0005 | 0.020 |
| MAXIMUM | | | | | 42 | 40 | 0.006 | 0.770 | 0.710 | 0.020 | 0.020 | 0.030 | 0.005 | 0.040 |
| ARITH MEAN | | | | | 31 | 22L | 0.002L | 0.770 | 0.25 | 0.01 L | 0.00 L | 0.01 L | 0.003 L | 0.01 L |
| GEOM MEAN | | | | | 29 | 20L | 0.001L | | 0.20 | 0.00 L | 0.00 L | 0.01 L | 0.001 L | 0.01 L |
| MINIMUM | | | | | 16.000 | 10< | 0.001< | 0.770 | 0.062 | 0.001< | 0.003< | 0.003< | 0.0002< | 0.009< |
| STD DEV | | | | | 7 | 10L | 0.002L | | 0.20 | 0.00 L | 0.00 L | 0.01 L | 0.002 L | 0.00 L |
| NO OF SAMPLES | | | | | 12 | 12 | 11 | 1 | 11 | 12 | 12 | 12 | 12 | 12 |

(CONTD)

B.O.W./SITE: **BRANTFORD WATER WORKS CANAL**
SAMPLE POINT: **AT WATER WORKS PARK FOOT BRIDGE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-097-02**
STORET CODE: **02 003 0150**

LAT: LONG: U.T.M.: **17 0557150.0 4776350.0 4** REGION: **02** DISTANCE: **107.018**

| TEST-NAME: | | | | | MNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 01 07 1210 | | | .3 | 1 | 0.026 | 0.020 | 0.020 < |
| 80 02 05 1140 | | | .3 | 1 | 0.018 | 0.020< | 0.130 |
| 80 03 12 1240 | | | .3 | 1 | 0.025 | 0.070 | 0.020 < |
| 80 04 16 1050 | | | .3 | 1 | 0.210 | 0.020< | 0.020 < |
| 80 05 13 1135 | | | .3 | 1 | 0.068 | 0.020 | 0.020 < |
| 80 06 10 1145 | | | .3 | 1 | 0.050 | 0.02 < | 0.02 < |
| 80 07 16 1200 | | | .3 | 1 | 0.052 | 0.020< | 0.020 < |
| 80 08 12 1200 | | | .3 | 1 | 0.056 | 0.005 | 0.002 |
| 80 09 04 1125 | | | .3 | 1 | 0.040 | 0.007 | 0.002 < |
| 80 10 27 1311 | | | .3 | 1 | 0.026 | 0.007 | 0.002 < |
| 80 11 20 1204 | | | .3 | 1 | 0.020 | 0.008 | 0.0005< |
| 80 12 16 1157 | | | .3 | 1 | 0.034 | 0.005 | 0.0005< |
| MAXIMUM | | | | | 0.210 | 0.070 | 0.130 |
| ARITH MEAN | | | | | 0.052 | 0.01 L | 0.02 L |
| GEOM MEAN | | | | | 0.040 | 0.01 L | 0.00 L |
| MINIMUM | | | | | 0.018 | 0.005< | 0.0005< |
| STD DEV | | | | | 0.052 | 0.01 L | 0.03 L |
| NO OF SAMPLES | | | | | 12 | 12 | 12 |

B.O.W./SITE: **BADEN CREEK**
SAMPLE POINT: **AT BLEAMS ROAD DOWNSTREAM FROM BADEN STP**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-098-02**
STORET CODE: **02 003 0150**

LAT: LONG: U.T.M.: **17 0527050.0 4803000.0 4** REGION: **02** DISTANCE: **235.025**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 14 1125 | | | .3 | 1 | 29035 | 6 | 14000C | 90000 | 2220 | 10600 | 1.0 | 13.6 | 4.6 | 0.223 |
| 80 02 11 1030 | | | .3 | 1 | 29076 | 4 6 | 13200 | 16000 | 2200 | 3700 | 0.7 | 13.5 | 1.2 | 0.162 |
| 80 03 04 1115 | | | .3 | 1 | 29118 | 4 | 15000 | 22000 | 1000 | 700I | 0.5 | 13.4 | 1.0 | 0.180 |
| 80 04 02 0955 | | | .3 | 1 | 29159 | 3 6 | 1380 | 2080 | | 620 | 2.5 | 12.0 | 0.8 | 0.150 |
| 80 05 14 1115 | | | .3 | 1 | .9200 | 6 | 8100 | 20000 | 2500 | 3000> | 9.5 | 11.6 | 2.6 | 0.201 |
| 80 06 03 1245 | | | .3 | 1 | 29241 | 3 | 141000C | 800000 | 15000> | 15000> | 15.0 | 8.9 | 5.6 | 0.831 |
| 80 07 08 1325 | | | .3 | 1 | 29282 | 6 | 33000 | 145000 | 5000I | 5000I | 19.5 | 7.4 | 3.8 | 0.522 |
| 80 07 10 1310 | | | .3 | 1 | 80149 | 6 | | | | | 21.0 | 6.8 | | 0.525 |
| 80 07 11 0120 | | | .3 | 1 | 80148 | 6 | | | | | 22.5 | 4.0 | | 0.675 |
| 80 08 06 1035 | | | .3 | 1 | 29323 | 6 | 28000 | 87000 | 550 | 3700 | 20.0 | 7.3 | 2.8 | 0.430 |
| 80 09 17 1135 | | | .3 | 1 | 29364 | 6 | 128000C | 700000 | 128000 | 128000 | 14.0 | 8.4 | 6.6 | 0.705 |
| 80 10 23 1310 | | | .3 | 1 | 29405 | 6 | 6500C | 26000 | 3900 | 3000I | 5.5 | 12.4 | 3.4 | 0.153 |
| 80 11 19 1126 | | | .3 | 1 | 29446 | 6 | 9100C | 29000 | 3400 | 1300 | 0.9 | 13.5 | 2.0 | 0.315 |
| 80 12 17 1113 | | | .3 | 1 | 29487 | 6 | 5700 | 18000 | 900I | 100< | 0.1 | 13.0 | 0.8 | 0.164 |
| MAXIMUM | | | | | | | 141000 | 800000 | 128000> | 128000> | 22.5 | 13.6 | 6.6 | 0.831 |
| ARITH MEAN | | | | | | | 33682 | 162923 | 14970G | 14560B | 9.5 | 10.4 | 2.9 | 0.374 |
| GEOM MEAN | | | | | | | 15373 | 47330 | 3428G | 3072B | 3.9 | 9.9 | 2.3 | 0.309 |
| MINIMUM | | | | | | | 1380 | 2080 | 550 | 100< | 0.1 | 4.0 | 0.8 | 0.150 |
| STD DEV | | | | | | | 48077 | 278168 | 37701G | 36993B | 8.9 | 3.2 | 1.9 | 0.238 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 11 | 12 | 14 | 14 | 12 | 14 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 14 1125 | | | .3 | 1 | 0.052 | 1.960 | 3.890 | 0.042 | 6.210 | 8.212 | 1.930 | 10.142 | 491.0 | 90.0 |
| 80 02 11 1030 | | | .3 | 1 | 0.073 | 0.216 | 0.930 | 0.027 | 3.920 | 4.163 | 0.714 | 4.877 | 400.0 | 31.0 |
| 80 03 04 1115 | | | .3 | 1 | 0.120 | 0.450 | 1.100 | 0.030 | 3.820 | 4.300 | 0.650 | 4.950 | 404.0 | 18.0 |
| 80 04 02 0955 | | | .3 | 1 | 0.072 | 0.830 | 1.660 | 0.049 | 3.930 | 4.809 | 0.830 | 5.639 | 456.0 | 17.0 |
| 80 05 14 1115 | | | .3 | 1 | 0.084 | 0.690 | 1.710 | 0.140 | 2.760 | 3.590 | 1.020 | 4.610 | 477.0 | 29.0 |
| 80 06 03 1245 | | | .3 | 1 | 0.550 | 0.210 | 3.450 | 0.290 | 8.110 | 8.610 | 3.240 | 11.850 | 635.0 | 88.0 |
| 80 07 08 1325 | | | .3 | 1 | 0.355 | 0.360 | 1.250 | 0.435 | 2.360 | 3.155 | 0.890 | 4.045 | 465.0 | 64.0 |
| 80 07 10 1310 | | | .3 | 1 | 0.370 | 0.058 | 0.920 | 0.380 | 2.670 | 3.108 | 0.862 | 3.970 | | |
| 80 07 11 0120 | | | .3 | 1 | 0.650 | 0.184 | 1.350 | 0.540 | 2.910 | 3.634 | 1.166 | 4.800 | | |
| 80 08 06 1035 | | | .3 | 1 | 0.275 | 0.100 | 1.150 | 0.150 | 2.350 | 2.600 | 1.050 | 3.650 | 437.0 | 68.0 |
| 80 09 17 1135 | | | .3 | 1 | 0.340 | 0.234 | 2.400 | 0.205 | 2.250 | 2.689 | 2.166 | 4.855 | 541.0 | 128.0 |
| 80 10 23 1310 | | | .3 | 1 | 0.092 | 0.242 | 0.910 | 0.330 | 3.120 | 3.692 | 0.668 | 4.360 | 410.0 | 11.0 |
| 80 11 19 1126 | | | .3 | 1 | 0.250 | 0.51 | 1.12 | 0.027 | 2.92 | 3.457 | 0.610 | 4.067 | 436 | 13 |
| 80 12 17 1113 | | | .3 | 1 | 0.135 | 0.210 | 0.580 | 0.024 | 4.380 | 4.614 | 0.370 | 4.984 | 476.0 | 21.0 |
| MAXIMUM | | | | | 0.650 | 1.960 | 3.890 | 0.540 | 8.110 | 8.610 | 3.240 | 11.850 | 635.0 | 128.0 |
| ARITH MEAN | | | | | 0.244 | 0.44 | 1.60 | 0.191 | 3.69 | 4.331 | 1.165 | 5.406 | 489 | 46 |
| GEOM MEAN | | | | | 0.180 | 0.30 | 1.38 | 0.110 | 3.43 | 4.061 | 0.980 | 5.145 | 465 | 35 |
| MINIMUM | | | | | 0.052 | 0.058 | 0.580 | 0.024 | 2.250 | 2.600 | 0.370 | 3.650 | 400.0 | 11.0 |
| STD DEV | | | | | 0.190 | 0.48 | 0.98 | 0.176 | 1.65 | 1.850 | 0.778 | 2.414 | 66 | 38 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

(CONTD)

| TEST-NAME: | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 14 1125 | | .3 | 1 | 401.0 | 640.0 | 42.00 | 33.500 | 7.98 | |
| 80 02 11 1030 | | .3 | 1 | 369.0 | 590.0 | 14.00 | 27.000 | 7.98 | |
| 80 03 04 1115 | | .3 | 1 | 386.0 | 620.0 | 11.00 | 26.500 | 8.02 | |
| 80 04 02 0955 | | .3 | 1 | 439.0 | 680.0 | 7.80 | 51.000 | 7.99 | |
| 80 05 14 1115 | | .3 | 1 | 448.0 | 650.0 | 18.00 | 46.000 | 8.13 | |
| 80 06 03 1245 | | .3 | 1 | 547.0 | 750.0 | 45.00 | 88.000 | 7.96 | |
| 80 07 08 1325 | | .3 | 1 | 401 | 600 | 29.0 | 31.0 | 7.81 | |
| 80 07 10 1310 | | .3 | 1 | | 550.0 | | | 7.90 | 7.75 |
| 80 07 11 0120 | | .3 | 1 | | 600.0 | | | 7.83 | 7.60 |
| 80 08 06 1035 | | .3 | 1 | 369 | 600 | 23.0 | 36.0 | 7.92 | |
| 80 09 17 1135 | | .3 | 1 | 413.0 | 620.0 | 6.10 | 31.000 | 7.75 | |
| 80 10 23 1310 | | .3 | 1 | 399.0 | 660.0 | 8.50 | 35.000 | 8.27 | |
| 80 11 19 1126 | | .3 | 1 | 423 | 680 | 3.6 | 40.0 | 7.98 | |
| 80 12 17 1113 | | .3 | 1 | 455.0 | 750.0 | 11.00 | 42.500 | 8.03 | |
| MAXIMUM | | | | 547.0 | 750.0 | 45.00 | 88.000 | 8.27 | 7.76 |
| ARITH MEAN | | | | 420 | 642 | 18.2 | 40.6 | 7.97 | 7.67 |
| GEOM MEAN | | | | 418 | 639 | 13.9 | 38.3 | 7.97 | 7.67 |
| MINIMUM | | | | 369.0 | 550.0 | 3.6 | 26.500 | 7.75 | 7.60 |
| STD DEV | | | | 48 | 58 | 13.8 | 16.6 | 0.13 | 0.11 |
| NO OF SAMPLES | | | | 12 | 14 | 12 | 12 | 14 | 2 |

B.O.W./ SITE: **SPEED RIVER**
SAMPLE POINT: **ABOVE GUELPH RESERVOIR ARMSTRONG MILLS**
STATION TYPE: **RIVER FLOW GAUGE FED 02GA040**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-099-02**
STORET CODE: **02**
**003**
**0150**

LAT: LONG: U T M: **17 0558875.0 4831900.0 4** REGION: **02** DISTANCE: **191.507**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 08 1030 | | .3 | 1 | 29015 | 6 | 1.230 | 136 | 1000 | 18 | 14 | 0.5 | 12.7 | 0.4 |
| 80 02 13 1005 | | .3 | 1 | 29056 | 4 6 | 0.200 | 64 | 84 | 2< | 12 | 0.0 | 12.0 | 0.2 |
| 80 03 10 1005 | | .3 | 1 | 29097 | 6 | 0.140 | 128 | 820 | 20 | 2< | 0.5 | 13.5 | 0.2 |
| 80 03 21 1100 | | .3 | 1 | 29998 | 3 6 | 46.000 | 14000 | 53000 | 160 | 1500 | 0.5 | 12.5 | 5.6 |
| 80 04 01 1355 | | .3 | 1 | 29138 | 3 6 | 4.650 | 8 | 344 | | 4< | 3.0 | 13.2 | 0.2 |
| 80 05 29 0945 | | .3 | 1 | 29179 | 3 | 0.500 | 600> | 9600> | 600> | 372 | 14.5 | 10.2 | 1.2 |
| 80 06 18 1010 | | .3 | 1 | 29220 | 6 | 0.536 | 900I | 13400 | 100I | 10I | 15.5 | 11.6 | 1.0 |
| 80 07 08 1620 | | .3 | 1 | 80097 | 6 | 0.441 | | | | | 26.0 | 8.6 | |
| 80 07 09 0225 | | .3 | 1 | 80096 | 6 | 0.635 | | | | | 20.0 | 6.0 | |
| 80 07 21 1120 | | .3 | 1 | 29261 | 6 | 0.409 | 800 | 11000 | 430 | 230 | 23.0 | 10.6 | 0.2 |
| 80 08 18 1020 | | .3 | 1 | 29302 | 6 | 0.291 | 320C | 10600 | 40I | 270 | 18.0 | 8.7 | 0.6 |
| 80 09 24 1005 | | .3 | 1 | 29343 | 6 | 1.560 | 3700 | 20000 | 530 | 760 | 14.0 | 9.8 | 1.0 |
| 80 10 20 0950 | | .3 | 1 | 29384 | 6 | 1.430 | 1300 | 11000 | 20I | 130 | 7.3 | 12.7 | 0.4 |
| 80 11 26 0943 | | .3 | 1 | 29425 | 6 | 0.711 | 64 | 1120 | 4 | 16 | 0.2 | 14.4 | 0.5 |
| 80 12 10 0953 | | .3 | 1 | 29466 | 6 3 | 4.030 | 500C | 49000 | 200 | 316 | 0.1 | 13.9 | 0.2< |
| MAXIMUM | | | | | | 46.000 | 14000> | 53000> | 600> | 1500 | 26.0 | 14.4 | 5.6 |
| ARITH MEAN | | | | | | 4.184 | 1732G | 13921G | 177B | 280L | 9.5 | 11.4 | 0.9L |
| GEOM MEAN | | | | | | 0.944 | 372G | 4394G | 56B | 63L | 3.2 | 11.1 | 0.5L |
| MINIMUM | | | | | | 0.140 | 8 | 84 | 2< | 2< | 0.0 | 6.0 | 0.2< |
| STD DEV | | | | | | 11.647 | 3814G | 17607G | 219B | 427L | 9.5 | 2.3 | 1.5L |
| NO OF SAMPLES | | | | | | 15 | 13 | 13 | 12 | 13 | 16 | 15 | 13 |

| TEST-NAME: | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 08 1030 | | .3 | 1 | 0.012 | 0.001< | 0.018 | 0.520 | 0.006 | 2.990 | 3.014 | 0.502 | 3.516 | 409.0 |
| 80 02 13 1005 | | .3 | 1 | 0.003 | 0.001 | 0.038 | 0.340 | 0.015 | 3.580 | 3.633 | 0.302 | 3.935 | 368.0 |
| 80 03 10 1005 | | .3 | 1 | 0.005 | 0.003 | 0.060 | 0.380 | 0.017 | 3.030 | 3.107 | 0.320 | 3.427 | 336.0 |
| 80 03 21 1100 | | .3 | 1 | 0.045 | 0.110 | 0.680 | 2.630 | 0.038 | 1.260 | 1.978 | 1.950 | 3.928 | 304.0 |
| 60 04 01 1355 | | .3 | 1 | 0.025 | 0.008 | 0.056 | 0.510 | 0.010 | 1.350 | 1.416 | 0.454 | 1.870 | 244.0 |
| 80 05 29 0945 | | .3 | 1 | 0.083 | 0.017 | 0.238 | 0.980 | 0.020 | 1.230 | 1.488 | 0.742 | 2.230 | 315.0 |
| 80 06 18 1010 | | .3 | 1 | 0.018 | 0.005 | 0.016 | 0.600 | 0.009 | 0.751 | 0.776 | 0.584 | 1.360 | 307.0 |
| 80 07 08 1620 | | .3 | 1 | 0.024 | 0.006 | 0.050 | 0.800 | 0.017 | 0.588 | 0.655 | 0.750 | 1.405 | |
| 80 07 09 0225 | | .3 | 1 | 0.020 | 0.002 | 0.034 | 0.710 | 0.013 | 0.677 | 0.724 | 0.676 | 1.400 | |
| 80 07 21 1120 | | .3 | 1 | 0.028 | 0.001 | 0.036 | 0.680 | 0.022 | 0.678 | 0.736 | 0.644 | 1.380 | 316.0 |
| 80 08 18 1020 | | .3 | 1 | 0.015 | 0.002 | 0.018 | 0.590 | 0.009 | 0.756 | 0.783 | 0.572 | 1.355 | 326.0 |
| 80 09 24 1005 | | .3 | 1 | 0.019 | 0.004 | 0.036 | 0.640 | 0.006 | 0.549 | 0.591 | 0.604 | 1.195 | 271.0 |
| 80 10 20 0950 | | .3 | 1 | 0.015 | 0.004 | 0.038 | 0.600 | 0.004 | 0.846 | 0.888 | 0.562 | 1.450 | 319.0 |
| 80 11 26 0943 | | .3 | 1 | 0.006 | 0.001< | 0.008 | 0.50 | 0.003 | 1.50 | 1.511 | 0.492 | 2.003 | 322 |
| 80 12 10 0953 | | .3 | 1 | 0.017 | 0.003 | 0.012 | 0.260 | 0.006 | 1.690 | 1.708 | 0.248 | 1.956 | 290.0 |
| MAXIMUM | | | | 0.083 | 0.110 | 0.680 | 2.630 | 0.038 | 3.580 | 3.633 | 1.950 | 3.935 | 409.0 |
| ARITH MEAN | | | | 0.022 | 0.011L | 0.089 | 0.71 | 0.013 | 1.43 | 1.534 | 0.627 | 2.161 | 317 |
| GEOM MEAN | | | | 0.016 | 0.004L | 0.039 | 0.61 | 0.010 | 1.18 | 1.280 | 0.564 | 1.971 | 315 |
| MINIMUM | | | | 0.003 | 0.001< | 0.008 | 0.260 | 0.003 | 0.549 | 0.591 | 0.248 | 1.195 | 244.0 |
| STD DEV | | | | 0.020 | 0.028L | 0.173 | 0.55 | 0.009 | 0.98 | 0.994 | 0.398 | 1.013 | 40 |
| NO OF SAMPLES | | | | 15 | 16 | 15 | 16 | 15 | 15 | 15 | 15 | 15 | 13 |

| TEST-NAME: | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 08 1030 | | .3 | 1 | 1.0 | 408.0 | 590.0 | 1.40 | 15.500 | 7.94 | |
| 80 02 13 1005 | | .3 | 1 | 6.0 | 362.0 | 590.0 | 1.70 | 13.500 | 7.84 | |
| 80 03 10 1005 | | .3 | 1 | 2.0 | 334.0 | 545.0 | 0.75 | 13.000 | 7.93 | |
| 80 03 21 1100 | | .3 | 1 | 184.0 | 120.000 | 185.0 | 45.00 | 5.800 | 7.74 | |
| 80 04 01 1355 | | .3 | 1 | 3.0 | 241.000 | 370.0 | 1.50 | 9.000 | 8.15 | |
| 80 05 29 0945 | | .3 | 1 | 2.0 | 313.0 | 480.0 | 1.30 | 12.000 | 8.25 | |
| 80 06 18 1010 | | .3 | 1 | 3.0 | 304.0 | 460.0 | 1.70 | 11.500 | 8.43 | |
| 80 07 08 1620 | | .3 | 1 | | | 435.0 | | | 8.43 | 8.25 |
| 80 07 09 0225 | | .3 | 1 | | | 440.0 | | | 8.15 | 8.15 |
| 80 07 21 1120 | | .3 | 1 | 3.0 | 313.0 | 465.0 | 1.80 | 12.000 | 8.17 | |
| 80 08 18 1020 | | .3 | 1 | 2.0 | 324 | 490 | 1.7 | 12.5 | 8.19 | |

B.O.W./ SITE: **SPEED RIVER**
SAMPLE POINT: **ABOVE GUELPH RESERVOIR ARMSTRONG MILLS**
STATION TYPE: **RIVER FLOW GAUGE FED 02GA040**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-099-02**
STORET CODE: **02**
**003**
**0150**

LAT: LONG: U T M: **17 0558875.0 4831900.0 4** REGION: **02** DISTANCE: **191.507**

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 09 24 1005 | | | .3 | 1 | 5.0 | 266 | 450 | 1.8 | 12.5 | 8.28 | |
| 80 10 20 0950 | | | .3 | 1 | 2.0 | 317.0 | 520.0 | 0.75 | 13.500 | 8.35 | |
| 80 11 26 0943 | | | .3 | 1 | 2 | 320 | 540 | 0.80 | 14.0 | 8.37 | |
| 80 12 10 0953 | | | .3 | 1 | 4.0 | 286.0 | 470.0 | 1.70 | 13.000 | 7.99 | |
| MAXIMUM | | | | | **184.0** | **408.0** | **590.0** | **45.00** | **15.500** | **8.43** | **8.25** |
| ARITH MEAN | | | | | **16** | **300** | **468** | **4.7** | **12.1** | **8.15** | **8.20** |
| GEOM MEAN | | | | | **3** | **290** | **455** | **1.7** | **11.8** | **8.14** | **8.20** |
| MINIMUM | | | | | **1.0** | **120.000** | **185.0** | **0.75** | **5.800** | **7.74** | **8.15** |
| STD DEV | | | | | **50** | **68** | **98** | **12.1** | **2.4** | **0.22** | **0.07** |
| NO OF SAMPLES | | | | | **13** | **13** | **15** | **13** | **13** | **15** | **2** |

B.O.W./ SITE: **CONESTOGO RIVER**
SAMPLE POINT: **AT WELLINGTON COUNTY ROAD NO 7**
STATION TYPE: **RIVER FLOW GAUGE FED 02GA039**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-100-02**
STORET CODE: **02**
**003**
**0150**

LAT: LONG: U T M: **17 0529200.0 4847650.0 4** REGION: **02** DISTANCE: **244.775**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 08 1330 | | | .3 | 1 | 29024 | 4 6 | 0.510 | 210 | 2000 | 40I | 20I | 0.2 | 12.5 | 0.4 |
| 80 02 13 1325 | | | .3 | 1 | 29065 | 4 6 | 0.245 | 60 | 950 | 24 | 28 | 0.0 | 11.8 | 0.4 |
| 80 03 10 1355 | | | .3 | 1 | 29106 | 4 6 | 0.193 | 210 | 900 | 72 | 8 | 0.5 | 12.8 | 1.0 |
| 80 03 21 1215 | | | .3 | 1 | 29995 | 3 6 | 112.000 | 9200 | 51000 | 200 | 3000 | 0.5 | 12.4 | 3.6 |
| 80 04 01 1045 | | | .3 | 1 | 29147 | 3 6 | 9.640 | 1500> | 1500 | | 332 | 0.5 | 12.4 | 0.6 |
| 80 05 29 1245 | | | .3 | 1 | 29188 | 6 | 0.401 | 1700 | 5500 | 870 | 50I | 18.0 | 11.6 | 0.6 |
| 80 06 23 1115 | | | .3 | 1 | 29229 | 5 | 0.196 | 800I | 14000 | 80I | 8 | 22.0 | 9.3 | 0.4 |
| 80 07 09 1235 | | | .3 | 1 | 80115 | 6 | 0.094 | | | | | 22.5 | 6.2 | |
| 80 07 10 0020 | | | .3 | 1 | 80114 | 6 | 0.101 | | | | | 22.0 | 7.8 | |
| 80 07 29 1055 | | | .3 | 1 | 29270 | 6 | 0.310 | 1200 | 19500 | 280 | 490 | 22.0 | 9.0 | 1.0 |
| 80 08 25 1045 | | | .3 | 1 | 29311 | 6 | 0.048 | 2700C | 29000 | 1110 | 130 | 22.0 | 8.8 | 0.8 |
| 80 09 25 1130 | | | .3 | 1 | 29352 | 6 | 0.419 | 1300 | 26000 | 420 | 180I | 15.0 | 10.2 | 0.4 |
| 80 10 20 1220 | | | .3 | 1 | 29393 | 6 | 2.950 | 7700C | 36000 | 2360 | 1500> | 7.5 | 12.4 | 1.8 |
| 80 11 26 1244 | | | .3 | 1 | 29434 | 6 | 0.913 | 88 | 600 | 8 | 12 | 0.8 | 15.6 | 0.4 |
| 80 12 10 1245 | | | .3 | 1 | 29475 | 6 3 | 7.250 | 900C | 72000 | 336 | 532 | 0.1 | 13.6 | 0.4 |
| MAXIMUM | | | | | | | **112.000** | **9200>** | **72000** | **2360** | **3000>** | **22.5** | **15.6** | **3.6** |
| ARITH MEAN | | | | | | | **9.018** | **2121G** | **19919** | **483** | **484G** | **10.2** | **11.1** | **0.9** |
| GEOM MEAN | | | | | | | **0.668** | **854G** | **7482** | **174** | **105G** | **3.1** | **10.8** | **0.7** |
| MINIMUM | | | | | | | **0.048** | **60** | **600** | **8** | **8** | **0.0** | **6.2** | **0.4** |
| STD DEV | | | | | | | **28.636** | **2924G** | **22462** | **686** | **861G** | **10.3** | **2.5** | **0.9** |
| NO OF SAMPLES | | | | | | | **15** | **13** | **13** | **12** | **13** | **15** | **15** | **13** |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 08 1330 | | | .3 | 1 | 0.035 | 0.012 | 0.040 | 0.580 | 0.010 | 2.940 | 2.990 | 0.540 | 3.530 | 467.0 |
| 80 02 13 1325 | | | .3 | 1 | 0.017 | 0.006 | 0.064 | 0.390 | 0.009 | 1.430 | 1.503 | 0.326 | 1.829 | 412.0 |
| 80 03 10 1355 | | | .3 | 1 | 0.073 | 0.007 | 0.118 | 0.730 | 0.012 | 1.340 | 1.470 | 0.612 | 2.082 | 603.0 |
| 80 03 21 1215 | | | .3 | 1 | 1.030 | 0.215 | 0.450 | 2.950 | 0.049 | 1.500 | 1.999 | 2.500 | 4.499 | 881.0 |
| 80 04 01 1045 | | | .3 | 1 | 0.078 | 0.021 | 0.120 | 0.600 | 0.015 | 1.290 | 1.425 | 0.480 | 1.905 | 248.0 |
| 80 05 29 1245 | | | .3 | 1 | 0.019 | 0.002 | 0.034 | 0.650 | 0.006 | 0.028 | 0.068 | 0.616 | 0.684 | 318.0 |
| 80 06 23 1115 | | | .3 | 1 | 0.024 | 0.001 | 0.026 | 0.630 | 0.004 | 0.076 | 0.106 | 0.604 | 0.710 | 324.0 |
| 80 07 09 1235 | | | .3 | 1 | 0.048 | 0.003 | 0.084 | 0.950 | 0.010 | 0.222 | 0.316 | 0.866 | 1.182 | |
| 80 07 10 0020 | | | .3 | 1 | 0.039 | 0.003 | 0.062 | 0.910 | 0.008 | 0.247 | 0.317 | 0.848 | 1.165 | |
| 80 07 29 1055 | | | .3 | 1 | 0.053 | 0.003 | 0.048 | 0.850 | 0.009 | 0.117 | 0.174 | 0.802 | 0.976 | 288.0 |
| 80 08 25 1045 | | | .3 | 1 | 0.026 | 0.002 | 0.034 | 0.720 | 0.005 | 0.020 | 0.059 | 0.686 | 0.745 | 312.0 |
| 80 09 25 1130 | | | .3 | 1 | 0.035 | 0.007 | 0.042 | 0.680 | 0.004 | 0.046 | 0.092 | 0.638 | 0.730 | 311.0 |
| 80 10 20 1220 | | | .3 | 1 | 0.105 | 0.024 | 0.600 | 2.020 | 0.089 | 2.860 | 3.549 | 1.420 | 4.969 | 588.0 |
| 80 11 26 1244 | | | .3 | 1 | 0.021 | 0.002 | 0.014 | 0.68 | 0.007 | 1.25 | 1.271 | 0.666 | 1.937 | 405 |
| 80 12 10 1245 | | | .3 | 1 | 0.068 | 0.032 | 0.100 | 0.710 | 0.016 | 3.430 | 3.546 | 0.610 | 4.156 | 332.0 |
| MAXIMUM | | | | | **1.030** | **0.215** | **0.600** | **2.950** | **0.089** | **3.430** | **3.549** | **2.500** | **4.969** | **881.0** |
| ARITH MEAN | | | | | **0.111** | **0.023** | **0.122** | **0.93** | **0.017** | **1.12** | **1.259** | **0.814** | **2.073** | **422** |
| GEOM MEAN | | | | | **0.049** | **0.007** | **0.070** | **0.80** | **0.011** | **0.41** | **0.568** | **0.719** | **1.638** | **396** |
| MINIMUM | | | | | **0.017** | **0.001** | **0.014** | **0.390** | **0.004** | **0.020** | **0.059** | **0.326** | **0.684** | **248.0** |
| STD DEV | | | | | **0.255** | **0.054** | **0.169** | **0.66** | **0.023** | **1.17** | **1.272** | **0.526** | **1.488** | **176** |
| NO OF SAMPLES | | | | | **15** | **15** | **15** | **15** | **15** | **15** | **15** | **15** | **15** | **13** |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 08 1330 | | | .3 | 1 | 3.0 | 464.0 | 670.0 | 5.40 | 17.000 | 8.07 | |
| 80 02 13 1325 | | | .3 | 1 | 6.0 | 406.0 | 660.0 | 4.20 | 16.000 | 7.91 | |
| 80 03 10 1355 | | | .3 | 1 | 174.0 | 429.0 | 670.0 | 35.00 | 29.500 | 7.96 | |
| 80 03 21 1215 | | | .3 | 1 | 783.0 | 98.000 | 150.0 | 255.00 | 4.700 | 7.67 | |
| 80 04 01 1045 | | | .3 | 1 | 30.0 | 218.000 | 335.0 | 8.80 | 6.750 | 8.05 | |
| 80 05 29 1245 | | | .3 | 1 | 7.0 | 311.0 | 475.0 | 2.80 | 15.000 | 8.58 | |
| 80 06 23 1115 | | | .3 | 1 | 7.0 | 317.0 | 485.0 | 5.40 | 16.000 | 8.32 | |
| 80 07 09 1235 | | | .3 | 1 | | | 495.0 | | | 8.09 | 8.00 |
| 80 07 10 0020 | | | .3 | 1 | | | 485.0 | | | 8.20 | 7.90 |
| 80 07 29 1055 | | | .3 | 1 | 2.0 | 286 | 440 | 13.0 | 13.5 | 8.24 | |
| 80 08 25 1045 | | | .3 | 1 | 8.0 | 304 | 470 | 5.5 | 22.5 | 8.25 | |
| 80 09 25 1130 | | | .3 | 1 | 14.0 | 297 | 500 | 15.0 | 28.5 | 8.38 | |
| 80 10 20 1220 | | | .3 | 1 | 17.0 | 571.0 | 960.0 | 7.10 | 116.000 | 8.10 | |
| 80 11 26 1244 | | | .3 | 1 | 9 | 396 | 610 | 4.0 | 19.0 | 8.36 | |

(CONTD).

| TEST-NAME: | SAMP DEPTH | PJ | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| 80 12 10 1245 | .3 | 1 | 16.0 | 316 0 | 490 0 | 9 00 | 13.500 | 8 11 | |
| MAXIMUM | | | 783.0 | 571.0 | 960.0 | 266.00 | 118.000 | 8.58 | 8.00 |
| ARITH MEAN | | | 82 | 339 | 626 | 28.4 | 24.4 | 8.15 | 7.96 |
| GEOM MEAN | | | 16 | 316 | 492 | 9.7 | 17.6 | 8.16 | 7.96 |
| MINIMUM | | | 2.0 | 98.000 | 150.0 | 2.80 | 4.700 | 7.67 | 7.90 |
| STD DEV | | | 216 | 117 | 179 | 68.5 | 28.4 | 0.22 | 0.07 |
| NO OF SAMPLES | | | 13 | 13 | 15 | 13 | 13 | 15 | 2 |

B.O.W./ SITE: **SPEED RIVER**
SAMPLE POINT: **AT HIGHWAY NO 8 CAMBRIDGE PRESTON**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-101-02**
STORET CODE: **02**
**003**
**0150**

LAT:
LONG:
U T M: **17 0551350.0 4805150.0 4**
REGION: **02**
DISTANCE: **152.401**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 14 0930 | | | .3 | 1 | 29040 | 6 | 12500 | 40000 | 2600 | 530 | 1.5 | 14.2 | 1.4 | 0.148 |
| 80 02 11 0940 | | | .3 | 1 | 29081 | 6 | 4100 | 5700 | 740 | 100 | 1.7 | 12.9 | 1.2 | 0.093 |
| 80 03 04 1215 | | | .3 | 1 | 29122 | 6 | 1800 | 21000 | 40I | 60I | 0.5 | 14.4 | 3.2 | 0.089 |
| 80 04 02 0910 | | | .3 | 1 | 29163 | 3 6 | 4300 | 17000 | | 460 | 3.0 | 12.4 | 1.2 | 0.078 |
| 80 05 14 1215 | | | .3 | 1 | 29204 | 6 | 6100C | 43000 | 850 | 300 | 12.0 | 12.8 | 1.2 | 0.072 |
| 80 06 03 1350 | | | .3 | 1 | 29245 | 3 | 5500 | 48000 | 1220 | 760 | 17.0 | 9.7 | 1.4 | 0.142 |
| 80 07 08 1430 | | | .3 | 1 | 29286 | 7 5 | 900I | 25000 | 40I | 20I | 23.0 | 10.8 | 1.6 | 0.168 |
| 80 07 09 1830 | | | .3 | 1 | 80141 | 7 | | | | | 24.0 | 8.6 | | 0.135 |
| 80 07 10 0420 | | | .3 | 1 | 80140 | 7 | | | | | 20.8 | 5.7 | | 0.125 |
| 80 08 06 1125 | | | .3 | 1 | 29327 | 6 | 620 | 1400 | 110 | 80I | 22.5 | 7.4 | 1.2 | 0.130 |
| 80 09 17 1230 | | | .3 | 1 | 29368 | 7 6 | 2540C | 32000 | 330 | 370 | 16.0 | 8.0 | 4.4 | 0.300 |
| 80 10 23 1420 | | | .3 | 1 | 29409 | 6 | 300I | 9400 | 10< | 50I | 8.0 | 13.2 | 1.4 | 0.113 |
| 80 11 19 1231 | | | .3 | 1 | 29450 | 6 | 660C | 7400 | 30I | 100 | 2.0 | 14.1 | 1.0 | 0.091 |
| 80 12 17 1227 | | | .3 | 1 | 29491 | 6 | 4700 | 16000 | 320 | 70< | 0.1 | 13.8 | 1.9 | 0.080 |
| MAXIMUM | | | | | | | 12500 | 48000 | 2600 | 760 | 24.0 | 14.4 | 4.4 | 0.300 |
| ARITH MEAN | | | | | | | 3668 | 22158 | 572L | 242L | 10.9 | 11.3 | 1.8 | 0.126 |
| GEOM MEAN | | | | | | | 2258 | 16611 | 189L | 142L | 4.9 | 10.9 | 1.6 | 0.117 |
| MINIMUM | | | | | | | 300 | 1400 | 10< | 20< | 0.1 | 5.7 | 1.0 | 0.072 |
| STD DEV | | | | | | | 3451 | 15590 | 784L | 240L | 9.5 | 2.9 | 1.0 | 0.058 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 11 | 12 | 14 | 14 | 12 | 14 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 14 0930 | | | .3 | 1 | 0.055 | 0.234 | 1.050 | 0.025 | 2.370 | 2.629 | 0.816 | 3.445 | 395.00 | 29.00 |
| 80 02 11 0940 | | | .3 | 1 | 0.061 | 0.396 | 1.010 | 0.030 | 3.570 | 3.996 | 0.614 | 4.610 | 432.00 | 2.00 |
| 80 03 04 1215 | | | .3 | 1 | 0.033 | 0.640 | 1.240 | 0.056 | 3.840 | 4.536 | 0.600 | 5.136 | 465.00 | 3.00 |
| 80 04 02 0910 | | | .3 | 1 | 0.033 | 0.254 | 0.890 | 0.036 | 2.090 | 2.380 | 0.636 | 3.016 | 329.00 | 5.00 |
| 80 05 14 1215 | | | .3 | 1 | 0.016 | 0.092 | 0.775 | 0.057 | 2.240 | 2.389 | 0.683 | 3.072 | 413.00 | 9.00 |
| 80 06 03 1350 | | | .3 | 1 | 0.052 | 0.180 | 1.030 | 0 110 | 2.440 | 2.730 | 0.850 | 3.580 | 433.00 | 15.00 |
| 80 07 08 1430 | | | .3 | 1 | 0.064 | 0.060 | 0.930 | 0.035 | 1.760 | 1.855 | 0.870 | 2.725 | 444.0 | 8.0 |
| 80 07 09 1830 | | | .3 | 1 | 0.068 | 0.076 | 0.820 | 0.044 | 1.960 | 2.080 | 0.744 | 2.824 | | |
| 80 07 10 0420 | | | .3 | 1 | 0.059 | 0.110 | 0.880 | 0.076 | 1.980 | 2.166 | 0.770 | 2.936 | | |
| 80 08 06 1125 | | | .3 | 1 | 0.070 | 0.054 | 0.750 | 0.022 | 1.880 | 1.956 | 0.696 | 2.652 | 411.0 | 8.0 |
| 80 09 17 1230 | | | .3 | 1 | 0.003 | 0.064 | 1.200 | 0.057 | 2.790 | 2.911 | 1.136 | 4.047 | 168.00 | 15.00 |
| 80 10 23 1420 | | | .3 | 1 | 0.074 | 0.044 | 0.670 | 0.061 | 2.240 | 2.345 | 0.626 | 2.971 | 417.00 | 3.00 |
| 80 11 19 1231 | | | .3 | 1 | 0.060 | 0.218 | 0.84 | 0.039 | 2.91 | 3.167 | 0.622 | 3.789 | 442 | 4 |
| 80 12 17 1227 | | | .3 | 1 | 0.034 | 0.280 | 1.150 | 0.023 | 2.480 | 2.783 | 0.870 | 3.653 | 451.00 | 10.00 |
| MAXIMUM | | | | | 0.074 | 0.640 | 1.240 | 0.110 | 3.840 | 4.536 | 1.136 | 5.136 | 465.00 | 29.00 |
| ARITH MEAN | | | | | 0.049 | 0.193 | 0.94 | 0.048 | 2.46 | 2.709 | 0.752 | 3.461 | 400 | 9 |
| GEOM MEAN | | | | | 0.040 | 0.140 | 0.93 | 0.043 | 2.40 | 2.622 | 0.740 | 3.396 | 388 | 6 |
| MINIMUM | | | | | 0.003 | 0.044 | 0.670 | 0.022 | 1.760 | 1.855 | 0.600 | 2.652 | 168.00 | 2.00 |
| STD DEV | | | | | 0.021 | 0.167 | 0.17 | 0.024 | 0.62 | 0.764 | 0.148 | 0.739 | 80 | 7 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | SSO4UR | ALKT | PH | FWPH | PHNOL | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE |
| 80 01 14 0930 | | | .3 | 1 | 366.00 | 540.0 | 5.50 | 35.000 | 44.000 | 187 | 8.07 | | 1.000< | 0.670 |
| 80 02 11 0940 | | | .3 | 1 | 430.00 | 660.0 | 1.20 | 48.000 | 55.000 | 237.0 | 8.03 | | 1.000< | 0.080 |
| 80 03 04 1215 | | | .3 | 1 | 462.00 | 740.0 | 1.80 | 63.000 | 63.000 | 227.0 | 8.03 | | 1.000< | 0.150 |
| 80 04 02 0910 | | | .3 | 1 | 324.00 | 485.0 | 3.20 | 30.000 | 35.000 | 167.0 | 8.17 | | 1.000< | 0.290 |
| 80 05 14 1215 | | | .3 | 1 | 404.00 | 600.0 | 3.80 | 47.500 | 42.500 | 197.0 | 8.40 | | 1.000< | 0.350 |
| 80 06 03 1350 | | | .3 | 1 | 418.00 | 650.0 | 4.20 | 52.500 | 42.000 | 211.0 | 8.21 | | 1.000< | 0.620 |
| 80 07 08 1430 | | | .3 | 1 | 436 | 600 | 2.8 | 58.5 | 43.5 | 195 | 8.58 | | 1 < | 0.380 |
| 80 07 09 1830 | | | .3 | 1 | | 700.0 | | | | | 8.64 | 8.60 | | |
| 80 07 10 0420 | | | .3 | 1 | | 750.0 | | | | | 7.97 | 7.90 | | |
| 80 08 06 1125 | | | .3 | 1 | 403 | 650 | 3.2 | 52.0 | 43.5 | 209 | 8.20 | | 1 < | 0.300 |
| 80 09 17 1230 | | | .3 | 1 | 153.000 | 235.0 | 5.60 | 78.000 | 60.000 | 215.0 | 8.05 | | 1.000< | 1.200 |
| 80 10 23 1420 | | | .3 | 1 | 414.00 | 680.0 | 1.60 | 62.500 | 60.000 | 215.0 | 8.48 | | 1.000< | 0.170 |
| 80 11 19 1231 | | | .3 | 1 | 438 | 700 | 1.1 | 64 | 57.0 | 219 | 8.20 | | 1 < | 0.11 |
| 80 12 17 1227 | | | .3 | 1 | 441.00 | 720.0 | 2.70 | 51.000 | 58.000 | 236.0 | 8.28 | | 1.000< | 0.320 |
| MAXIMUM | | | | | 462.00 | 750.0 | 5.60 | 78.000 | 63.000 | 237.0 | 8.64 | 8.60 | 1.000 | 1.200 |
| ARITH MEAN | | | | | 390 | 622 | 3.0 | 53 | 50.2 | 209 | 8.24 | 8.25 | 1 L | 0.38 |
| GEOM MEAN | | | | | 378 | 602 | 2.6 | 51 | 49.4 | 208 | 8.23 | 8.24 | 1 L | 0.29 |
| MINIMUM | | | | | 153.000 | 235.0 | 1.1 | 30.000 | 35.000 | 167.0 | 7.97 | 7.90 | 1.000< | 0.080 |
| STD DEV | | | | | 83 | 134 | 1.5 | 13 | 9.3 | 20 | 0.21 | 0.49 | 0 L | 0.31 |
| NO OF SAMPLES | | | | | 12 | 14 | 12 | 12 | 12 | 12 | 14 | 2 | 12 | 12 |

(CONTD)

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W / SITE: **SPEED RIVER**
SAMPLE POINT **AT HIGHWAY NO 8 CAMBRIDGE PRESTON**
STATION TYPE **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-101-02**
STORET CODE: **02**
**003**
**0150**

LAT. LONG: U T M: **17 0551350.0 4805150.0 4** REGION: **02** DISTANCE: **152.401**

| TEST-NAME: | | | | | COLAP | COD | ASUT | HGUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | CHEM. OX DEMAND MG/L AS O | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 01 14 0930 | | | .3 | 1 | 39.000 | 44 | 0.008 | 5.200 | 0.370 | 0.020< | 0.020 | 0.030< | 0.070 | 0.110 |
| 80 02 11 0940 | | | .3 | 1 | 22.000 | 14 | 0.001 | 0.020< | 0.080 | 0.020< | 0.010 | 0.040 | 0.005 < | 0.090 |
| 80 03 04 1215 | | | .3 | 1 | 24.000 | 12 | 0.002 | 5.700 | 0.060 | 0.020< | 0.010 | 0.030< | 0.006 | 0.080 |
| 80 04 02 0910 | | | .3 | 1 | 31.000 | 58 | 0.001 | 5.100 | 0.210 | 0.020< | 0.020 | 0.030< | 0.005 < | 0.050 |
| 80 05 14 1215 | | | .3 | 1 | 31.000 | 64 | 0.009 | 0.030< | 0.150 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.070 |
| 80 06 03 1350 | | | .3 | 1 | 34.000 | 32 | 0.001< | 0.070 | 0.360 | 0.020< | 0.010< | 0.030< | 0.006 | 0.060 |
| 80 07 08 1430 | | | .3 | 1 | 28 | 10 | 0.001< | 0.030 | 0.230 | 0.030 | 0.010< | 0.030< | 0.005 < | 0.030 |
| 80 08 06 1125 | | | .3 | 1 | 21 | 38 | 0.001< | 0.060 | 0.160 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.030 |
| 80 09 17 1230 | | | .3 | 1 | 21.000 | 33 | 0.001< | 0.030< | 0.120 | 0.005 | 0.006 | 0.006 | 0.0002< | 0.093 |
| 80 10 23 1420 | | | .3 | 1 | 40.000 | 10< | | 0.32 | 0.075 | 0.002 | 0.011 | 0.003< | 0.0002< | 0.036 |
| 80 11 19 1231 | | | .3 | 1 | 21 | 23 | 0.001< | 0.04 < | 0.058 | 0.051 | 0.063 | 0.053 | 0.050 | 0.11 |
| 80 12 17 1227 | | | 3 | 1 | 23.000 | 34 | 0.001< | 0.04 < | 0.094 | 0.002< | 0.007 | 0.003< | 0.0004 | 0.075 |
| MAXIMUM | | | | | 40.000 | 64 | 0.009 | 5.700 | 0.370 | 0.061 | 0.063 | 0.053 | 0.070 | 0.11 |
| ARITH MEAN | | | | | 27 | 31L | 0.002L | 1.38 L | 0.164 | 0.019L | 0.016L | 0.026L | 0.013 L | 0.06 |
| GEOM MEAN | | | | | 27 | 26L | 0.002L | 0.15 L | 0.135 | 0.014L | 0.012L | 0.019L | 0.003 L | 0.06 |
| MINIMUM | | | | | 21 | 10< | 0.001< | 0.020< | 0.058 | 0.002< | 0.006< | 0.003< | 0.0002< | 0.030 |
| STD DEV | | | | | 7 | 18L | 0.003L | 2.38 L | 0.109 | 0.013L | 0.016L | 0.015L | 0.022 L | 0.02 |
| NO OF SAMPLES | | | | | 12 | 12 | 11 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | MNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 01 14 0930 | | | .3 | 1 | 0.060 | 0.020< | 0.020 < |
| 80 02 11 0940 | | | .3 | 1 | 0.023 | 0.020< | 0.020 < |
| 80 03 04 1215 | | | .3 | 1 | 0.033 | 0.020 | 0.040 |
| 80 04 02 0910 | | | .3 | 1 | 0.036 | 0.020< | 0.020 < |
| 80 05 14 1215 | | | .3 | 1 | 0.064 | 0.020< | 0.020 < |
| 80 06 03 1350 | | | .3 | 1 | 0.090 | 0.030 | 0.020 < |
| 80 07 08 1430 | | | .3 | 1 | 0.078 | 0.050 | 0.02 < |
| 80 08 06 1125 | | | .3 | 1 | 0.080 | 0.020< | 0.020 < |
| 80 09 17 1230 | | | .3 | 1 | 0.068 | 0.010 | 0.002 < |
| 80 10 23 1420 | | | 3 | 1 | 0.020 | 0.008 | 0.002 < |
| 80 11 19 1231 | | | .3 | 1 | 0.026 | 0.059 | 0.050 |
| 80 12 17 1227 | | | .3 | 1 | 0.052 | 0.008 | 0.0005< |
| MAXIMUM | | | | | 0.090 | 0.059 | 0.050 |
| ARITH MEAN | | | | | 0.052 | 0.024L | 0.01 L |
| GEOM MEAN | | | | | 0.047 | 0.020L | 0.01 L |
| MINIMUM | | | | | 0.020 | 0.008< | 0.0005< |
| STD DEV | | | | | 0.024 | 0.016L | 0.01 L |
| NO OF SAMPLES | | | | | 12 | 12 | 12 |

B.O.W./ SITE **ERAMOSA RIVER**
SAMPLE POINT: **AT COUNTY ROAD NO 41 NORTHWEST OF ARKELL**
STATION TYPE: **RIVER FLOW GAUGE FED 02GA029**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-102-02**
STORET CODE **02**
**003**
**0150**

LAT. LONG: U T M: **17 0565950.0 4821750.0 4** REGION: **02** DISTANCE **180.583**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 08 1015 | | | .3 | 1 | 29014 | 6 | 1.680 | 100I | 120 | 24 | 16 | 0.7 | 12.3 | 0.6 |
| 80 02 13 0945 | | | .3 | 1 | 29055 | 6 | 1.040 | 10< | 10 | 4 | 4< | 0.0 | 12.2 | 0.2 |
| 80 03 10 0945 | | | .3 | 1 | 29096 | 6 | 0.937 | 200C | 2000 | 4< | 4< | 0.5 | 13.5 | 0.4 |
| 80 04 01 1415 | | | .3 | 1 | 29137 | 3 6 | 6.450 | 320C | 1600 | | 20 | 2.0 | 13.4 | 0.2 |
| 80 05 29 0925 | | | 3 | 1 | 29178 | 6 | 1.490 | 130C | 7100 | 20 | 4 | 13.0 | 9.1 | 0.6 |
| 80 06 18 0945 | | | .3 | 1 | 29219 | 6 | 1.470 | 320C | 5500 | 44 | 44 | 14.5 | 10.6 | 1.0 |
| 80 07 08 1730 | | | .3 | 1 | 80103 | 6 | 1.010 | | | | | 24.0 | 8.8 | |
| 80 07 09 0320 | | | 3 | 1 | 80102 | 6 | 0.957 | | | | | 19.5 | 6.6 | |
| 80 07 21 1100 | | | 3 | 1 | 29260 | 6 | 0.898 | 130C | 3300 | 64 | 24 | 21.0 | 9.0 | 0.2 |
| 80 08 18 1000 | | | .3 | 1 | 29301 | 6 | 0.823 | 280C | 7800 | 32 | 80 | 18.0 | 7.8 | 0.2 |
| 80 09 24 0930 | | | .3 | 1 | 29342 | 6 | 1.390 | 1700 | 14300 | 90I | 190 | 13.0 | 8.8 | 1.0 |
| 80 10 20 0930 | | | .3 | 1 | 29383 | 6 | 1.700 | 1200 | 13000 | 160 | 70I | 8.0 | 11.0 | 0.8 |
| 80 11 26 0928 | | | .3 | 1 | 29424 | 6 | 1.180 | 108C | 1200 | 8 | 4 | 0.6 | 13.1 | 0.2 |
| 80 12 10 0935 | | | .3 | 1 | 29465 | 6 3 | 4.150 | 1130C | 10000 | 20 | 196 | 0.2 | 13.3 | 0.5 |
| MAXIMUM | | | | | | | 6.450 | 1700 | 14300 | 160 | 196 | 24.0 | 13.5 | 1.0 |
| ARITH MEAN | | | | | | | 1.798 | 469L | 5494 | 43L | 55L | 9.6 | 10.7 | 0.5 |
| GEOM MEAN | | | | | | | 1.455 | 232L | 2128 | 24L | 23L | 4.0 | 10.4 | 0.4 |
| MINIMUM | | | | | | | 0.823 | 10< | 10 | 4< | 4< | 0.0 | 6.6 | 0.2 |
| STD DEV | | | | | | | 1.678 | 552L | 4970 | 47L | 70L | 8.9 | 2.3 | 0.3 |
| NO OF SAMPLES | | | | | | | 14 | 12 | 12 | 11 | 12 | 14 | 14 | 12 |

| | | | TEST-NAME: | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 08 1015 | | | .3 | 1 | 0.018 | 0.003 | 0.018 | 0.250 | 0.005 | 1.850 | 1.873 | 0.232 | 2.105 | 419.00 |
| 80 02 13 0945 | | | .3 | 1 | 0.003 | 0.002 | 0.010 | 0.220 | 0.007 | 2.340 | 2.357 | 0.210 | 2.567 | 378.00 |
| 80 03 10 0945 | | | .3 | 1 | 0.002 | 0.004 | 0.012 | 0.250 | 0.009 | 2.190 | 2.211 | 0.238 | 2.449 | 365.00 |
| 80 04 01 1415 | | | .3 | 1 | 0.024 | 0.004 | 0.058 | 0.480 | 0.010 | 1.060 | 1.128 | 0.422 | 1.550 | 266.00 |
| 80 05 29 0925 | | | .3 | 1 | 0.110 | 0.003 | 0.030 | 1.100 | 0.007 | 1.140 | 1.177 | 1.070 | 2.247 | 339.00 |
| 80 06 18 0945 | | | .3 | 1 | 0.015 | 0.003 | 0.004 | 0.430 | 0.004 | 0.756 | 0.764 | 0.426 | 1.190 | 346.00 |
| 80 07 08 1730 | | | .3 | 1 | 0.015 | 0.001 | 0.018 | 0.580 | 0.005 | 0.760 | 0.783 | 0.562 | 1.345 | |
| 80 07 09 0320 | | | .3 | 1 | 0.016 | 0.002 | 0.030 | 0.510 | 0.005 | 0.770 | 0.805 | 0.480 | 1.285 | |
| 80 07 21 1100 | | | .3 | 1 | 0.015 | 0.003 | 0.028 | 0.480 | 0.010 | 0.845 | 0.883 | 0.452 | 1.335 | 358.00 |
| 80 08 18 1000 | | | .3 | 1 | 0.016 | 0.002 | 0.024 | 0.460 | 0.006 | 0.814 | 0.844 | 0.436 | 1.280 | 360.0 |
| 80 09 24 0930 | | | .3 | 1 | 0.017 | 0.005 | 0.042 | 0.480 | 0.005 | 0.525 | 0.572 | 0.438 | 1.010 | 237.0 |
| 80 10 20 0930 | | | .3 | 1 | 0.018 | 0.009 | 0.060 | 0.470 | 0.006 | 0.664 | 0.730 | 0.410 | 1.140 | 333.00 |
| 80 11 26 0928 | | | .3 | 1 | 0.006 | 0.002 | 0.008 | 0.33 | 0.003 | 1.20 | 1.211 | 0.322 | 1.533 | 350 |
| 80 12 10 0935 | | | .3 | 1 | 0.001< | 0.004 | 0.022 | 0.210 | 0.005 | 1.000 | 1.027 | 0.188 | 1.215 | 315.00 |
| MAXIMUM | | | | | 0.110 | 0.009 | 0.060 | 1.100 | 0.010 | 2.340 | 2.357 | 1.070 | 2.567 | 419.00 |
| ARITH MEAN | | | | | 0.020L | 0.003 | 0.028 | 0.44 | 0.006 | 1.13 | 1.169 | 0.420 | 1.589 | 338 |
| GEOM MEAN | | | | | 0.011L | 0.003 | 0.021 | 0.40 | 0.006 | 1.02 | 1.066 | 0.380 | 1.519 | 336 |
| MINIMUM | | | | | 0.001< | 0.001 | 0.004 | 0.210 | 0.003 | 0.525 | 0.572 | 0.188 | 1.010 | 237.0 |
| STD DEV | | | | | 0.027L | 0.002 | 0.017 | 0.22 | 0.002 | 0.57 | 0.568 | 0.219 | 0.522 | 48 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 |

| | | | TEST-NAME: | | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR | ALKT | PH | FWPH | PHNOL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | PHENOLS UNF-REAC UG/L PHENOL |
| 80 01 08 1015 | | | .3 | 1 | 2.00 | 417.00 | 590.0 | 1.30 | 19.000 | 47.500 | 238 | 8.06 | | 1.000< |
| 80 02 13 0945 | | | .3 | 1 | 12.00 | 366.00 | 620.0 | 0.80 | 19.000 | 50.500 | 252.0 | 7.90 | | 1.000< |
| 80 03 10 0945 | | | .3 | 1 | 2.00 | 363.00 | 600.0 | 1.10 | 21.000 | 49.500 | 237.0 | 7.95 | | 1.000< |
| 80 04 01 1415 | | | .3 | 1 | 3.00 | 263.000 | 405.0 | 1.30 | 12.500 | 28.000 | 166.0 | 8.16 | | 1.000< |
| 80 05 29 0925 | | | .3 | 1 | 3.00 | 336.00 | 550.0 | 1.50 | 18.000 | 32.500 | 232.0 | 6.16 | | 20.000 |
| 80 06 18 0945 | | | .3 | 1 | 2.00 | 344.00 | 500.0 | 1.50 | 16.500 | 29.500 | 229.0 | 8.26 | | 1.000< |
| 80 07 08 1730 | | | .3 | 1 | | | 500.0 | | | | | 8.28 | 8.30 | |
| 80 07 09 0320 | | | .3 | 1 | | | 500.0 | | | | | 8.15 | 8.25 | |
| 80 07 21 1100 | | | .3 | 1 | 3.00 | 355.00 | 550.0 | 1.60 | 17.000 | 33.500 | 230 | 8.02 | | 1.000< |
| 80 08 18 1000 | | | .3 | 1 | 3.0 | 357 | 550 | 1.3 | 18.0 | 35.5 | 235 | 8.10 | | 1 < |
| 80 09 24 0930 | | | .3 | 1 | 4.0 | 233 | 540 | 0.6 | 18.0 | 36.0 | 228 | 8.24 | | 1 < |
| 80 10 20 0930 | | | .3 | 1 | 2.00 | 331.00 | 540.0 | 1.00 | 18.500 | 40.500 | 230.0 | 8.26 | | 1.000< |
| 80 11 26 0928 | | | .3 | 1 | 2 | 348 | 560 | 0.65 | 19.0 | 43.5 | 233 | 8.15 | | 1 < |
| 80 12 10 0935 | | | .3 | 1 | 5.00 | 310.00 | 510.0 | 1.60 | 18.500 | 41.500 | 205.0 | 8.10 | | 1.000< |
| MAXIMUM | | | | | 12.00 | 417.00 | 620.0 | 1.60 | 21.000 | 50.500 | 252.0 | 8.28 | 8.30 | 20.000 |
| ARITH MEAN | | | | | 3 | 335 | 538 | 1.1 | 17.9 | 39.0 | 226 | 8.13 | 8.27 | 2 L |
| GEOM MEAN | | | | | 3 | 331 | 534 | 1.1 | 17.7 | 38.3 | 225 | 8.13 | 8.27 | 1 L |
| MINIMUM | | | | | 2.00 | 233 | 405.0 | 0.6 | 12.500 | 28.000 | 166.0 | 7.90 | 8.25 | 1.000< |
| STD DEV | | | | | 2 | 48 | 53 | 0.3 | 2.0 | 7.6 | 21 | 0.12 | 0.04 | 5 L |
| NO OF SAMPLES | | | | | 12 | 12 | 14 | 12 | 12 | 12 | 12 | 14 | 2 | 12 |

| | | | TEST-NAME: | | FEUT | CAUR | MGUR | COLAP | KKUR | NAUR | COD | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | IRON UNF.TOT. MG/L AS FE | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O | MANGANSE UNF.TOT. MG/L AS MN |
| 80 01 08 1015 | | | .3 | 1 | 0.060 | 86.000 | 23.000 | 20.000 | 1.55 | 9.100 | 18 | 0.016 |
| 80 02 13 0945 | | | .3 | 1 | 0.050 | 83.000 | 24.000 | 15.000 | 1.50 | 8.500 | 0 | 0.010 |
| 80 03 10 0945 | | | .3 | 1 | 0.060 | 84.000 | 23.000 | 71.000 | 1.35 | 9.500 | 10< | 0.011 |
| 80 04 01 1415 | | | .3 | 1 | 0.140 | 54.000 | 12.000 | 25.000 | 1.55 | 6.400 | 42 | 0.021 |
| 80 05 29 0925 | | | .3 | 1 | 0.110 | 70.000 | 22.000 | 24.000 | 1.45 | 8.500 | 8 | 0.040 |
| 80 06 18 0945 | | | .3 | 1 | 0.090 | 74.000 | 22.500 | 26.000 | 1.10 | 7.700 | 16 | 0.032 |
| 80 07 21 1100 | | | .3 | 1 | 0.120 | 72.00 | 22.0 | 36.000 | 1.40 | 8.20 | 20 | 0.046 |
| 80 08 18 1000 | | | .3 | 1 | 0.110 | 68 | 22.0 | 32 | 1.4 | 9.0 | 36 | 0.034 |
| 80 09 24 0930 | | | .3 | 1 | 0.08 | 64 | 20.5 | 25 | 1.65 | 8.0 | 10 | 0.030 |
| 80 10 20 0930 | | | .3 | 1 | 0.080 | 73.000 | 21.500 | 34.000 | 1.45 | 8.200 | 10 | 0.023 |
| 80 11 26 0928 | | | .3 | 1 | 0.06 | 78 | 19 | 22 | 1.40 | 8.8 | 33 | 0.017 |
| 80 12 10 0935 | | | .3 | 1 | 0.120 | 70.000 | 19.000 | 37.000 | 1.75 | 8.300 | 38 | 0.028 |
| MAXIMUM | | | | | 0.140 | 86.000 | 24.000 | 71.000 | 1.75 | 9.500 | 42 | 0.046 |
| ARITH MEAN | | | | | 0.09 | 73 | 20 | 30 | 1.4 | 8.3 | 20L | 0.026 |
| GEOM MEAN | | | | | 0.08 | 72 | 20 | 28 | 1.4 | 8.3 | 16L | 0.023 |
| MINIMUM | | | | | 0.050 | 54.000 | 12.000 | 15.000 | 1.10 | 6.400 | 0< | 0.010 |
| STD DEV | | | | | 0.03 | 9 | 3 | 14 | 0.1 | 0.7 | 14L | 0.011 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

B.O.W./ SITE: **GRAND RIVER**
SAMPLE POINT: **AT HIGHWAY NO.86**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-103-02**

STORET CODE: **02**
**003**
**0150**

LAT.
LONG.
U T M: **17 0542750.0 4826050.0 4**
REGION: **02**
DISTANCE: **190.875**

| | | | TEST-NAME: | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 08 1115 | | | .3 | 1 | 29018 | 6 | 280 | 780 | 10I | 10I | 0.5 | 13.1 | 0.8 | 0.060 |
| 80 02 13 1050 | | | .3 | 1 | 29059 | 4 6 | 400I | 1100 | 20< | 20< | 0.0 | 12.3 | 1.0 | 0.140 |
| 80 03 10 1050 | | | .3 | 1 | 29100 | 6 | 940 | 2800 | 80I | 70I | 0.5 | 13.1 | 2.8 | 0.203 |
| 80 04 01 1305 | | | .3 | 1 | 29141 | 3 6 | 200I | 2600 | | 40I | 2.0 | 14.0 | 1.2 | 0.120 |
| 80 05 29 1020 | | | .3 | 1 | 29182 | 6 | 980C | 8400 | 50I | 830 | 14.5 | 12.4 | 0.6 | 0.021 |
| 80 06 18 1045 | | | .3 | 1 | 29223 | 6 | 960C | 11600 | 60 | 10< | 15.0 | 12.0 | 1.2 | 0.044 |
| 80 07 09 1455 | | | .3 | 1 | 80127 | 6 | | | | | 21.0 | 10.8 | | 0.039 |
| 80 07 10 0145 | | | .3 | 1 | 80126 | 6 | | | | | 19.5 | 6.3 | | 0.055 |
| 80 07 21 1155 | | | .3 | 1 | 29264 | 6 | 650 | 6000 | 510 | 150 | 22.0 | 13.2 | 0.2 | 0.047 |
| 80 08 18 1100 | | | .3 | 1 | 29305 | 6 | 540C | 10600 | 152 | 92 | 19.5 | 8.5 | 1.4 | 0.043 |
| 80 09 24 1100 | | | .3 | 1 | 29346 | 6 | 8500C | 27000 | 2600 | 820 | 14.0 | 11.4 | 1.4 | 0.054 |
| 80 10 20 1025 | | | .3 | 1 | 29387 | 6 | 1000 | 12000 | 60I | 80I | 7.8 | 12.2 | 0.8 | 0.038 |
| 80 11 26 1023 | | | .3 | 1 | 29428 | 6 | 64 | 800 | 4 | 8 | 0.1 | 15.4 | 1.0 | 0.019 |
| 80 12 10 1032 | | | .3 | 1 | 29469 | 6 3 | 1500C | 48000 | 272 | 368 | 0.2 | 13.8 | 0.7 | 0.040 |

B.O.W./ SITE: **GRAND RIVER**
SAMPLE POINT: **AT HIGHWAY NO.86**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-103-02**
STORET CODE: **02**
**003**
**0150**

LAT: LONG: U T M: **17 0542750.0 4826050.0 4** REGION: **02** DISTANCE: **199.875**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
| MAXIMUM | | | | | | | 8500 | 48000 | 2600 | 830 | 22.0 | 15.4 | 2.8 | 0.203 |
| ARITH MEAN | | | | | | | 1334 | 10973 | 347L | 208L | 9.8 | 12.0 | 1.1 | 0.066 |
| GEOM MEAN | | | | | | | 650 | 5291 | 78L | 69L | 3.5 | 11.8 | 0.9 | 0.053 |
| MINIMUM | | | | | | | 64 | 780 | 4< | 8< | 0.0 | 8.3 | 0.2 | 0.019 |
| STD DEV | | | | | | | 2294 | 13825 | 762L | 305L | 9.0 | 2.3 | 0.6 | 0.052 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 11 | 12 | 14 | 14 | 12 | 14 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
| 80 01 08 1115 | | | .3 | 1 | 0.029 | 0.060 | 0.680 | 0.022 | 2.430 | 2.512 | 0.620 | 3.132 | 322.0 | 5.0 |
| 80 02 13 1050 | | | .3 | 1 | 0.020 | 0.048 | 1.040 | 0.017 | 1.780 | 1.845 | 0.992 | 2.837 | 296.0 | 28.0 |
| 80 03 10 1050 | | | .3 | 1 | 0.017 | 0.094 | 1.450 | 0.017 | 1.630 | 1.741 | 1.356 | 3.097 | 363.0 | 71.0 |
| 80 04 01 1305 | | | .3 | 1 | 0.032 | 0.226 | 0.930 | 0.025 | 1.470 | 1.721 | 0.704 | 2.425 | 219.0 | 30.0 |
| 80 05 29 1020 | | | .3 | 1 | 0.005 | 0.034 | 0.680 | 0.012 | 1.090 | 1.136 | 0.646 | 1.782 | 275.0 | 2. |
| 80 06 18 1045 | | | .3 | 1 | 0.006 | 0.014 | 0.620 | 0.013 | 0.802 | 0.829 | 0.606 | 1.435 | 276.0 | 6.0 |
| 80 07 09 1455 | | | .3 | 1 | 0.009 | 0.038 | 0.680 | 0.011 | 0.705 | 0.754 | 0.642 | 1.396 | | |
| 80 07 10 0145 | | | .3 | 1 | 0.007 | 0.044 | 0.830 | 0.010 | 0.800 | 0.854 | 0.786 | 1.640 | | |
| 80 07 21 1155 | | | .3 | 1 | 0.066 | 0.012 | 0.730 | 0.012 | 0.733 | 0.757 | 0.718 | 1.475 | 265.0 | 11.0 |
| 80 08 18 1100 | | | .3 | 1 | 0.003 | 0.014 | 0.880 | 0.004 | 0.381 | 0.399 | 0.866 | 1.265 | 263.0 | 6.0 |
| 80 09 24 1100 | | | .3 | 1 | 0.023 | 0.062 | 0.820 | 0.015 | 1.240 | 1.317 | 0.758 | 2.075 | 235.0 | 10.0 |
| 80 10 20 1025 | | | 3 | 1 | 0.007 | 0.062 | 0.900 | 0.029 | 1.320 | 1.411 | 0.838 | 2.249 | 312.0 | 5.0 |
| 80 11 26 1023 | | | .3 | 1 | 0.002 | 0.010 | 0.75 | 0.013 | 1.10 | 1.123 | 0.740 | 1.863 | 335 | 3 |
| 80 12 10 1032 | | | .3 | 1 | 0.019 | 0.084 | 0.540 | 0.021 | 3.130 | 3.235 | 0.456 | 3.691 | 347.0 | 13.0 |
| MAXIMUM | | | | | 0.066 | 0.226 | 1.450 | 0.029 | 3.130 | 3.235 | 1.356 | 3.691 | 363.0 | 71.0 |
| ARITH MEAN | | | | | 0.017 | 0.057 | 0.82 | 0.016 | 1.32 | 1.402 | 0.766 | 2.169 | 292 | 15 |
| GEOM MEAN | | | | | 0.012 | 0.040 | 0.79 | 0.014 | 1.16 | 1.225 | 0.742 | 2.062 | 289 | 9 |
| MINIMUM | | | | | 0.002 | 0.010 | 0.540 | 0.004 | 0.381 | 0.399 | 0.456 | 1.265 | 219.0 | 2.0 |
| STD DEV | | | | | 0.017 | 0.055 | 0.22 | 0.007 | 0.73 | 0.766 | 0.214 | 0.764 | 44 | 19 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
| 80 01 08 1115 | | | .3 | 1 | 317.0 | 475.0 | 5.20 | 13.500 | 8.05 | |
| 80 02 13 1050 | | | .3 | 1 | 268.0 | 435.0 | 6.50 | 14.000 | 7.99 | |
| 80 03 10 1050 | | | .3 | 1 | 292.0 | 438.0 | 25.00 | 17.500 | 7.96 | |
| 80 04 01 1305 | | | .3 | 1 | 189.000 | 290.0 | 9.30 | 7.900 | 7.99 | |
| 80 05 29 1020 | | | .3 | 1 | 273.000 | 420.0 | 0.85 | 14.500 | 8.45 | |
| 80 06 18 1045 | | | .3 | 1 | 270.000 | 415.0 | 2.40 | 13.500 | 8.42 | |
| 80 07 09 1455 | | | .3 | 1 | | 410.0 | | | 8.69 | 8.80 |
| 80 07 10 0145 | | | .3 | 1 | | 415.0 | | | 8.23 | 8.25 |
| 80 07 21 1155 | | | .3 | 1 | 254.000 | 390.0 | 3.50 | 12.000 | 7.98 | |
| 80 08 18 1100 | | | .3 | 1 | 257 | 395 | 2.0 | 10.5 | 8.24 | |
| 80 09 24 1100 | | | .3 | 1 | 225 | 430 | 3.0 | 13.5 | 8.49 | |
| 80 10 20 1025 | | | .3 | 1 | 307.0 | 495.0 | 2.80 | 14.000 | 8.30 | |
| 80 11 26 1023 | | | 3 | 1 | 332 | 540 | 1.4 | 14.5 | 8.51 | |
| 80 12 10 1032 | | | .3 | 1 | 334.0 | 540.0 | 6.00 | 15.000 | 8.14 | |
| MAXIMUM | | | | | 334.0 | 540 | 25.00 | 17.500 | 8.69 | 8.80 |
| ARITH MEAN | | | | | 276 | 434 | 5.6 | 13.3 | 8.25 | 8.52 |
| GEOM MEAN | | | | | 273 | 430 | 3.7 | 13.1 | 8.24 | 8.52 |
| MINIMUM | | | | | 189.000 | 290.0 | 0.85 | 7.900 | 7.98 | 8.25 |
| STD DEV | | | | | 43 | 64 | 6.5 | 2.3 | 0.24 | 0.39 |
| NO OF SAMPLES | | | | | 12 | 14 | 12 | 12 | 14 | 2 |

B.O.W./ SITE: **IRVINE CREEK**
SAMPLE POINT: **AT WILLIAM STREET SALEM**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-104-02**
STORET CODE: **02**
**003**
**0150**

LAT: LONG: U T M: **17 0544500.0 4837950.0 4** REGION: **02** DISTANCE: **217.416**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
| 80 01 08 1135 | | | .3 | 1 | 29019 | 6 | 132 | 228 | 8 | 12 | 0.2 | 13.7 | 0.4 | 0.017 |
| 80 02 13 1115 | | | .3 | 1 | 29060 | 4 6 | 68 | 400 | 20 | 12 | 0.0 | 12.5 | 0.2 | 0.012 |
| 80 03 10 1145 | | | .3 | 1 | 29101 | 6 | 370 | 1100 | 180 | 92 | 1.0 | 13.8 | 0.2 | 0.025 |
| 80 04 01 1240 | | | .3 | 1 | 29142 | 3 6 | 780C | 9000 | | 184 | 3.0 | 13.0 | 0.4 | 0.067 |
| 80 05 29 1040 | | | .3 | 1 | 29183 | 3 | 520 | 4400 | 304 | 140 | 15.0 | 10.5 | 0.6 | 0.014 |
| 80 06 18 1105 | | | .3 | 1 | 29224 | 6 | 1620C | 12400 | 372 | 92 | 15.5 | 10.8 | 1.0 | 0.016 |
| 80 07 09 1205 | | | 3 | 1 | 80113 | 6 | | | | | 22.0 | 8.3 | | 0.024 |
| 80 07 10 | | | .3 | 1 | 80112 | 6 | | | | | 21.8 | 9.3 | | 0.027 |
| 80 07 21 1215 | | | .3 | 1 | 29265 | 6 | 40000I | 280000 | 24000 | 3900 | 24.0 | 10.0 | 0.4 | 0.047 |
| 80 08 18 1115 | | | .3 | 1 | 29306 | 6 | 1100C | 19000 | 950 | 160 | 18.0 | 9.6 | 0.8 | 0.016 |
| 80 09 24 1120 | | | .3 | 1 | 29347 | 6 | 8100 | 21000 | 1960 | 1220 | 12.5 | 10.4 | 1.2 | 0.036 |
| 80 10 20 1045 | | | .3 | 1 | 29388 | 6 | 13000 | 80000 | 780 | 1620 | 7.3 | 14.0 | 0.6 | 0.030 |
| 80 11 26 1043 | | | .3 | 1 | 29429 | 6 | 190 | 1700 | 24 | 4 | 0.1 | 15.0 | 1.0 | 0.012 |
| 80 12 10 1051 | | | .3 | 1 | 29470 | 6 3 | 800C | 51000 | 424 | 600> | 0.2 | 13.8 | 0.7 | 0.040 |
| MAXIMUM | | | | | | | 40000 | 280000 | 24000 | 3900> | 24.0 | 15.0 | 1.2 | 0.067 |
| ARITH MEAN | | | | | | | 5557 | 40019 | 2638 | 670G | 10.0 | 11.8 | 0.6 | 0.027 |
| GEOM MEAN | | | | | | | 1036 | 7617 | 289 | 148G | 3.6 | 11.6 | 0.5 | 0.024 |
| MINIMUM | | | | | | | 68 | 228 | 8 | 4 | 0.0 | 8.3 | 0.2 | 0.012 |
| STD DEV | | | | | | | 11659 | 79340 | 7108 | 1144G | 9.3 | 2.1 | 0.3 | 0.016 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 11 | 12 | 14 | 14 | 12 | 14 |

(CONTD)

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 08 1135 | | | .3 | 1 | 0.004 | 0.030 | 0.610 | 0.014 | 5.090 | 5.134 | 0.580 | 5.714 | 435.0 | 0.7 |
| 80 02 13 1115 | | | .3 | 1 | 0.006 | 0.104 | 0.500 | 0.020 | 3.830 | 3.954 | 0.396 | 4.350 | 382.0 | 0.7 |
| 80 03 10 1145 | | | .3 | 1 | 0.013 | 0.470 | 0.940 | 0.023 | 3.230 | 3.723 | 0.470 | 4.193 | 364.0 | 2.0 |
| 80 04 01 1240 | | | .3 | 1 | 0.021 | 0.140 | 0.820 | 0.017 | 2.110 | 2.267 | 0.680 | 2.947 | 253.0 | 16.0 |
| 80 05 29 1040 | | | .3 | 1 | 0.002 | 0.026 | 0.640 | 0.014 | 0.940 | 0.980 | 0.614 | 1.594 | 308.0 | 1.0 |
| 80 06 18 1105 | | | .3 | 1 | 0.001< | 0.024 | 0.660 | 0.019 | 1.030 | 1.073 | 0.636 | 1.709 | 322.0 | 2.0 |
| 80 07 09 1205 | | | .3 | 1 | 0.003 | 0.056 | 0.740 | 0.027 | 1.590 | 1.673 | 0.684 | 2.357 | | |
| 80 07 10 | | | .3 | 1 | 0.002 | 0.058 | 0.770 | 0.028 | 1.570 | 1.656 | 0.712 | 2.368 | | |
| 80 07 21 1215 | | | .3 | 1 | 0.003 | 0.048 | 0.970 | 0.028 | 0.737 | 0.813 | 0.922 | 1.735 | 277.0 | 10.0 |
| 80 08 18 1115 | | | .3 | 1 | 0.001 | 0.018 | 0.590 | 0.007 | 0.603 | 0.628 | 0.572 | 1.200 | 288.0 | 2.0 |
| 80 09 24 1120 | | | .3 | 1 | 0.016 | 0.062 | 0.890 | 0.043 | 3.460 | 3.565 | 0.828 | 4.393 | 338.0 | 5.0 |
| 80 10 20 1045 | | | .3 | 1 | 0.003 | 0.052 | 0.950 | 0.054 | 4.950 | 5.056 | 0.898 | 5.954 | 397.0 | 3.0 |
| 80 11 26 1043 | | | .3 | 1 | 0.002 | 0.006 | 0.64 | 0.010 | 3.60 | 3.616 | 0.634 | 4.250 | 397 | 3 |
| 80 12 10 1051 | | | .3 | 1 | 0.038 | 0.098 | 0.610 | 0.032 | 5.500 | 5.630 | 0.512 | 6.142 | 355.0 | 15.0 |
| MAXIMUM | | | | | 0.038 | 0.470 | 0.970 | 0.054 | 5.500 | 5.630 | 0.922 | 6.142 | 435.0 | 16.0 |
| ARITH MEAN | | | | | 0.008L | 0.085 | 0.73 | 0.024 | 2.73 | 2.841 | 0.653 | 3.493 | 343 | 5 |
| GEOM MEAN | | | | | 0.004L | 0.060 | 0.72 | 0.021 | 2.16 | 2.265 | 0.636 | 3.071 | 338 | 2 |
| MINIMUM | | | | | 0.001< | 0.006 | 0.500 | 0.007 | 0.603 | 0.628 | 0.396 | 1.200 | 253.0 | 0.7 |
| STD DEV | | | | | 0.011L | 0.117 | 0.15 | 0.013 | 1.72 | 1.749 | 0.152 | 1.723 | 56 | 5 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 08 1135 | | | .3 | 1 | 434.0 | 640.0 | 2.40 | 16.000 | 7.97 | |
| 80 02 13 1115 | | | .3 | 1 | 381.0 | 620.0 | 2.50 | 14.000 | 7.87 | |
| 80 03 10 1145 | | | .3 | 1 | 362.0 | 590.0 | 0.90 | 16.000 | 7.86 | |
| 80 04 01 1240 | | | .3 | 1 | 237.000 | 365.0 | 7.30 | 6.950 | 8.18 | |
| 80 05 29 1040 | | | .3 | 1 | 307.0 | 460.0 | 0.70 | 13.500 | 8.47 | |
| 80 06 18 1105 | | | .3 | 1 | 320.0 | 475.0 | 1.70 | 13.500 | 8.43 | |
| 80 07 09 1205 | | | .3 | 1 | | 460.0 | | | 8.33 | 8.40 |
| 80 07 10 | | | .3 | 1 | | 455.0 | | | 8.39 | 8.40 |
| 80 07 21 1215 | | | .3 | 1 | 267.000 | 410.0 | 6.50 | 16.000 | 8.44 | |
| 80 08 18 1115 | | | .3 | 1 | 286 | 440 | 1.4 | 15.5 | 8.37 | |
| 80 09 24 1120 | | | .3 | 1 | 333 | 580 | 1.8 | 18.0 | 8.35 | |
| 80 10 20 1045 | | | .3 | 1 | 394.0 | 650.0 | 2.70 | 18.500 | 8.33 | |
| 80 11 26 1043 | | | .3 | 1 | 394 | 620 | 1.8 | 15.5 | 8.42 | |
| 80 12 10 1051 | | | .3 | 1 | 340.0 | 540.0 | 6.50 | 13.000 | 8.14 | |
| MAXIMUM | | | | | 434.0 | 650.0 | 7.30 | 18.500 | 8.47 | 8.40 |
| ARITH MEAN | | | | | 337 | 521 | 3.0 | 14.7 | 8.25 | 8.40 |
| GEOM MEAN | | | | | 333 | 513 | 2.3 | 14.3 | 8.25 | 8.40 |
| MINIMUM | | | | | 237.000 | 365.0 | 0.70 | 6.950 | 7.86 | 8.40 |
| STD DEV | | | | | 58 | 94 | 2.3 | 2.9 | 0.21 | 0.00 |
| NO OF SAMPLES | | | | | 12 | 14 | 12 | 12 | 14 | 2 |

B O W / SITE: **COX CREEK**
SAMPLE POINT: **AT HIGHWAY NO.[illegible]**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-105-02**

STORET CODE: **02**
**003**
**0150**

LAT: LONG. U T M: **17 0544725.0 4825650.0 4** REGION: **02** DISTANCE: **208.600**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 08 1105 | | | .3 | 1 | 29017 | 6 | 232 | 840 | 56 | 124 | 0.7 | 11.8 | 0.4 | 0.024 |
| 80 02 13 1040 | | | .3 | 1 | 29058 | 4 6 | 184 | 580 | 64 | 8 | 0.0 | 11.2 | 0.2 | 0.021 |
| 80 03 10 1040 | | | .3 | 1 | 29099 | 6 | 1500 | 2900 | 40I | 80 | 0.5 | 11.9 | 2.0 | 0.328 |
| 80 04 01 1315 | | | .3 | 1 | 29140 | 3 6 | 750C | 6000 | | 44 | 3.5 | 13.4 | 0.6 | 0.036 |
| 80 05 29 1010 | | | .3 | 1 | 29181 | 6 | 120 | 9200 | 16 | 68 | 15.5 | 10.8 | 0.8 | 0.016 |
| 80 06 18 1040 | | | .3 | 1 | 29222 | 7 | 1780C | 7600 | 116 | 116 | 16.0 | 10.8 | 1.2 | 0.016 |
| 80 07 09 1510 | | | .3 | 1 | 80129 | 7 | | | | | 23.0 | 10.0 | | 0.025 |
| 80 07 10 0150 | | | .3 | 1 | 80128 | 7 | | | | | 19.2 | 5.7 | | 0.028 |
| 80 07 21 1150 | | | .3 | 1 | 29263 | 7 | 1450C | 14500 | 840 | 110 | 25.0 | 10.8 | 0.6 | 0.083 |
| 80 08 18 1050 | | | .3 | 1 | 29304 | 7 5 | 2850C | 55000 | 1440 | 610 | 19.0 | 6.8 | 3.2 | 0.083 |
| 80 09 24 1055 | | | .3 | 1 | 29345 | 6 | 4300 | 23000 | 1200 | 880 | 13.0 | 9.9 | 0.9 | 0.021 |
| 80 10 20 1015 | | | .3 | 1 | 29386 | 6 | 4600 | 14000 | 1800 | 720 | 7.5 | 11.9 | 0.6 | 0.020 |
| 80 11 26 1018 | | | .3 | 1 | 29427 | 6 | 90C | 2200 | 36 | 8 | 0.2 | 14.5 | 0.2 | 0.010 |
| 80 12 10 1026 | | | .3 | 1 | 29468 | 6 3 | 1100C | 7000 | 548 | 516 | 0.2 | 13.1 | 0.5 | 0.045 |
| MAXIMUM | | | | | | | 4600 | 55000 | 1800 | 880 | 25.0 | 14.5 | 3.2 | 0.328 |
| ARITH MEAN | | | | | | | 1580 | 11902 | 560 | 274 | 10.2 | 10.9 | 0.9 | 0.064 |
| GEOM MEAN | | | | | | | 813 | 6037 | 193 | 114 | 4.0 | 10.6 | 0.7 | 0.032 |
| MINIMUM | | | | | | | 90 | 580 | 16 | 8 | 0.0 | 5.7 | 0.2 | 0.010 |
| STD DEV | | | | | | | 1573 | 15082 | 569 | 314 | 9.4 | 2.4 | 0.9 | 0.082 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 11 | 12 | 14 | 14 | 12 | 14 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 08 1105 | | | .3 | 1 | 0.015 | 0.046 | 0.700 | 0.021 | 6.980 | 7.047 | 0.654 | 7.701 | 498.0 | 0.5 |
| 80 02 13 1040 | | | .3 | 1 | 0.015 | 0.066 | 0.400 | 0.019 | 5.580 | 5.665 | 0.334 | 5.999 | 450.0 | 3.0 |
| 80 03 10 1040 | | | .3 | 1 | 0.011 | 0.080 | 1.950 | 0.020 | 4.930 | 5.030 | 1.870 | 6.900 | 464.0 | 42.0 |
| 80 04 01 1315 | | | .3 | 1 | 0.016 | 0.034 | 0.630 | 0.019 | 3.810 | 3.863 | 0.596 | 4.459 | 302.0 | 2.0 |
| 80 05 29 1010 | | | .3 | 1 | 0.002 | 0.016 | 0.890 | 0.022 | 2.030 | 2.068 | 0.874 | 2.942 | 374.0 | 2.0 |
| 80 06 18 1040 | | | .3 | 1 | 0.004 | 0.016 | 0.800 | 0.027 | 2.020 | 2.063 | 0.784 | 2.847 | 365.0 | 4.0 |
| 80 07 09 1510 | | | .3 | 1 | 0.003 | 0.082 | 0.940 | 0.029 | 0.816 | 0.927 | 0.858 | 1.785 | | |
| 80 07 10 0150 | | | .3 | 1 | 0.001 | 0.106 | 1.010 | 0.019 | 0.816 | 0.941 | 0.904 | 1.845 | | |
| 80 07 21 1150 | | | .3 | 1 | 0.008 | 0.046 | 1.830 | 0.038 | 0.637 | 0.721 | 1.784 | 2.505 | 350.0 | 35.0 |
| 80 08 18 1050 | | | .3 | 1 | 0.001 | 0.034 | 1.230 | 0.035 | 1.260 | 1.329 | 1.196 | 2.525 | 356.0 | 8.0 |
| 80 09 24 1055 | | | .3 | 1 | 0.003 | 0.042 | 0.830 | 0.012 | 1.940 | 1.994 | 0.788 | 2.782 | 311.0 | 2.0 |
| 80 10 20 1015 | | | .3 | 1 | 0.003 | 0.044 | 0.720 | 0.008 | 1.840 | 1.892 | 0.676 | 2.568 | 388.0 | 1.0 |
| 80 11 26 1018 | | | .3 | 1 | 0.002 | 0.008 | 0.54 | 0.005 | 3.15 | 3.163 | 0.532 | 3.695 | 471 | 61 |

(CONTD)

B.O.W./ SITE: **COX CREEK**
SAMPLE POINT: **AT HIGHWAY NO.86**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-105-02**
STORET CODE: **02**
**003**
**0150**

LAT: LONG: U T M: **17 0544725.0 4825850.0 4** REGION: **02** DISTANCE: **280.880**

| TEST-NAME: | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 12 10 1026 | | | .3 | 1 | 0.017 | 0.050 | 0.240 | 0.032 | 7.500 | 7.582 | 0.190 | 7.772 | 440.0 | 4.0 |
| MAXIMUM | | | | | 0.017 | 0.106 | 1.950 | 0.038 | 7.500 | 7.582 | 1.870 | 7.772 | 498.0 | 61 |
| ARITH MEAN | | | | | 0.007 | 0.048 | 0.90 | 0.022 | 3.09 | 3.163 | 0.860 | 4.023 | 397 | 13 |
| GEOM MEAN | | | | | 0.005 | 0.039 | 0.79 | 0.019 | 2.32 | 2.430 | 0.740 | 3.662 | 392 | 4 |
| MINIMUM | | | | | 0.001 | 0.008 | 0.240 | 0.006 | 0.637 | 0.721 | 0.190 | 1.785 | 302.0 | 0.5 |
| STD DEV | | | | | 0.006 | 0.028 | 0.48 | 0.010 | 2.31 | 2.312 | 0.479 | 2.159 | 65 | 20 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 08 1105 | | | .3 | 1 | 497.0 | 720.0 | 1.30 | 28.500 | 7.84 | |
| 80 02 13 1040 | | | .3 | 1 | 447.0 | 680.0 | 1.00 | 23.500 | 7.99 | |
| 80 03 10 1040 | | | .3 | 1 | 422.0 | 670.0 | 20.00 | 29.000 | 7.76 | |
| 80 04 01 1315 | | | .3 | 1 | 300.0 | 475.0 | 1.30 | 17.500 | 8.14 | |
| 80 05 29 1010 | | | .3 | 1 | 372.0 | 550.0 | 0.95 | 21.500 | 8.30 | |
| 80 06 18 1040 | | | .3 | 1 | 361.0 | 550.0 | 1.30 | 20 500 | 8.20 | |
| 80 07 09 1510 | | | .3 | 1 | | 500.0 | | | 8.31 | 8.30 |
| 80 07 10 0150 | | | .3 | 1 | | 500.0 | | | 7.96 | 7.80 |
| 80 07 21 1150 | | | .3 | 1 | 315.0 | 460.0 | 6.00 | 20.500 | 8.16 | |
| 80 08 18 1050 | | | .3 | 1 | 348 | 550 | 6.3 | 20.5 | 7.93 | |
| 80 09 24 1055 | | | .3 | 1 | 309 | 545 | 0.90 | 23.0 | 8.35 | |
| 80 10 20 1015 | | | .3 | 1 | 387.0 | 640.0 | 1.20 | 13.000 | 8.17 | |
| 80 11 26 1018 | | | .3 | 1 | 410 | 66.0 | 1.0 | 27.0 | 8.15 | |
| 80 12 10 1026 | | | .3 | 1 | 436.0 | 660 | 1.60 | 30.000 | 8.04 | |
| MAXIMUM | | | | | 497.0 | 720.0 | 20.00 | 30.000 | 8.35 | 8.30 |
| ARITH MEAN | | | | | 383 | 540 | 3.5 | 22.8 | 8.09 | 8.05 |
| GEOM MEAN | | | | | 379 | 489 | 1.9 | 22.3 | 8.09 | 8.05 |
| MINIMUM | | | | | 300.0 | 66.0 | 0.90 | 13.000 | 7.76 | 7.80 |
| STD DEV | | | | | 61 | 159 | 5.5 | 5.0 | 0.18 | 0.35 |
| NO OF SAMPLES | | | | | 12 | 14 | 12 | 12 | 14 | 2 |

B.O.W./ SITE: **WHITEMANS CREEK**
SAMPLE POINT: **AT FIRST CONC.RD.WEST OF HIGHWAY NO.24A**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ERIE**
TERM STREAM: **GRAND RIVER**

STATION ID: **16-0184-106-02**
STORET CODE: **02**
**003**
**0150**

LAT LONG: U T M: **17 0550100.0 4774750.0 4** REGION: **02** DISTANCE **119.732**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 07 1230 | | | .3 | 1 | 29008 | 6 | 260 | 750 | 4< | 44 | 1.2 | 11.3 | 0.4 | 0.034 |
| 80 02 05 1100 | | | .3 | 1 | 29049 | 6 | 160 | 230 | 4< | 4 | 0.7 | 13.4 | 0.2 | 0.020 |
| 80 03 12 1310 | | | .3 | 1 | 29090 | 6 | 130 | 1200 | 8 | 40 | 1.0 | 15.2 | 0.2 | 0.085 |
| 80 04 16 1025 | | | .3 | 1 | 29131 | 3 6 | 4800 | 19000 | 150 | 1500> | 1.5 | 12.0 | 0.6 | 0.190 |
| 80 05 13 1220 | | | .3 | 1 | 29172 | 6 | 400I | 21000 | 20I | 100< | 10.7 | 10.8 | 0.6 | 0.020 |
| 80 06 10 1210 | | | .3 | 1 | 29213 | 6 | 300I | 19900 | 130 | 60I | 12.0 | 11.3 | 0.8 | 0.034 |
| 80 07 10 1610 | | | .3 | 1 | 80161 | 8 | | | | | 24.0 | 9.2 | | 0.025 |
| 80 07 11 0305 | | | .3 | 1 | 80160 | 8 | | | | | 18.5 | 6.7 | | 0.039 |
| 80 07 16 1220 | | | .3 | 1 | 29254 | 6 | 1250 | 10100 | 230 | 260 | 18.0 | 9.8 | 0.8 | 0.033 |
| 80 08 12 1225 | | | .3 | 1 | 29295 | 6 | 700I | 7200 | 60I | 120I | 18.5 | 13.6 | 0.2 | 0.016 |
| 80 09 04 1150 | | | .3 | 1 | 29336 | 6 | 400I | 5600 | 40I | 80I | 18.0 | 11.5 | 0.4 | 0.022 |
| 80 10 27 1335 | | | .3 | 1 | 29377 | 6 | 1800C | 20000 | 150 | 440 | 6.0 | 13.0 | 0.2< | 0.024 |
| 80 11 20 1225 | | | .3 | 1 | 29418 | 6 | 140I | 3400 | 40I | 30I | 3.8 | 15.0 | 2.0 | 0.009 |
| 80 12 16 1322 | | | .3 | 1 | 29459 | 6 | 2580C | 6200 | 20I | 10I | 0.6 | 14.5 | 0.5 | 0.020 |
| MAXIMUM | | | | | | | 4800 | 21000 | 230 | 1500> | 24.0 | 15.2 | 2.0 | 0.190 |
| ARITH MEAN | | | | | | | 1077 | 9548 | 71L | 2248 | 9.6 | 11.9 | 0.6L | 0.041 |
| GEOM MEAN | | | | | | | 546 | 6061 | 35L | 728 | 6.0 | 11.7 | 0.4L | 0.028 |
| MINIMUM | | | | | | | 130 | 230 | 4< | 4< | 0.6 | 6.7 | 0.2< | 0.009 |
| STD DEV | | | | | | | 1402 | 8209 | 75L | 4218 | 8.5 | 2.4 | 0.5L | 0.047 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 14 | 14 | 12 | 14 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 07 1230 | | | .3 | 1 | 0.014 | 0.058 | 0.560 | 0.017 | 4.040 | 4.115 | 0.502 | 4.617 | 491.0 | 4.0 |
| 80 02 05 1100 | | | .3 | 1 | 0.009 | 0.042 | 0.360 | 0.014 | 3.700 | 3.756 | 0.318 | 4.074 | 499.0 | 5.0 |
| 80 03 12 1310 | | | .3 | 1 | 0.007 | 0.130 | 0.900 | 0.021 | 3.330 | 3.481 | 0.770 | 4.251 | 486.0 | 8.0 |
| 80 04 16 1025 | | | .3 | 1 | 0.041 | 0.064 | 1.020 | 0.035 | 3.360 | 3.459 | 0.956 | 4.415 | 379.0 | 58.0 |
| 80 05 13 1220 | | | .3 | 1 | 0.002 | 0.014 | 0.530 | 0.013 | 2.190 | 2.217 | 0.516 | 2.733 | 437.0 | 3.0 |
| 80 06 10 1210 | | | .3 | 1 | 0.007 | 0.022 | 0.710 | 0.040 | 3.910 | 3.972 | 0.688 | 4.660 | 460.0 | 5.0 |
| 80 07 10 1610 | | | .3 | 1 | 0.005 | 0.022 | 0.410 | 0.012 | 2.480 | 2.514 | 0.388 | 2.902 | | |
| 80 07 11 0305 | | | .3 | 1 | 0.006 | 0.030 | 0.470 | 0.012 | 2.690 | 2.732 | 0.440 | 3.172 | | |
| 80 07 16 1220 | | | .3 | 1 | 0.003 | 0.022 | 0.450 | 0.013 | 2.540 | 2.575 | 0.428 | 3.003 | 469.0 | 10.0 |
| 80 08 12 1225 | | | .3 | 1 | 0.001 | 0.010 | 0.410 | 0.009 | 2.110 | 2.129 | 0.400 | 2.529 | 437.0 | 12.0 |
| 80 09 04 1150 | | | .3 | 1 | 0.006 | 0.010 | 0.470 | 0.008 | 2.300 | 2.318 | 0.460 | 2.778 | 433.0 | 9.0 |
| 80 10 27 1335 | | | .3 | 1 | 0.004 | 0.016 | 0.620 | 0.014 | 4.040 | 4.070 | 0.604 | 4.674 | 518.0 | 6.0 |
| 80 11 20 1225 | | | .3 | 1 | 0.001 | 0.014 | 0.41 | 0.006 | 3.09 | 3.110 | 0.396 | 3.506 | 511 | 3 |

(CONTD)

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 12 16 1322 | | | .3 | 1 | 0.012 | 0.006 | 0.580 | 0.025 | 5.480 | 5.511 | 0.574 | 6.085 | 486.0 | 5.0 |
| MAXIMUM | | | | | 0.041 | 0.130 | 1.020 | 0.040 | 5.480 | 5.511 | 0.968 | 6.085 | 518.0 | 58.0 |
| ARITH MEAN | | | | | 0.008 | 0.033 | 0.56 | 0.017 | 3.23 | 3.283 | 0.531 | 3.814 | 467 | 10 |
| GEOM MEAN | | | | | 0.006 | 0.023 | 0.53 | 0.016 | 3.11 | 3.162 | 0.508 | 3.601 | 465 | 7 |
| MINIMUM | | | | | 0.001 | 0.006 | 0.380 | 0.006 | 2.110 | 2.129 | 0.318 | 2.629 | 379.0 | 3.0 |
| STD DEV | | | | | 0.010 | 0.033 | 0.19 | 0.010 | 0.94 | 0.966 | 0.174 | 1.020 | 40 | 15 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 07 1230 | | | .3 | 1 | 487.0 | 680.0 | 3.50 | 24.000 | 8.03 | |
| 80 02 05 1100 | | | .3 | 1 | 494.0 | 710.0 | 3.50 | 25.000 | 8.09 | |
| 80 03 12 1310 | | | .3 | 1 | 478.0 | 670.0 | 4.90 | 31.000 | 8.14 | |
| 80 04 16 1025 | | | .3 | 1 | 321.0 | 450.0 | 52.00 | 16.500 | 8.03 | |
| 80 05 13 1220 | | | .3 | 1 | 434.0 | 600.0 | 2.10 | 23.000 | 8.20 | |
| 80 06 10 1210 | | | .3 | 1 | 455.0 | 650 | 3.00 | 25.5 | 8.25 | |
| 80 07 10 1610 | | | .3 | 1 | | 650.0 | | | 8.36 | 8.20 |
| 80 07 11 0305 | | | 3 | 1 | | 650.0 | | | 8.02 | 7.90 |
| 80 07 16 1220 | | | .3 | 1 | 459.0 | 650.0 | 2.20 | 21.500 | 8.22 | |
| 80 08 12 1225 | | | 3 | 1 | 425.0 | 600 | 4.8 | 23.0 | 8.38 | |
| 80 09 04 1150 | | | 3 | 1 | 424 | 660 | 2.1 | 25.0 | 8.42 | |
| 80 10 27 1335 | | | .3 | 1 | 512.0 | 770.0 | 2.10 | 45.500 | 8.22 | |
| 80 11 20 1225 | | | .3 | 1 | 508 | 730 | 1.3 | 35.5 | 8.27 | |
| 80 12 16 1322 | | | .3 | 1 | 481.0 | 750.0 | 2.70 | 31.500 | 8.27 | |
| MAXIMUM | | | | | 512.0 | 770.0 | 52.00 | 45.500 | 8.42 | 8.20 |
| ARITH MEAN | | | | | 456 | 658 | 7.0 | 27.2 | 8.21 | 8.05 |
| GEOM MEAN | | | | | 453 | 653 | 3.4 | 26.3 | 8.21 | 8.05 |
| MINIMUM | | | | | 321.0 | 450.0 | 1.3 | 16.500 | 8.02 | 7.90 |
| STD DEV | | | | | 52 | 78 | 14.2 | 7.6 | 0.13 | 0.21 |
| NO OF SAMPLES | | | | | 12 | 14 | 12 | 12 | 14 | 2 |

B.O.W./ SITE: **PICTON CREEK**
SAMPLE POINT: **AT CONSERVATION AREA POUND**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **PICTON CREEK**

STATION ID: **17-0008-001-02**

STORET CODE: **02**
**004**
**1710**

LAT: LONG: U T M: **18 0329975.0 4874300.0 4** REGION: **04** DISTANCE: **1.287**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 19 0815 | | | .3 | 1 | 17808 | 4 | 3.0 | 4.0 | 0.040 | 0.002 | 0.020 | 0.270 | 0.004 | 0.060 |
| 80 03 25 0825 | | | .3 | 1 | 17816 | 3 6 | 4.0 | 12.0 | 0.032 | 0.010 | 0.010 | 0.430 | 0.014 | 0.250 |
| 80 04 29 0815 | | | .3 | 1 | 17824 | 6 8 | 7.0 | 10.0 | 0.026 | 0.002 | 0.040 | 0.310 | 0.002 | 0.020 |
| 80 05 27 0825 | | | .3 | 1 | 17832 | 6 8 | 17.0 | 9.0 | 0.030 | 0.002 | 0.040 | 0.490 | 0.002< | 0.020< |
| 80 06 24 0810 | | | .3 | 1 | 17840 | 6 5 | 22.0 | 12.0 | 0.022 | 0.002< | 0.040 | 0.470 | 0.002 | 0.020< |
| 80 07 29 0820 | | | .3 | 1 | 17848 | 3 6 | 25.0 | 7.0 | 0.056 | 0.016 | 0.010 | 0.440 | 0.004 | 0.040 |
| 80 09 30 0830 | | | .3 | 1 | 17864 | 6 8 | 13.0 | 10.0 | 0.018 | 0.002 | 0.030 | 0.470 | 0.002 | 0.020< |
| 80 10 28 0820 | | | .3 | 1 | 17872 | 6 | 5.0 | 8.0 | 0.024 | 0.011 | 0.020 | 0.300 | 0.002 | 0.050 |
| 80 11 25 0815 | | | .3 | 1 | 17880 | 6 | 3.5 | 8.0 | 0.018 | 0.004 | 0.010 | 0.240 | 0.002 | 0.020< |
| MAXIMUM | | | | | | | 25.0 | 12.0 | 0.056 | 0.016 | 0.040 | 0.490 | 0.014 | 0.250 |
| ARITH MEAN | | | | | | | 11.1 | 8.9 | 0.030 | 0.006L | 0.024 | 0.380 | 0.004L | 0.056L |
| GEOM MEAN | | | | | | | 8.3 | 8.5 | 0.028 | 0.004L | 0.021 | 0.368 | 0.003L | 0.036L |
| MINIMUM | | | | | | | 3.0 | 4.0 | 0.018 | 0.002< | 0.010 | 0.240 | 0.002< | 0.020< |
| STD DEV | | | | | | | 8.5 | 2.5 | 0.012 | 0.005L | 0.013 | 0.088 | 0.004L | 0.076L |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 02 19 0815 | | | .3 | 1 | 0.084 | 0.250 | 0.334 | 520.0 | 1.50 |
| 80 03 25 0825 | | | .3 | 1 | 0.274 | 0.420 | 0.694 | 310.0 | 1.80 |
| 80 04 29 0815 | | | .3 | 1 | 0.062 | 0.270 | 0.332 | 390.0 | 3.60 |
| 80 05 27 0825 | | | .3 | 1 | 0.062 | 0.450 | 0.512 | 510.0 | 2.80 |
| 80 06 24 0810 | | | .3 | 1 | 0.062 | 0.430 | 0.492 | 455.0 | 2.90 |
| 80 07 29 0820 | | | .3 | 1 | 0.054 | 0.430 | 0.484 | 270.0 | 5.30 |
| 80 09 30 0830 | | | .3 | 1 | 0.052 | 0.440 | 0.492 | 610.0 | 2.10 |
| 80 10 28 0820 | | | .3 | 1 | 0.072 | 0.280 | 0.352 | 540.0 | 1.00 |
| 80 11 25 0815 | | | .3 | 1 | 0.032 | 0.230 | 0.262 | 500.0 | 2.90 |
| MAXIMUM | | | | | 0.274 | 0.450 | 0.694 | 610.0 | 5.30 |
| ARITH MEAN | | | | | 0.084 | 0.356 | 0.439 | 456.1 | 2.66 |
| GEOM MEAN | | | | | 0.068 | 0.344 | 0.422 | 442.4 | 2.39 |
| MINIMUM | | | | | 0.032 | 0.230 | 0.262 | 270.0 | 1.00 |
| STD DEV | | | | | 0.073 | 0.094 | 0.132 | 111.8 | 1.28 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 |

B.O.W./ SITE: **DEMORESTVILLE CREEK**
SAMPLE POINT: **AT COUNTY ROAD 14**
STATION TYPE: **RIVER FLOW GAUGE FED 02HE003**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **DEMORESTVILLE CREEK**

STATION ID: **17-0014-001-02**
STORET CODE: **02 004 1400**

LAT: LONG: U T M: **18 0323000.0 4884100.0 4** REGION: **04** DISTANCE: **4.828**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 02 19 1100 | | | .3 | 1 | 17815 | 4 | 0.053 | 2.0 | 1.0 | 0.016 | 0.002 | 0.350 | 1.000 | 0.004 |
| 80 03 25 1130 | | | .3 | 1 | 17823 | 3 6 | 0.518 | 4.0 | 9.0 | 0.072 | 0.014 | 0.050 | 0.530 | 0.032 |
| 80 04 29 1100 | | | .3 | 1 | 17831 | 6 | 0.620 | 7.0 | 7.0 | 0.012 | 0.002 | 0.020 | 0.610 | 0.002 |
| 80 05 27 1050 | | | .3 | 1 | 17839 | 6 | 0.066 | 18.0 | 6.0 | 0.046 | 0.010 | 0.020 | 1.300 | 0.004 |
| 80 06 24 1100 | | | .3 | 1 | 17847 | 6 | 0.042 | 23.0 | 8.0 | 0.038 | 0.002< | 0.020 | 1.300 | 0.006 |
| 80 07 29 1100 | | | .3 | 1 | 17855 | 6 | 0.706 | 25.0 | 7.0 | 0.042 | 0.010 | 0.070 | 1.350 | 0.002 |
| 80 09 30 1120 | | | .3 | 1 | 17871 | 6 | 0.040 | 15.0 | 12.0 | 0.002 | 0.002 | 0.040 | 0.740 | 0.002 |
| 80 10 28 1110 | | | .3 | 1 | 17879 | 6 | 0.265 | 5.0 | 9.0 | 0.048 | 0.011 | 0.040 | 0.510 | 0.005 |
| 80 11 25 1115 | | | .3 | 1 | 17887 | 6 | 0.200 | 4.0 | 8.0 | 0.024 | 0.002 | 0.010 | 0.740 | 0.004 |
| MAXIMUM | | | | | | | **0.706** | **25.0** | **12.0** | **0.072** | **0.014** | **0.350** | **1.350** | **0.032** |
| ARITH MEAN | | | | | | | **0.279** | **11.4** | **7.4** | **0.033** | **0.006L** | **0.069** | **0.898** | **0.007** |
| GEOM MEAN | | | | | | | **0.180** | **8.2** | **6.4** | **0.024** | **0.004L** | **0.038** | **0.839** | **0.004** |
| MINIMUM | | | | | | | **0.040** | **2.0** | **1.0** | **0.002** | **0.002<** | **0.010** | **0.510** | **0.002** |
| STD DEV | | | | | | | **0.267** | **8.9** | **3.0** | **0.022** | **0.005L** | **0.107** | **0.346** | **0.010** |
| NO OF SAMPLES | | | | | | | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** |

| TEST-NAME: | | | | | NNO3FR | NNTIFR | NNKUR | NNKI | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 02 19 1100 | | | .3 | 1 | 0.020< | 0.374 | 0.650 | 1.024 | 490.0 | 1.50 |
| 80 03 25 1130 | | | .3 | 1 | 0.610 | 0.692 | 0.480 | 1.172 | 130.0 | 20.00 |
| 80 04 29 1100 | | | .3 | 1 | 0.020< | 0.042 | 0.590 | 0.632 | 265.0 | 1.20 |
| 80 05 27 1050 | | | .3 | 1 | 0.020< | 0.044 | 1.280 | 1.324 | 332.0 | 1.10 |
| 80 06 24 1100 | | | .3 | 1 | 0.020< | 0.046 | 1.280 | 1.326 | 300.0 | 0.89 |
| 80 07 29 1100 | | | .3 | 1 | 0.020 | 0.092 | 1.280 | 1.372 | 370.0 | 0.60 |
| 80 09 30 1120 | | | .3 | 1 | 0.020< | 0.062 | 0.700 | 0.762 | 250.0 | 0.40 |
| 80 10 28 1110 | | | .3 | 1 | 0.050 | 0.095 | 0.470 | 0.565 | 265.0 | 2.50 |
| 80 11 25 1115 | | | .3 | 1 | 0.040 | 0.054 | 0.730 | 0.784 | 355.0 | 1.50 |
| MAXIMUM | | | | | **0.610** | **0.692** | **1.280** | **1.372** | **490.0** | **20.00** |
| ARITH MEAN | | | | | **0.091L** | **0.167** | **0.829** | **0.996** | **306.3** | **3.30** |
| GEOM MEAN | | | | | **0.036L** | **0.096** | **0.768** | **0.948** | **290.3** | **1.47** |
| MINIMUM | | | | | **0.020<** | **0.042** | **0.470** | **0.565** | **130.0** | **0.40** |
| STD DEV | | | | | **0.195L** | **0.223** | **0.349** | **0.318** | **99.1** | **6.29** |
| NO OF SAMPLES | | | | | **9** | **9** | **9** | **9** | **9** | **9** |

B.O.W./ SITE: **SAWGUIN CREEK**
SAMPLE POINT: **AT COUNTY ROAD 28**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **SAWGUIN CREEK**

STATION ID: **17-0016-001-02**
STORET CODE: **02 004 1400**

LAT: LONG: U T M: **18 0308250.0 4885900.0 4** REGION: **04** DISTANCE: **8.851**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 19 1040 | | | .3 | 1 | 17814 | 4 | 3.0 | 1.0 | 0.056 | 0.010 | 0.110 | 1.100 | 0.006 | 0.030 |
| 80 03 25 1100 | | | .3 | 1 | 17822 | 3 6 | 4.0 | 9.0 | 0.142 | 0.050 | 0.060 | 0.530 | 0.062 | 1.500 |
| 80 04 29 1030 | | | .3 | 1 | 17830 | 6 | 7.0 | 6.0 | 0.038 | 0.008 | 0.040 | 0.640 | 0.006 | 0.180 |
| 80 05 27 1030 | | | .3 | 1 | 17838 | 6 | 17.0 | 6.0 | 0.132 | 0.068 | 0.080 | 1.300 | 0.006 | 0.020< |
| 80 06 24 1030 | | | .3 | 1 | 17846 | 6 | 23.0 | 5.0 | 0.114 | 0.046 | 0.050 | 1.250 | 0.008 | 0.020< |
| 80 07 29 1040 | | | .3 | 1 | 17854 | 6 | 25.0 | 5.0 | 0.104 | 0.084 | 0.090 | 1.200 | 0.006 | 0.050 |
| 80 09 30 1100 | | | .3 | 1 | 17870 | 6 | 13.0 | 7.0 | 0.044 | 0.002 | 0.060 | 1.750 | 0.004 | 0.020< |
| 80 10 28 1050 | | | .3 | 1 | 17878 | 6 | 5.0 | 5.0 | 0.130 | 0.032 | 0.020 | 0.900 | 0.038 | 1.200 |
| 80 11 25 1045 | | | .3 | 1 | 17886 | 6 | 3.0 | 5.0 | 0.038 | 0.020 | 0.080 | 0.650 | 0.016 | 0.480 |
| MAXIMUM | | | | | | | **25.0** | **9.0** | **0.142** | **0.084** | **0.110** | **1.750** | **0.062** | **1.500** |
| ARITH MEAN | | | | | | | **11.1** | **5.4** | **0.089** | **0.036** | **0.066** | **1.036** | **0.017** | **0.389L** |
| GEOM MEAN | | | | | | | **8.2** | **4.8** | **0.078** | **0.022** | **0.059** | **0.968** | **0.011** | **0.107L** |
| MINIMUM | | | | | | | **3.0** | **1.0** | **0.038** | **0.002** | **0.020** | **0.530** | **0.004** | **0.020<** |
| STD DEV | | | | | | | **8.7** | **2.1** | **0.044** | **0.029** | **0.027** | **0.383** | **0.020** | **0.570L** |
| NO OF SAMPLES | | | | | | | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 02 19 1040 | | | .3 | 1 | 0.146 | 0.990 | 1.136 | 560.0 | 6.00 |
| 80 03 25 1100 | | | .3 | 1 | 1.622 | 0.470 | 2.092 | 170.0 | 67.00 |
| 80 04 29 1030 | | | .3 | 1 | 0.226 | 0.600 | 0.826 | 355.0 | 4.40 |
| 80 05 27 1030 | | | .3 | 1 | 0.106 | 1.220 | 1.326 | 430.0 | 1.20 |
| 80 06 24 1030 | | | .3 | 1 | 0.078 | 1.200 | 1.278 | 405.0 | 1.30 |
| 80 07 29 1040 | | | .3 | 1 | 0.146 | 1.110 | 1.256 | 370.0 | 0.66 |
| 80 09 30 1100 | | | .3 | 1 | 0.084 | 1.690 | 1.774 | 500.0 | 0.85 |
| 80 10 28 1050 | | | .3 | 1 | 1.258 | 0.880 | 2.138 | 410.0 | 3.60 |
| 80 11 25 1045 | | | .3 | 1 | 0.576 | 0.570 | 1.146 | 410.0 | 0.85 |
| MAXIMUM | | | | | **1.622** | **1.690** | **2.138** | **560.0** | **67.00** |
| ARITH MEAN | | | | | **0.471** | **0.970** | **1.441** | **401.1** | **9.54** |
| GEOM MEAN | | | | | **0.251** | **0.899** | **1.380** | **384.3** | **2.56** |
| MINIMUM | | | | | **0.078** | **0.470** | **0.826** | **170.0** | **0.66** |
| STD DEV | | | | | **0.577** | **0.388** | **0.466** | **107.8** | **21.63** |
| NO OF SAMPLES | | | | | **9** | **9** | **9** | **9** | **9** |

B.O.W./ SITE: **TRENT RIVER**
SAMPLE POINT: **AT DAM, TOWN OF CAMPBELLFORD**
STATION TYPE: **RIVER FLOW GAUGE FED 02HK002**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-002-02**
STORET CODE: **02**
**004**
**1220**

LAT. LONG: U T M: **18 0276550.0 4908075.0 4** REGION: **03** DISTANCE: **98.864**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 24 1203 | | | .3 | 1 | 21025 | 6 | 122.000 | 16 | 480 | 2< | 6 | 0.0 | 9.9 | 0.2 |
| 80 02 28 1030 | | | .3 | 1 | 21032 | 6 | 42.900 | 20 | 36 | 2< | 4 | 0.0 | 12.4 | 0.2 |
| 80 03 25 1115 | | | .3 | 1 | 21094 | 6 | 358.000 | 4500 | 25000 | 76 | 284 | 1.5 | 12.4 | 0.6 |
| 80 04 24 0708 | | | .3 | 1 | 21165 | 6 | 363.000 | 40I | 280 | 10< | 10< | 8.9 | 10.4 | 1.4 |
| 80 05 22 0730 | | | .3 | 1 | 21237 | 6 | 70.700 | 112 | 720 | 8 | 52 | 16.5 | 8.4 | 1.2 |
| 80 06 25 1000 | | | .3 | 1 | 21299 | 6 | 94.300 | 120 | 2630 | 4 | 4 | 20.5 | 10.3 | 0.8 |
| 80 07 08 1020 | | | .3 | 1 | 21365 | 6 | 13.600 | | 5200 | 4< | 8 | 20.0 | 8.0 | 1.2 |
| 80 08 14 0745 | | | .3 | 1 | 21427 | 6 | 61.500 | | | | | 22.0 | 8.2 | 1.0 |
| 80 09 25 0800 | | | .3 | 1 | 21489 | 6 | 47.100 | | | | | 13.0 | 7.8 | 1.2 |
| 80 10 09 1505 | | | .3 | 1 | 21563 | 6 | 54.300 | | 3150 | 4 | 20 | 10.2 | 7.0 | 2.4 |
| 80 11 19 0930 | | | .3 | 1 | 21615 | 6 | 127.000 | 50I | 590 | 4 | 4 | 1.0 | 11.9 | 1.2 |
| 80 12 10 0930 | | | .3 | 1 | 21678 | 6 | 161.000 | | | | | 1.0 | 13.6 | 0.2 |
| MAXIMUM | | | | | | | 363.000 | 4500 | 25000 | 76 | 284 | 22.0 | 13.6 | 2.4 |
| ARITH MEAN | | | | | | | 126.283 | 694 | 4232 | 13L | 44L | 9.5 | 10.0 | 1.0 |
| GEOM MEAN | | | | | | | 87.386 | 87 | 1092 | 6L | 13L | 6.0 | 9.8 | 0.7 |
| MINIMUM | | | | | | | 13.600 | 16 | 36 | 2< | 4< | 0.0 | 7.0 | 0.2 |
| STD DEV | | | | | | | 116.916 | 1679 | 7976 | 24L | 91L | 8.7 | 2.2 | 0.6 |
| NO OF SAMPLES | | | | | | | 12 | 7 | 9 | 9 | 9 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 24 1203 | | | .3 | 1 | 0.018 | 0.002 | 0.034 | 0.430 | 0.005 | 0.185 | 0.224 | 0.396 | 0.620 | 132.0 |
| 80 02 28 1030 | | | .3 | 1 | 0.022 | 0.001 | 0.043 | 0.450 | 0.004 | 0.206 | 0.253 | 0.407 | 0.660 | 145.0 |
| 80 03 25 1115 | | | .3 | 1 | 0.069 | 0.014 | 0.148 | 0.700 | 0.009 | 0.336 | 0.493 | 0.552 | 1.045 | 149.0 |
| 80 04 24 0708 | | | .3 | 1 | 0.061 | 0.007 | 0.010 | 0.450 | 0.004 | 0.240 | 0.254 | 0.440 | 0.694 | 149.0 |
| 80 05 22 0730 | | | .3 | 1 | 0.023 | 0.001 | 0.010 | 0.440 | 0.010 | 0.004 | 0.024 | 0.430 | 0.454 | 141.0 |
| 80 06 25 1000 | | | .3 | 1 | 0.030 | 0.002 | 0.016 | 0.460 | 0.001 | 0.009 | 0.026 | 0.444 | 0.470 | 145.0 |
| 80 07 08 1020 | | | .3 | 1 | 0.029 | 0.001 | 0.016 | 0.500 | 0.002 | 0.003 | 0.021 | 0.484 | 0.505 | 149.0 |
| 80 08 14 0745 | | | .3 | 1 | 0.031 | 0.006 | 0.156 | 0.610 | 0.003 | 0.017 | 0.176 | 0.454 | 0.630 | 148.0 |
| 80 09 25 0800 | | | .3 | 1 | 0.041 | 0.004 | 0.144 | 0.710 | 0.019 | 0.050 | 0.213 | 0.566 | 0.779 | 148.0 |
| 80 10 09 1505 | | | .3 | 1 | 0.048 | 0.008 | 0.178 | 0.80 | 0.021 | 0.054 | 0.253 | 0.622 | 0.875 | 146 |
| 80 11 19 0930 | | | .3 | 1 | 0.015 | 0.002 | 0.018 | 0.430 | 0.002 | 0.043 | 0.063 | 0.412 | 0.475 | 144.0 |
| 80 12 10 0930 | | | .3 | 1 | 0.017 | 0.001 | 0.022 | 0.490 | 0.003 | 0.132 | 0.157 | 0.468 | 0.625 | 155.0 |
| MAXIMUM | | | | | 0.069 | 0.014 | 0.178 | 0.80 | 0.021 | 0.336 | 0.493 | 0.622 | 1.045 | 155.0 |
| ARITH MEAN | | | | | 0.034 | 0.004 | 0.066 | 0.53 | 0.007 | 0.107 | 0.180 | 0.473 | 0.653 | 146 |
| GEOM MEAN | | | | | 0.030 | 0.003 | 0.038 | 0.52 | 0.005 | 0.046 | 0.120 | 0.468 | 0.632 | 146 |
| MINIMUM | | | | | 0.015 | 0.001 | 0.010 | 0.430 | 0.001 | 0.003 | 0.021 | 0.396 | 0.454 | 132.0 |
| STD DEV | | | | | 0.018 | 0.004 | 0.066 | 0.13 | 0.007 | 0.111 | 0.136 | 0.071 | 0.178 | 6 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSP | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 24 1203 | | | .3 | 1 | 4.0 | | 680.0 | 1.20 | 5.600 | | 7.9 |
| 80 02 28 1030 | | | .3 | 1 | 0.6 | 144.000 | 221.0 | | 5.800 | 7.79 | 7.4 |
| 80 03 25 1115 | | | .3 | 1 | 22.0 | 127.000 | 195.0 | | 6.100 | 7.75 | 7.6 |
| 80 04 24 0708 | | | .3 | 1 | 16.0 | 133.000 | 205.0 | 3.60 | 5.100 | 7.83 | 7.9 |
| 80 05 22 0730 | | | .3 | 1 | 4.0 | 137.000 | 210.0 | 1.80 | 5.000 | 8.20 | 8.3 |
| 80 06 25 1000 | | | .3 | 1 | 5.0 | 140.000 | 215.0 | 2.10 | 6.065 | 8.33 | 8.3 |
| 80 07 08 1020 | | | .3 | 1 | 12.0 | 137.000 | 210.0 | 1.90 | 6.200 | 8.21 | 8.6 |
| 80 08 14 0745 | | | .3 | 1 | 5.0 | 143.000 | 220.0 | 1.80 | 6.150 | 7.54 | |
| 80 09 25 0800 | | | .3 | 1 | 15.0 | 143.000 | 220.0 | 2.60 | 6.200 | 7.65 | 8.4 |
| 80 10 09 1505 | | | .3 | 1 | 6 | 140 | 215 | 2.5 | 6.30 | 7.82 | 7.6 |
| 80 11 19 0930 | | | .3 | 1 | 4.0 | 140.000 | 215.0 | | 6.000 | 7.92 | 8.3 |
| 80 12 10 0930 | | | .3 | 1 | 5.0 | 150.000 | 230.0 | 1.80 | 5.950 | 8.01 | 8.0 |
| MAXIMUM | | | | | 22.0 | 150.000 | 680.0 | 3.60 | 6.30 | 8.33 | 8.6 |
| ARITH MEAN | | | | | 8 | 139 | 253 | 2.1 | 5.87 | 7.91 | 8.0 |
| GEOM MEAN | | | | | 6 | 139 | 236 | 2.0 | 5.86 | 7.91 | 8.0 |
| MINIMUM | | | | | 0.6 | 127.000 | 195.0 | 1.20 | 5.000 | 7.54 | 7.4 |
| STD DEV | | | | | 6 | 6 | 134 | 0.8 | 0.42 | 0.26 | 0.4 |
| NO OF SAMPLES | | | | | 12 | 11 | 12 | 9 | 12 | 11 | 11 |

B.O.W./ SITE: **CROWE RIVER**
SAMPLE POINT: **HIGHWAY 7, MARMORA**
STATION TYPE: **RIVER FLOW GAUGE FED 02HK003**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-003-02**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **18 0286450.0 4928850.0 4** REGION: **04** DISTANCE: **75.790**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | RSP | RSF | COND25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C |
| 80 03 19 0809 | | | 3 | 1 | 19000 | 6 | 14.300 | 0.0 | 13.0 | 0.004 | 0.002< | 4.00 | 135.00 | |
| 80 04 22 0756 | | | 3 | 1 | 19010 | 6 | 108.000 | 6.5 | 11.0 | 0.014 | 0.002< | 1.00 | 103.00 | |
| 80 05 21 0815 | | | 3 | 1 | 19020 | 6 | 28.300 | 14.5 | 8.0 | 0.014 | 0.002< | 1.00 | 104.000 | 1100.0 |
| 80 06 23 0753 | | | 3 | 1 | 19030 | 6 | 9.420 | 15.0 | 9.0 | 0.090 | 0.080 | 2.00 | | |
| 80 07 28 0820 | | | 3 | 1 | 19040 | 6 | 7.660 | 23.5 | 7.0 | 0.076 | 0.060 | 1.00 | 112.00 | |
| 80 09 02 0820 | | | 3 | 1 | 19050 | 6 | 3.110 | 23.0 | 8.0 | 0.026 | 0.002 | 1.00< | 107.000 | 165.0 |
| 80 10 07 0800 | | | 3 | 1 | 19060 | 6 | 3.720 | 13.0 | 9.0 | 0.018 | 0.002< | 1.00 | 117.000 | 170.0 |
| MAXIMUM | | | | | | | 108.000 | 23.5 | 13.0 | 0.090 | 0.080 | 4.00 | 135.00 | 1100.0 |
| ARITH MEAN | | | | | | | 24.930 | 13.6 | 9.3 | 0.035 | 0.021L | 1.57L | 113.00 | 478.3 |
| GEOM MEAN | | | | | | | 12.031 | 10.0 | 9.1 | 0.022 | 0.006L | 1.36L | 112.50 | 313.6 |
| MINIMUM | | | | | | | 3.110 | 0.0 | 7.0 | 0.004 | 0.002< | 1.00< | 103.00 | 165.0 |
| STD DEV | | | | | | | 37.616 | 8.4 | 2.1 | 0.034 | 0.034L | 1.13L | 11.98 | 538.4 |
| NO OF SAMPLES | | | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 3 |

| TEST-NAME: | | | | | ALKT | PH | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT | P1PCBT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ALK TOTAL MG/L AS CACO3 | PH | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | PCB TOTAL UG/L |
| 80 03 19 0809 | | | .3 | 1 | 74.0 | 7.90 | 0.001 | 0.230 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 04 22 0756 | | | .3 | 1 | 58.0 | 7.70 | 0.001< | 0.340 | 0.020< | 0.020 | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 05 21 0815 | | | .3 | 1 | 67.0 | 7.80 | 0.001< | 0.570 | | 0.120 | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 06 23 0753 | | | 3 | 1 | 69.0 | 7.80 | 0.001< | | 0.02 < | 0.01 | 0.03 < | 0.005 < | 0.01 < | 0.020R |
| 80 07 28 0820 | | | .3 | 1 | 67.0 | 7.70 | 0.001< | 0.660 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 09 02 0820 | | | .3 | 1 | 69.0 | 7.60 | 0.001< | 0.760 | 0.002< | 0.002 | 0.003< | 0.0002< | 0.001< | 0.020R |
| 80 10 07 0800 | | | 3 | 1 | 71.0 | 8.00 | 0.001 | 2.700 | 0.002< | 0.017 | 0.003< | 0.0002< | 0.004 | |
| MAXIMUM | | | | | 74.0 | 8.00 | 0.001 | 2.700 | 0.020 | 0.120 | 0.030 | 0.005 | 0.010 | |
| ARITH MEAN | | | | | 67.9 | 7.79 | 0.001L | 0.877 | 0.01 L | 0.02 L | 0.02 L | 0.003 L | 0.00 L | |
| GEOM MEAN | | | | | 67.7 | 7.78 | 0.001L | 0.626 | 0.00 L | 0.01 L | 0.01 L | 0.002 L | 0.00 L | |
| MINIMUM | | | | | 58.0 | 7.60 | 0.001< | 0.230 | 0.002< | 0.002< | 0.003< | 0.0002< | 0.001< | |
| STD DEV | | | | | 5.0 | 0.13 | 0.000L | 0.916 | 0.00 L | 0.04 L | 0.01 L | 0.002 L | 0.00 L | |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | |

B.O.W./ SITE: **TRENT RIVER**
SAMPLE POINT: **AT HIGH-LO COTTAGES DOCK**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-004-02**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **18 0264400.0 4910450.0 4** REGION: **03** DISTANCE: **80.787**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 02 28 1445 | | | .3 | 1 | 21044 | 6 | 10< | 20 | 4< | 4< | 0.0 | 12.6 | 0.4 | 0.020 |
| 80 03 25 1450 | | | .3 | 1 | 21106 | 6 3 | 2500 | 25000 | 112 | 520 | 1.5 | 12.7 | 0.6 | 0.061 |
| 80 04 24 1100 | | | .3 | 1 | 21179 | 6 3 | 72 | 120 | 2 | 18 | 9.9 | 10.2 | 1.6 | 0.029 |
| 80 05 22 1330 | | | .3 | 1 | 21249 | 6 | 208C | 1520 | 4 | 52 | 17.2 | 10.2 | 1.0 | 0.024 |
| 80 06 25 1430 | | | .3 | 1 | 21314 | 6 | 310 | 1800 | 24 | 60 | 22.0 | 9.8 | 1.0 | 0.024 |
| 80 07 08 1505 | | | .3 | 1 | 21377 | 6 | 340C | 4550 | 20 | 112 | 21.0 | 9.2 | 1.2 | 0.031 |
| 80 08 14 1330 | | | .3 | 1 | 21439 | 6 | | | | | 22.4 | 11.6 | 1.0 | 0.031 |
| 80 09 25 1315 | | | .3 | 1 | 21501 | 6 9 | | | | | 14.0 | 8.6 | 1.8 | 0.075 |
| 80 10 09 0935 | | | .3 | 1 | 21575 | 6 | 190C | 3050 | 4< | 8 | 9.5 | 9.3 | 3.0 | 0.060 |
| 80 11 19 1450 | | | .3 | 1 | 21627 | 6 | 60I | 160 | 4< | 4< | 2.0 | 11.9 | 0.8 | 0.024 |
| 80 12 10 1500 | | | .3 | 1 | 21690 | 6 | | | | | 0.8 | 14.2 | 0.5 | 0.018 |
| MAXIMUM | | | | | | | 2500 | 25000 | 112 | 520 | 22.4 | 14.2 | 3.0 | 0.075 |
| ARITH MEAN | | | | | | | 461L | 4527 | 22L | 97L | 10.9 | 10.9 | 1.2 | 0.036 |
| GEOM MEAN | | | | | | | 161L | 881 | 9L | 28L | 6.2 | 10.8 | 1.0 | 0.032 |
| MINIMUM | | | | | | | 10< | 20 | 2< | 4< | 0.0 | 8.6 | 0.4 | 0.018 |
| STD DEV | | | | | | | 832L | 8423 | 37L | 175L | 8.9 | 1.8 | 0.7 | 0.020 |
| NO OF SAMPLES | | | | | | | 8 | 8 | 8 | 8 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 02 28 1445 | | | .3 | 1 | 0.001 | 0.056 | 0.470 | 0.006 | 0.204 | 0.266 | 0.414 | 0.680 | 146.0 | 0.1< |
| 80 03 25 1450 | | | .3 | 1 | 0.016 | 0.156 | 0.650 | 0.011 | 0.394 | 0.561 | 0.494 | 1.055 | 160.0 | 7.0 |
| 80 04 24 1100 | | | .3 | 1 | 0.001 | 0.012 | 0.460 | 0.006 | 0.260 | 0.278 | 0.448 | 0.726 | 154.0 | 11.0 |
| 80 05 22 1330 | | | .3 | 1 | 0.001< | 0.008 | 0.440 | 0.002 | 0.008 | 0.018 | 0.432 | 0.450 | 148.0 | 5.0 |
| 80 06 25 1430 | | | .3 | 1 | 0.001< | 0.010 | 0.430 | 0.001 | 0.009 | 0.020 | 0.420 | 0.440 | 136.0 | 6.0 |
| 80 07 08 1505 | | | .3 | 1 | 0.001 | 0.006 | 0.49 | 0.002 | 0.005< | 0.013 | 0.484 | 0.497 | 144 | 4 |
| 80 08 14 1330 | | | .3 | 1 | 0.001 | 0.182 | 0.740 | 0.002 | 0.003 | 0.187 | 0.558 | 0.745 | 153.0 | 7.0 |
| 80 09 25 1315 | | | .3 | 1 | 0.007 | 0.212 | 1.150 | 0.002 | 0.013 | 0.227 | 0.938 | 1.165 | 154.0 | 8.0 |
| 80 10 09 0935 | | | .3 | 1 | 0.011 | 0.216 | 0.98 | 0.007 | 0.018 | 0.241 | 0.764 | 1.005 | 152 | 9 |
| 80 11 19 1450 | | | .3 | 1 | 0.001 | 0.018 | 0.470 | 0.002 | 0.043 | 0.063 | 0.452 | 0.515 | 137.0 | 4.0 |
| 80 12 10 1500 | | | .3 | 1 | 0.001 | 0.014 | 0.470 | 0.003 | 0.122 | 0.139 | 0.456 | 0.595 | 149.0 | 3.0 |
| MAXIMUM | | | | | 0.016 | 0.216 | 1.150 | 0.011 | 0.394 | 0.561 | 0.938 | 1.165 | 160.0 | 11.0 |
| ARITH MEAN | | | | | 0.004L | 0.081 | 0.61 | 0.004 | 0.098L | 0.183 | 0.533 | 0.716 | 148 | 5 L |
| GEOM MEAN | | | | | 0.002L | 0.036 | 0.57 | 0.003 | 0.031L | 0.106 | 0.514 | 0.677 | 148 | 4 L |
| MINIMUM | | | | | 0.001< | 0.006 | 0.430 | 0.001 | 0.003< | 0.013 | 0.414 | 0.440 | 136.0 | 0.1< |
| STD DEV | | | | | 0.005L | 0.080 | 0.24 | 0.003 | 0.133L | 0.182 | 0.167 | 0.256 | 7 | 3 L |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

(CONTD)

| TEST-NAME: SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RSF<br>RESIDUE FILTERED MG/L | COND25<br>CONDUCT. 25C UMHO/CM AT 25 C | TURB<br>TURB'ITY FTU | CLIDUR<br>CHLORIDE UNF.REAC MG/L AS CL | PH<br>PH | FWPH<br>PH FIELD |
|---|---|---|---|---|---|---|---|---|---|---|
| 80 02 28 1445 | | | .3 | 1 | 146.000 | 225.0 | | 5.950 | 7.87 | 7.3 |
| 80 03 25 1450 | | | .3 | 1 | 153.000 | 235.0 | | 7.700 | 7.61 | 7.5 |
| 80 04 24 1100 | | | .3 | 1 | 143.000 | 220.0 | 2.30 | 5.900 | 7.87 | 8.2 |
| 80 05 22 1330 | | | .3 | 1 | 143.000 | 220.0 | 2.10 | 6.100 | 8.30 | 8.5 |
| 80 06 25 1430 | | | .3 | 1 | 130.000 | 200.0 | | 6.650 | 8.45 | 8.5 |
| 80 07 08 1505 | | | .3 | 1 | 140 | 215 | 2.8 | 7.00 | 8.39 | 8.7 |
| 80 08 14 1330 | | | .3 | 1 | 146.000 | 225.0 | | 6.500 | 8.22 | |
| 80 09 25 1315 | | | .3 | 1 | 146.000 | 225.0 | 3.50 | 7.150 | 7.84 | 9.4 |
| 80 10 09 0935 | | | .3 | 1 | 143 | 220 | | 6.25 | 7.81 | 7.7 |
| 80 11 19 1450 | | | .3 | 1 | 133.000 | 205.0 | 1.30 | 5.650 | 7.96 | 8.5 |
| 80 12 10 1500 | | | .3 | 1 | 146.000 | 225.0 | | 6.350 | 8.02 | 7.8 |
| MAXIMUM | | | | | 153.000 | 235.0 | 3.50 | 7.700 | 8.45 | 9.4 |
| ARITH MEAN | | | | | 142 | 219 | 2.4 | 6.47 | 8.03 | 8.2 |
| GEOM MEAN | | | | | 142 | 219 | 2.2 | 6.44 | 8.03 | 8.2 |
| MINIMUM | | | | | 130.000 | 200.0 | 1.30 | 5.650 | 7.61 | 7.3 |
| STD DEV | | | | | 6 | 9 | 0.8 | 0.61 | 0.27 | 0.6 |
| NO OF SAMPLES | | | | | 11 | 11 | 5 | 11 | 11 | 10 |

B.O.W. / SITE: **TRENT RIVER**
SAMPLE POINT: **AT DENTS COTTAGES DOCK**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-005-02**
STORET CODE: **02**
**604**
**1220**

LAT: LONG: U.T.M.: **18 0264350.0 4910200.0 4** REGION: **03** DISTANCE: **80.940**

| TEST-NAME: SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE<br>SAMPLE NUMBER | FWSTRC<br>STREAM COND. | TCMF<br>COLIFORM TOTAL MF CNT /100ML | TCMFBK<br>COLIFORM TOTAL MF BCKGRD CNT /100ML | FCMF<br>FECAL COLIFORM MF CNT /100ML | FSMF<br>FECAL STREPCUS MF CNT /100ML | FWTEMP<br>WATER TEMP DEG.C | DO<br>DISOLVED OXYGEN MG/L AS O | BOD5<br>BOD 5 DAY TOT.DEM. MG/L AS O | PPUT<br>PHOSPHOR UNF.TOT. MG/L AS P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 24 1115 | | | .3 | 1 | 21022 | 6 | 76 | 480 | 2 | 4< | 0.0 | 10.9 | 0.2 | 0.014 |
| 80 02 28 1415 | | | .3 | 1 | 21042 | 4 | 28 | 84 | 2< | 54 | 0.0 | 12.4 | 1.4 | 0.049 |
| 80 03 25 1515 | | | .3 | 1 | 21108 | 6 | 1140C | 6000 | 44 | 544 | 1.5 | 13.6 | 0.6 | 0.140 |
| 80 04 24 1220 | | | .3 | 1 | 21177 | 6 3 | 44 | 36 | 2< | 2< | 9.0 | 10.0 | 1.4 | 0.023 |
| 80 05 22 1400 | | | .3 | 1 | 21247 | 6 | 236 | 960 | 4 | 14 | 17.5 | 9.8 | 0.8 | 0.028 |
| 80 06 25 1500 | | | .3 | 1 | 21312 | 6 | 56 | 640 | 10 | 18 | 22.0 | 9.8 | 0.8 | 0.024 |
| 80 07 08 1528 | | | .3 | 1 | 21375 | 6 | 2700 | 10100 | 564 | 272 | 20.8 | 9.2 | 1.2 | 0.032 |
| 80 08 14 1400 | | | .3 | 1 | 21437 | 6 | | | | | 22.5 | 11.8 | | 0.032 |
| 80 09 25 1345 | | | .3 | 1 | 21499 | 6 | | | | | 14.0 | 8.4 | 5.2 | 0.060 |
| 80 10 09 0900 | | | .3 | 1 | 21573 | 6 | 270 | 1000 | 10< | 20I | 9.5 | 10.1 | 3.0 | 0.064 |
| 80 11 19 1520 | | | .3 | 1 | 21625 | 6 | 10I | 70 | 4< | 4< | 1.5 | 12.5 | 1.0 | 0.015 |
| 80 12 10 1445 | | | .3 | 1 | 21688 | 6 | | | | | 1.0 | 14.4 | 0.2 | 0.015 |
| MAXIMUM | | | | | | | 2700 | 10100 | 564 | 544 | 22.5 | 14.4 | 5.2 | 0.140 |
| ARITH MEAN | | | | | | | 507 | 2152 | 71L | 104L | 9.9 | 11.1 | 1.4 | 0.041 |
| GEOM MEAN | | | | | | | 130 | 538 | 9L | 22L | 5.3 | 10.9 | 0.9 | 0.032 |
| MINIMUM | | | | | | | 10 | 36 | 2< | 2< | 0.0 | 8.4 | 0.2 | 0.014 |
| STD DEV | | | | | | | 896 | 3516 | 185L | 188L | 9.1 | 1.9 | 1.5 | 0.035 |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 12 | 12 | 11 | 12 |

| TEST-NAME: SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PPO4FR<br>PO4 FIL.REAC MG/L AS P | NNHTFR<br>NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR<br>K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR<br>NO2-N FIL.REAC MG/L AS N | NNO3FR<br>NO3-N FIL.REAC MG/L AS N | NNTIFR<br>ORG N TOTAL FIL.REAC MG/L | NNKUR<br>KJELDAHL ORGANIC UNF.REAC MG/L | NNKI<br>TOTAL N MG/L AS N | RST<br>RESIDUE TOTAL MG/L | RSP<br>RESIDUE PARTIC. MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 24 1115 | | | .3 | 1 | 0.002 | 0.044 | 0.410 | 0.005 | 0.195 | 0.244 | 0.366 | 0.610 | 141.0 | 1.0 |
| 80 02 28 1415 | | | .3 | 1 | 0.001 | 0.072 | 0.580 | 0.006 | 0.209 | 0.287 | 0.508 | 0.795 | 153.0 | 0.5 |
| 80 03 25 1515 | | | .3 | 1 | 0.015 | 0.156 | 1.030 | 0.009 | 0.316 | 0.481 | 0.874 | 1.355 | 151.0 | 8.0 |
| 80 04 24 1220 | | | .3 | 1 | 0.002 | 0.014 | 0.420 | 0.006 | 0.254 | 0.274 | 0.406 | 0.680 | 147.0 | 7.0 |
| 80 05 22 1400 | | | .3 | 1 | 0.001 | 0.014 | 0.500 | 0.007 | 0.503 | 0.524 | 0.486 | 1.010 | 155.0 | 5.0 |
| 80 06 25 1500 | | | .3 | 1 | 0.001 | 0.002 | 0.430 | 0.001 | 0.004 | 0.007 | 0.428 | 0.435 | 134.0 | 4.0 |
| 80 07 08 1528 | | | .3 | 1 | 0.002 | 0.036 | 0.57 | 0.002 | 0.005< | 0.043 | 0.534 | 0.577 | 144 | 4 |
| 80 08 14 1400 | | | .3 | 1 | 0.003 | 0.222 | 0.700 | 0.001 | 0.005< | 0.228 | 0.478 | 0.706 | | |
| 80 09 25 1345 | | | .3 | 1 | 0.001< | 0.262 | 1.480 | 0.001< | 0.015 | 0.278 | 1.218 | 1.496 | 153.0 | 7.0 |
| 80 10 09 0900 | | | .3 | 1 | 0.016 | 0.268 | 0.93 | 0.007 | 0.028 | 0.303 | 0.662 | 0.965 | 152 | 9 |
| 80 11 19 1520 | | | .3 | 1 | 0.002 | 0.020 | 0.410 | 0.003 | 0.037 | 0.060 | 0.390 | 0.450 | 137.0 | 4.0 |
| 80 12 10 1445 | | | .3 | 1 | 0.001 | 0.012 | 0.460 | 0.003 | 0.097 | 0.112 | 0.448 | 0.560 | 144.0 | 4.0 |
| MAXIMUM | | | | | 0.016 | 0.268 | 1.480 | 0.009 | 0.503 | 0.524 | 1.218 | 1.496 | 155.0 | 9 |
| ARITH MEAN | | | | | 0.004L | 0.093 | 0.66 | 0.004L | 0.139L | 0.237 | 0.606 | 0.803 | 146 | 4 |
| GEOM MEAN | | | | | 0.002L | 0.041 | 0.60 | 0.003L | 0.060L | 0.155 | 0.530 | 0.745 | 146 | 3 |
| MINIMUM | | | | | 0.001< | 0.002 | 0.410 | 0.001< | 0.004< | 0.007 | 0.366 | 0.435 | 134.0 | 0.5 |
| STD DEV | | | | | 0.005L | 0.104 | 0.33 | 0.003L | 0.169L | 0.162 | 0.248 | 0.342 | 7 | 2 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 11 | 11 |

| TEST-NAME: SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RSF<br>RESIDUE FILTERED MG/L | COND25<br>CONDUCT. 25C UMHO/CM AT 25 C | TURB<br>TURB'ITY FTU | CLIDUR<br>CHLORIDE UNF.REAC MG/L AS CL | PH<br>PH | FWPH<br>PH FIELD |
|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 24 1115 | | | .3 | 1 | 140.000 | 215.0 | 1.10 | 6.300 | | 8.0 |
| 80 02 28 1415 | | | .3 | 1 | 152.000 | 234.0 | | 6.750 | 7.89 | 7.4 |
| 80 03 25 1515 | | | .3 | 1 | 143.000 | 220.0 | | 7.050 | 7.61 | 7.4 |
| 80 04 24 1220 | | | .3 | 1 | 140.000 | 210.0 | 2.70 | 6.050 | 8.25 | 8.2 |
| 80 05 22 1400 | | | .3 | 1 | 150.000 | 230.0 | 2.00 | 6.400 | 8.54 | 8.4 |
| 80 06 25 1500 | | | .3 | 1 | 130.000 | 200.0 | | 6.550 | 8.43 | 8.5 |
| 80 07 08 1528 | | | .3 | 1 | 140 | 215 | 2.2 | 6.95 | 8.30 | 8.7 |
| 80 08 14 1400 | | | .3 | 1 | | 225.0 | | 6.450 | 8.14 | |
| 80 09 25 1345 | | | .3 | 1 | 146.000 | 225.0 | 3.40 | 6.350 | 7.82 | 9.3 |
| 80 10 09 0900 | | | .3 | 1 | 143 | 220 | | 6.20 | 7.68 | 7.7 |
| 80 11 19 1520 | | | .3 | 1 | 133.000 | 205.0 | 1.10 | 5.950 | 8.05 | 8.4 |
| 80 12 10 1445 | | | .3 | 1 | 140.000 | 215.0 | | 6.250 | 8.04 | 7.9 |
| MAXIMUM | | | | | 152.000 | 234.0 | 3.40 | 7.050 | 8.54 | 9.3 |
| ARITH MEAN | | | | | 141 | 217 | 2.0 | 6.43 | 8.07 | 8.2 |
| GEOM MEAN | | | | | 141 | 217 | 1.9 | 6.42 | 8.06 | 8.2 |
| MINIMUM | | | | | 130.000 | 200.0 | 1.10 | 5.950 | 7.61 | 7.4 |
| STD DEV | | | | | 6 | 10 | 0.9 | 0.33 | 0.30 | 0.6 |
| NO OF SAMPLES | | | | | 11 | 12 | 6 | 12 | 11 | 11 |

B.O.W./ SITE: **INDIAN RIVER**
SAMPLE POINT: **FIRST ROAD SOUTH OF KEENE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-006-02**
STORET CODE: **02**
**004**
**1220**

LAT
LONG.
U T M **17 0728850.0 4902425.0 4**
REGION: **03**
DISTANCE: **102.834**

| TEST-NAME | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 02 28 1510 | | .3 | 1 | 21045 | 4 | 90I | 1000 | 16 | 52 | 0.0 | 11.4 | 0.8 | 0.030 |
| 80 03 25 1535 | | .3 | 1 | 21109 | 4 | 1100 | 15000 | 28 | 292 | 0.5 | 12.6 | 1.4 | 0.080 |
| 80 04 24 1300 | | .3 | 1 | 21180 | 6 | 140C | 2800 | 2 | 10 | 11.5 | 8.9 | 0.6 | 0.015 |
| 80 05 22 1430 | | .3 | 1 | 21252 | 6 | 144C | 3600 | 8 | 2 | 21.5 | 7.6 | 1.0 | 0.028 |
| 80 06 25 1530 | | .3 | 1 | 21317 | 6 8 9 | 29000 | 21000 | 44 | 4< | 24.9 | 8.8 | 0.6 | 0.027 |
| 80 07 08 1600 | | .3 | 1 | 21380 | 5 8 9 | 220 | 2050 | 56 | 120 | 8.4 | 8.4 | 0.6 | 0.020 |
| 80 08 14 1430 | | .3 | 1 | 21442 | 5 7 9 | | | | | 21.2 | 8.8 | 0.6 | 0.025 |
| 80 09 25 1500 | | .3 | 1 | 21504 | 5 8 9 | | | | | 12.4 | 8.4 | 0.2 | 0.018 |
| 80 10 08 1620 | | .3 | 1 | 21555 | 5 8 9 | 140C | 2900 | 48 | 40 | 10.2 | 10.2 | 0.4 | 0.017 |
| 80 11 19 1600 | | .3 | 1 | 21630 | 4 | 90I | 180 | 4< | 4 | 1.8 | 11.3 | 0.6 | 0.009 |
| 80 12 10 1530 | | .3 | 1 | 21693 | 4 | | | | | 0.0 | 12.6 | 0.5 | 0.021 |
| | | MAXIMUM | | | | 29000 | 21000 | 56 | 292 | 24.9 | 12.6 | 1.4 | 0.080 |
| | | ARITH MEAN | | | | 3866 | 6066 | 26L | 65L | 10.2 | 9.9 | 0.7 | 0.026 |
| | | GEOM MEAN | | | | 335 | 2783 | 16L | 20L | 5.4 | 9.8 | 0.6 | 0.023 |
| | | MINIMUM | | | | 90 | 180 | 2< | 2< | 0.0 | 7.6 | 0.2 | 0.009 |
| | | STD DEV | | | | 10162 | 7616 | 21L | 100L | 9.2 | 1.8 | 0.3 | 0.019 |
| | | NO OF SAMPLES | | | | 8 | 8 | 8 | 8 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 02 28 1510 | | .3 | 1 | 0.003 | 0.046 | 0.440 | 0.004 | 0.266 | 0.316 | 0.394 | 0.710 | 179.0 | 1.0 |
| 80 03 25 1535 | | .3 | 1 | 0.036 | 0.124 | 1.480 | 0.012 | 0.543 | 0.679 | 1.356 | 2.035 | 145.0 | 5.0 |
| 80 04 24 1300 | | .3 | 1 | 0.002 | 0.020 | 0.440 | 0.003 | 0.057 | 0.080 | 0.420 | 0.500 | 223.0 | 2.0 |
| 80 05 22 1430 | | .3 | 1 | 0.002 | 0.018 | 0.620 | 0.005 | 0.010 | 0.033 | 0.602 | 0.635 | 231.0 | 3.0 |
| 80 06 25 1530 | | .3 | 1 | 0.002 | 0.014 | 0.460 | 0.003 | 0.012 | 0.029 | 0.446 | 0.475 | 187.0 | 5.0 |
| 80 07 08 1600 | | .3 | 1 | 0.001 | 0.012 | 0.46 | 0.002 | 0.003 | 0.017 | 0.448 | 0.465 | 174 | 2 |
| 80 08 14 1430 | | .3 | 1 | 0.004 | 0.066 | 0.450 | 0.003 | 0.012 | 0.081 | 0.384 | 0.465 | 165.0 | 2.0 |
| 80 09 25 1500 | | .3 | 1 | 0.005 | 0.024 | 0.36 | 0.001 | 0.024 | 0.049 | 0.336 | 0.385 | 149 | 3 |
| 80 10 08 1620 | | .3 | 1 | 0.008 | 0.026 | 0.360 | 0.007 | 0.013 | 0.046 | 0.334 | 0.380 | 148.0 | 2.0 |
| 80 11 19 1600 | | .3 | 1 | | 0.006 | 0.450 | 0.002 | 0.073 | 0.081 | 0.444 | 0.525 | 245.0 | 8.0 |
| 80 12 10 1530 | | .3 | 1 | 0.008 | 0.086 | 0.670 | 0.006 | 0.449 | 0.541 | 0.584 | 1.125 | 281.0 | 3.0 |
| | | MAXIMUM | | 0.036 | 0.124 | 1.480 | 0.012 | 0.543 | 0.679 | 1.356 | 2.035 | 281.0 | 8.0 |
| | | ARITH MEAN | | 0.007 | 0.040 | 0.56 | 0.004 | 0.133 | 0.177 | 0.523 | 0.700 | 193 | 3 |
| | | GEOM MEAN | | 0.004 | 0.028 | 0.51 | 0.004 | 0.039 | 0.087 | 0.479 | 0.606 | 188 | 2 |
| | | MINIMUM | | 0.001 | 0.006 | 0.36 | 0.001 | 0.003 | 0.017 | 0.334 | 0.380 | 145.0 | 1.0 |
| | | STD DEV | | 0.010 | 0.037 | 0.31 | 0.003 | 0.196 | 0.231 | 0.290 | 0.490 | 46 | 2 |
| | | NO OF SAMPLES | | 10 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | COND25 | TURB | CLIDUR | PH | FWPH | ASUT | ALUT | CRUT | CUUT | PBUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB |
| 80 02 28 1510 | | .3 | 1 | 274.0 | 1.00 | 6.850 | 7.79 | 7.4 | | | | | |
| 80 03 25 1535 | | .3 | 1 | 215.0 | 6.00 | 5.050 | 7.64 | 7.5 | | | | | |
| 80 04 24 1300 | | .3 | 1 | 340.0 | 2.00 | 6.250 | 8.13 | 8.1 | | | | | |
| 80 05 22 1430 | | .3 | 1 | 350.0 | 1.80 | 6.650 | 7.85 | 7.6 | 0.001< | 0.090 | 0.020< | 0.050 | 0.030< |
| 80 06 25 1530 | | .3 | 1 | 280.0 | 2.20 | 5.550 | 8.15 | 8.7 | | | | | |
| 80 07 08 1600 | | .3 | 1 | 265 | 2.0 | 4.95 | 8.11 | 8.6 | | | | | |
| 80 08 14 1430 | | .3 | 1 | 250.0 | 1.10 | 5.250 | 7.81 | | | | | | |
| 80 09 25 1500 | | .3 | 1 | 225 | 1.5 | 5.10 | 8.01 | 8.5 | | | | | |
| 80 10 08 1620 | | .3 | 1 | 225.0 | 1.10 | 5.150 | 7.95 | 8.4 | | | | | |
| 80 11 19 1600 | | .3 | 1 | 375.0 | 0.69 | 9.450 | 8.01 | 8.2 | | | | | |
| 80 12 10 1530 | | .3 | 1 | 440.0 | 1.50 | 15.000 | 7.82 | 7.7 | | | | | |
| | | MAXIMUM | | 440.0 | 6.00 | 15.000 | 8.15 | 8.7 | 0.001 | 0.090 | 0.020 | 0.050 | 0.030 |
| | | ARITH MEAN | | 294 | 1.9 | 6.84 | 7.93 | 8.1 | 0.001L | 0.090 | 0.020L | 0.050 | 0.030L |
| | | GEOM MEAN | | 287 | 1.6 | 6.42 | 7.93 | 8.1 | | | | | |
| | | MINIMUM | | 215.0 | 0.69 | 4.95 | 7.64 | 7.4 | 0.001< | 0.090 | 0.020< | 0.050 | 0.030< |
| | | STD DEV | | 72 | 1.4 | 3.01 | 0.16 | 0.5 | | | | | |
| | | NO OF SAMPLES | | 11 | 11 | 11 | 11 | 10 | 1 | 1 | 1 | 1 | 1 |

| TEST-NAME: | | | | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 05 22 1430 | | .3 | 1 | 0.005< | 0.010< | 0.020< | 0.020< |
| | | MAXIMUM | | 0.005 | 0.010 | 0.020 | 0.020 |
| | | ARITH MEAN | | 0.005L | 0.010L | 0.020L | 0.020L |
| | | GEOM MEAN | | | | | |
| | | MINIMUM | | 0.005< | 0.010< | 0.020< | 0.020< |
| | | STD DEV | | | | | |
| | | NO OF SAMPLES | | 1 | 1 | 1 | 1 |

B.O.W./ SITE: **OUSE RIVER**
SAMPLE POINT: **AT HIGHWAY 45**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-007-02**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **18 0262750.0 4918250.0 4** REGION: **03** DISTANCE: **104.122**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 24 1315 | | | .3 | 1 | 21029 | 6 | 176C | 1880 | 6 | 14 | 0.0 | 10.1 | 0.8 | 0.006 |
| 80 02 28 1340 | | | .3 | 1 | 21040 | 6 | 40I | 310 | 8 | 6 | 0.0 | 12.6 | 1.4 | 0.010 |
| 80 03 25 1430 | | | .3 | 1 | 21104 | 6 3 | 1400 | 15000 | 56 | 412 | 0.5 | 13.6 | 1.0 | 0.068 |
| 80 04 24 1115 | | | .3 | 1 | 21175 | 6 | 60I | 80 | 4< | 10< | 8.2 | 9.5 | 0.6 | 0.018 |
| 80 05 22 1215 | | | .3 | 1 | 21250 | 6 | 324C | 3200 | 20 | 12 | 15.4 | 9.6 | 1.0 | 0.016 |
| 80 06 25 1245 | | | .3 | 1 | 21315 | 6 | 340C | 7100 | 20 | 76 | 22.5 | 9.7 | 0.8 | 0.015 |
| 80 07 08 1430 | | | .3 | 1 | 21378 | 6 | 26000 | 100000 | 424 | 600> | 19.5 | 8.2 | 1.2 | 0.033 |
| 80 08 14 1138 | | | .3 | 1 | 21440 | 6 | | | | | 20.2 | 9.0 | 1.0 | 0.021 |
| 80 09 25 1010 | | | .3 | 1 | 21502 | | | | | | | | 0.4 | 0.016 |
| 80 10 09 1015 | | | .3 | 1 | 21576 | 6 | 500I | 23000 | 10I | 100 | 7.2 | 8.0 | 0.6 | 0.017 |
| 80 11 19 1325 | | | .3 | 1 | 21628 | 6 | 120I | 1600 | 10I | 20I | 4.0 | 12.0 | 1.2 | 0.118 |
| 80 12 10 1400 | | | .3 | 1 | 21691 | 6 | | | | | 0.8 | 12.8 | 0.4 | 0.009 |
| MAXIMUM | | | | | | | 26000 | 100000 | 424 | 600> | 22.5 | 13.6 | 1.4 | 0.118 |
| ARITH MEAN | | | | | | | 3218 | 16908 | 62L | 1398 | 8.9 | 10.6 | 0.8 | 0.029 |
| GEOM MEAN | | | | | | | 360 | 3388 | 18L | 428 | 4.4 | 10.3 | 0.8 | 0.020 |
| MINIMUM | | | | | | | 40 | 80 | 4< | 6< | 0.0 | 8.0 | 0.4 | 0.006 |
| STD DEV | | | | | | | 8553 | 32109 | 137L | 2168 | 8.9 | 1.9 | 0.3 | 0.033 |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 11 | 11 | 12 | 12 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 24 1315 | | | .3 | 1 | 0.002 | 0.018 | 0.350 | 0.003 | 0.232 | 0.253 | 0.332 | 0.585 | 286.0 | 0.2 |
| 80 02 28 1340 | | | .3 | 1 | 0.002 | 0.036 | 0.240 | 0.005 | 0.465 | 0.506 | 0.204 | 0.710 | 306.0 | 0.2 |
| 80 03 25 1430 | | | .3 | 1 | 0.032 | 0.115 | 1.100 | 0.010 | 0.430 | 0.555 | 0.985 | 1.540 | 151.0 | 5.0 |
| 80 04 24 1115 | | | .3 | 1 | 0.006 | 0.008 | 0.320 | 0.002 | 0.073 | 0.083 | 0.312 | 0.395 | 233.0 | 2.0 |
| 80 05 22 1215 | | | .3 | 1 | 0.001< | 0.002 | 0.440 | 0.004 | 0.056 | 0.062 | 0.438 | 0.500 | 250.0 | 3.0 |
| 80 06 25 1245 | | | .3 | 1 | 0.001 | 0.014 | 0.450 | 0.003 | 0.092 | 0.109 | 0.436 | 0.545 | 244.0 | 3.0 |
| 80 07 08 1430 | | | .3 | 1 | 0.004 | 0.036 | 0.56 | 0.004 | 0.086 | 0.126 | 0.524 | 0.650 | 259 | 5 |
| 80 08 14 1138 | | | .3 | 1 | 0.007 | 0.076 | 0.610 | 0.008 | 0.232 | 0.316 | 0.534 | 0.850 | 287.0 | 4.0 |
| 80 09 25 1010 | | | .3 | 1 | 0.015 | 0.052 | 0.48 | 0.003 | 0.297 | 0.352 | 0.428 | 0.780 | 278 | 3 |
| 80 10 09 1015 | | | .3 | 1 | 0.001 | 0.026 | 0.48 | 0.007 | 0.393 | 0.426 | 0.454 | 0.880 | 276 | 3 |
| 80 11 19 1325 | | | .3 | 1 | 0.005 | 0.010 | 0.430 | 0.002 | 0.198 | 0.210 | 0.420 | 0.630 | 284.0 | 1.0 |
| 80 12 10 1400 | | | .3 | 1 | 0.004 | 0.026 | 0.470 | 0.002 | 0.253 | 0.281 | 0.444 | 0.725 | 282.0 | 2.0 |
| MAXIMUM | | | | | 0.032 | 0.115 | 1.100 | 0.010 | 0.465 | 0.555 | 0.985 | 1.540 | 306.0 | 5.0 |
| ARITH MEAN | | | | | 0.007L | 0.036 | 0.49 | 0.004 | 0.234 | 0.273 | 0.459 | 0.732 | 261 | 2 |
| GEOM MEAN | | | | | 0.004L | 0.022 | 0.46 | 0.004 | 0.189 | 0.222 | 0.430 | 0.691 | 257 | 1 |
| MINIMUM | | | | | 0.001< | 0.002 | 0.240 | 0.002 | 0.056 | 0.062 | 0.204 | 0.395 | 151.0 | 0.2 |
| STD DEV | | | | | 0.009L | 0.033 | 0.21 | 0.003 | 0.142 | 0.165 | 0.189 | 0.291 | 40 | 1 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 24 1315 | | | .3 | 1 | 286.0 | 435.0 | 0.80 | 5.950 | | 8.0 |
| 80 02 28 1340 | | | .3 | 1 | 306.0 | 466.0 | | 7.800 | 7.96 | 7.5 |
| 80 03 25 1430 | | | .3 | 1 | 146.000 | 225.0 | | 3.550 | 7.68 | |
| 80 04 24 1115 | | | .3 | 1 | 231.000 | 355.0 | 1.30 | 4.100 | 8.07 | 8.0 |
| 80 05 22 1215 | | | .3 | 1 | 247.000 | 380.0 | 1.50 | 4.650 | 8.28 | |
| 80 06 25 1245 | | | .3 | 1 | 241.000 | 370.0 | | 5.400 | 8.20 | 8.1 |
| 80 07 08 1430 | | | .3 | 1 | 254 | 390 | 2.7 | 3.70 | 8.10 | 8.4 |
| 80 08 14 1138 | | | .3 | 1 | 283.000 | 435.0 | 1.30 | 7.100 | 7.84 | |
| 80 09 25 1010 | | | .3 | 1 | 275 | 445 | 0.99 | 14.5 | 8.07 | |
| 80 10 09 1015 | | | .3 | 1 | 273 | 455 | | 14.5 | 7.72 | 7.2 |
| 80 11 19 1325 | | | .3 | 1 | 283.0 | 430.0 | 0.42 | 8.400 | 7.96 | 8.2 |
| 80 12 10 1400 | | | .3 | 1 | 280.0 | 465.0 | | 22.000 | 7.85 | 7.7 |
| MAXIMUM | | | | | 306.0 | 466.0 | 2.7 | 22.000 | 8.28 | 8.4 |
| ARITH MEAN | | | | | 258 | 404 | 1.2 | 8.4 | 7.98 | 7.9 |
| GEOM MEAN | | | | | 254 | 397 | 1.1 | 7.1 | 7.97 | 7.9 |
| MINIMUM | | | | | 146.000 | 225.0 | 0.42 | 3.550 | 7.68 | 7.2 |
| STD DEV | | | | | 41 | 68 | 0.7 | 5.6 | 0.19 | 0.4 |
| NO OF SAMPLES | | | | | 12 | 12 | 7 | 12 | 11 | 8 |

B.O.W./ SITE: **OTONABEE RIVER**
SAMPLE POINT: **AT BENSFORTH BRIDGE S.OF PETERBOROUGH**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-008-02**

STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **17 0717425.0 4898200.0 4** REGION: **03** DISTANCE: **125.204**

| | | | TEST-NAME: | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 22 1345 | | | .3 | 1 | 21010 | 6 | 2300 | 4900 | 730 | 70I | 0.0 | 10.1 | 0.2 | 0.013 |
| 80 03 25 1600 | | | .3 | 1 | 21110 | 6 | 3800 | 21000 | 280 | 660 | 1.2 | 12.9 | 0.8 | 0.053 |
| 80 04 24 1630 | | | .3 | 1 | 21181 | 6 | 100I | 1100 | 20I | 20I | 21.0 | 8.0 | 0.8 | 0.019 |
| 80 05 22 1455 | | | .3 | 1 | 21253 | 6 | 160 | 1500 | 8 | 4 | 17.5 | 9.1 | 0.8 | 0.030 |
| 80 06 25 1600 | | | .3 | 1 | 21318 | 6 | 270C | 3500 | 12 | 8 | 21.0 | 10.0 | 0.8 | 0.024 |
| 80 07 08 1630 | | | .3 | 1 | 21381 | 6 | | 3000 | 4 | 64 | 21.0 | 8.0 | 0.8 | 0.031 |
| 80 08 14 1500 | | | .3 | 1 | 21443 | 6 | | | | | 22.5 | 10.3 | 0.6 | 0.025 |
| 80 09 25 1520 | | | .3 | 1 | 21505 | 6 | | | | | 14.5 | 8.8 | 0.7 | 0.024 |
| 80 10 08 1645 | | | .3 | 1 | 21556 | 6 | 960C | 3100 | 40 | 20 | 11.2 | 9.4 | 0.6 | 0.027 |
| 80 11 19 1630 | | | .3 | 1 | 21631 | 6 | 940 | 2000 | 328 | 28 | 0.3 | 10.8 | 1.0 | 0.037 |
| 80 12 10 1550 | | | .3 | 1 | 21694 | 6 | | | | | 0.5 | 13.5 | 0.4 | 0.015 |
| **MAXIMUM** | | | | | | | **3800** | **21000** | **730** | **660** | **22.5** | **13.5** | **1.0** | **0.053** |
| **ARITH MEAN** | | | | | | | **1219** | **5012** | **178** | **109** | **11.9** | **10.1** | **0.7** | **0.027** |
| **GEOM MEAN** | | | | | | | **617** | **3202** | **46** | **32** | **5.4** | **9.9** | **0.6** | **0.025** |
| **MINIMUM** | | | | | | | **100** | **1100** | **4** | **4** | **0.0** | **8.0** | **0.2** | **0.013** |
| **STD DEV** | | | | | | | **1369** | **6572** | **259** | **224** | **9.6** | **1.8** | **0.2** | **0.011** |
| **NO OF SAMPLES** | | | | | | | **7** | **8** | **8** | **8** | **11** | **11** | **11** | **11** |

| | | | TEST-NAME: | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 22 1345 | | | .3 | 1 | 0.003 | 0.062 | 0.390 | 0.006 | 0.154 | 0.222 | 0.328 | 0.550 | 128.0 | 0.7 |
| 80 03 25 1600 | | | .3 | 1 | 0.023 | 0.146 | 0.640 | 0.012 | 0.368 | 0.526 | 0.494 | 1.020 | 138.0 | 8.0 |
| 80 04 24 1630 | | | .3 | 1 | 0.001 | 0.018 | 0.380 | 0.005 | 0.295 | 0.318 | 0.362 | 0.680 | 122.0 | 5.0 |
| 80 05 22 1455 | | | .3 | 1 | 0.002 | 0.096 | 0.560 | 0.008 | 0.137 | 0.241 | 0.464 | 0.705 | 143.0 | 3.0 |
| 80 06 25 1600 | | | .3 | 1 | 0.002 | 0.045 | 0.410 | 0.004 | 0.046 | 0.095 | 0.365 | 0.460 | 131.0 | 4.0 |
| 80 07 08 1630 | | | .3 | 1 | 0.004 | 0.126 | 0.62 | 0.007 | 0.048 | 0.181 | 0.494 | 0.675 | 141 | 4 |
| 80 08 14 1500 | | | .3 | 1 | 0.007 | 0.078 | 0.460 | 0.008 | 0.042 | 0.128 | 0.382 | 0.510 | 141.0 | 4.0 |
| 80 09 25 1520 | | | .3 | 1 | 0.006 | 0.082 | 0.46 | 0.007 | 0.043 | 0.132 | 0.378 | 0.510 | 133 | 3 |
| 80 10 08 1645 | | | .3 | 1 | 0.011 | 0.006 | 0.530 | 0.076 | 0.120 | 0.202 | 0.524 | 0.726 | 130.0 | 3.0 |
| 80 11 19 1630 | | | .3 | 1 | 0.029 | 0.050 | 0.450 | 0.003 | 0.062 | 0.115 | 0.400 | 0.515 | 128.0 | 1.0 |
| 80 12 10 1550 | | | .3 | 1 | 0.002 | 0.046 | 0.470 | 0.003 | 0.147 | 0.196 | 0.424 | 0.620 | 145.0 | 2.0 |
| **MAXIMUM** | | | | | **0.029** | **0.146** | **0.640** | **0.076** | **0.368** | **0.526** | **0.524** | **1.020** | **145.0** | **8.0** |
| **ARITH MEAN** | | | | | **0.008** | **0.069** | **0.48** | **0.013** | **0.133** | **0.214** | **0.420** | **0.634** | **134** | **3** |
| **GEOM MEAN** | | | | | **0.005** | **0.052** | **0.48** | **0.007** | **0.100** | **0.190** | **0.415** | **0.618** | **134** | **2** |
| **MINIMUM** | | | | | **0.001** | **0.006** | **0.380** | **0.003** | **0.042** | **0.095** | **0.328** | **0.460** | **122.0** | **0.7** |
| **STD DEV** | | | | | **0.009** | **0.043** | **0.08** | **0.021** | **0.109** | **0.122** | **0.065** | **0.158** | **7** | **2** |
| **NO OF SAMPLES** | | | | | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** |

| | | | TEST-NAME: | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 22 1345 | | | .3 | 1 | 127.000 | 195.0 | 0.90 | 5.100 | | 8.2 |
| 80 03 25 1600 | | | .3 | 1 | 130.000 | 200.0 | 17.50 | 6.250 | 7.63 | 7.5 |
| 80 04 24 1630 | | | .3 | 1 | 117.000 | 180.0 | | 4.900 | 7.97 | 8.3 |
| 80 05 22 1455 | | | .3 | 1 | 140.000 | 215.0 | | 6.800 | 7.89 | 7.9 |
| 80 06 25 1600 | | | .3 | 1 | 127.000 | 195.0 | | 5.450 | 8.15 | 8.1 |
| 80 07 08 1630 | | | .3 | 1 | 137 | 210 | | 6.35 | 8.09 | 8.3 |
| 80 08 14 1500 | | | .3 | 1 | 137.000 | 210.0 | | 6.050 | 8.01 | |
| 80 09 25 1520 | | | .3 | 1 | 130 | 200 | | 5.45 | 7.98 | 8.7 |
| 80 10 08 1645 | | | .3 | 1 | 127.000 | 195.0 | | 5.250 | 7.78 | 8.4 |
| 80 11 19 1630 | | | .3 | 1 | 127.000 | 195.0 | | 6.600 | 7.83 | 8.2 |
| 80 12 10 1550 | | | .3 | 1 | 143.000 | 220.0 | | 7.250 | 7.85 | 7.7 |
| **MAXIMUM** | | | | | **143.000** | **220.0** | **17.50** | **7.250** | **8.15** | **8.7** |
| **ARITH MEAN** | | | | | **131** | **201** | **9.20** | **5.95** | **7.92** | **8.1** |
| **GEOM MEAN** | | | | | **130** | **201** | **3.97** | **5.90** | **7.92** | **8.1** |
| **MINIMUM** | | | | | **117.000** | **180.0** | **0.90** | **4.900** | **7.63** | **7.5** |
| **STD DEV** | | | | | **7** | **11** | **11.74** | **0.78** | **0.15** | **0.3** |
| **NO OF SAMPLES** | | | | | **11** | **11** | **2** | **11** | **10** | **10** |

B.O.W./ SITE: **OTONABEE RIVER**
SAMPLE POINT: **HIGHWAY 7 PETERBOROUGH**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID **17-0021-011-83**
STORET CODE **02**
**004**
**1220**

LAT: LONG: U T M: **17 0714775.0 4907350.0 4** REGION: **03** DISTANCE: **142.423**

| | | | TEST-NAME: | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 22 1515 | | | .3 | 1 | 21013 | 6 | 13100C | 48000 | 40 | 40I | 0.5 | 10.7 | 0.2 | 0.018 |
| 80 03 25 1720 | | | .3 | 1 | 21113 | 6 | 2520C | 7600 | 860 | 520 | 1.0 | 13.5 | 0.6 | 0.051 |
| 80 04 24 1500 | | | .3 | 1 | 21184 | 6 3 | 900I | 900 | 100I | 20I | 8.5 | 10.5 | 1.0 | 0.019 |
| 80 05 22 1630 | | | .3 | 1 | 21256 | 6 | 330C | 3000 | 10< | 10 | 18.0 | 11.0 | 0.8 | 0.023 |
| 80 06 25 1730 | | | .3 | 1 | 21321 | 6 | 260C | 4300 | 48 | 32 | 27.4 | 9.1 | 0.6 | 0.021 |
| 80 07 08 1800 | | | .3 | 1 | 21384 | 6 8 | 480 | 2600 | 52 | 32 | 20.5 | 10.2 | 0.8 | 0.027 |
| 80 08 14 1755 | | | .3 | 1 | 21446 | 6 8 | | | | | 22.0 | 11.6 | 1.6 | 0.073 |
| 80 09 25 1730 | | | .3 | 1 | 21508 | | | | | | 14.2 | 8.8 | 0.5 | 0.029 |
| 80 10 08 1548 | | | .3 | 1 | 21559 | 6 | 580 | 4200 | 72 | 16 | 11.2 | 9.0 | 0.6 | 0.025 |
| 80 11 19 1720 | | | .3 | 1 | 21634 | 6 | 1560 | 3600 | 520 | 180 | 2.5 | 12.0 | 1.2 | 0.035 |
| 80 12 10 1640 | | | .3 | 1 | 21697 | 6 | | | | | 0.8 | 14.0 | 0.7 | 0.024 |
| | | | MAXIMUM | | | | 13100 | 48000 | 860 | 520 | 27.4 | 14.0 | 1.6 | 0.073 |
| | | | ARITH MEAN | | | | 2466 | 9275 | 213L | 106 | 11.5 | 10.9 | 0.8 | 0.031 |
| | | | GEOM MEAN | | | | 1013 | 4494 | 87L | 43 | 5.9 | 10.8 | 0.7 | 0.029 |
| | | | MINIMUM | | | | 260 | 900 | 10< | 10 | 0.5 | 8.8 | 0.2 | 0.018 |
| | | | STD DEV | | | | 4364 | 15763 | 309L | 176 | 9.6 | 1.7 | 0.4 | 0.017 |
| | | | NO OF SAMPLES | | | | 8 | 8 | 8 | 8 | 11 | 11 | 11 | 11 |

| | | | TEST-NAME: | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 22 1515 | | | .3 | 1 | 0.001 | 0.032 | 0.400 | 0.004 | 0.291 | 0.327 | 0.368 | 0.695 | 182.0 | 13.0 |
| 80 03 25 1720 | | | .3 | 1 | 0.007 | 0.090 | 0.550 | 0.008 | 0.292 | 0.390 | 0.460 | 0.850 | 141.0 | 14.0 |
| 80 04 24 1500 | | | .3 | 1 | 0.002 | 0.046 | 0.400 | 0.006 | 0.299 | 0.351 | 0.354 | 0.705 | 122.0 | 5.0 |
| 80 05 22 1630 | | | .3 | 1 | 0.001< | 0.004 | 0.430 | 0.004 | 0.446 | 0.454 | 0.426 | 0.880 | 134.0 | 4.0 |
| 80 06 25 1730 | | | .3 | 1 | 0.001 | 0.051 | 0.570 | 0.003 | 0.042 | 0.096 | 0.519 | 0.615 | 133.0 | 3.0 |
| 80 07 08 1800 | | | .3 | 1 | 0.003 | 0.130 | 0.59 | 0.005 | 0.020 | 0.155 | 0.460 | 0.615 | 135 | 2 |
| 80 08 14 1755 | | | .3 | 1 | 0.022 | 0.086 | 0.540 | 0.075 | 0.095 | 0.256 | 0.454 | 0.710 | 177.0 | 37.0 |
| 80 09 25 1730 | | | .3 | 1 | 0.006 | 0.034 | 0.39 | 0.001 | 0.005< | 0.040 | 0.356 | 0.396 | 132 | 5 |
| 80 10 08 1548 | | | .3 | 1 | 0.007 | 0.066 | 0.430 | 0.004 | 0.021 | 0.091 | 0.364 | 0.455 | 123.0 | 3.0 |
| 80 11 19 1720 | | | .3 | 1 | 0.004 | 0.140 | 0.620 | 0.008 | 0.107 | 0.255 | 0.480 | 0.735 | 124.0 | 4.0 |
| 80 12 10 1640 | | | .3 | 1 | 0.007 | 0.104 | 0.570 | 0.005 | 0.110 | 0.219 | 0.466 | 0.685 | 144.0 | 4.0 |
| | | | MAXIMUM | | 0.022 | 0.140 | 0.620 | 0.075 | 0.446 | 0.454 | 0.519 | 0.880 | 182.0 | 37.0 |
| | | | ARITH MEAN | | 0.006L | 0.071 | 0.49 | 0.011 | 0.157L | 0.239 | 0.428 | 0.667 | 140 | 8 |
| | | | GEOM MEAN | | 0.004L | 0.063 | 0.49 | 0.006 | 0.082L | 0.195 | 0.424 | 0.651 | 139 | 5 |
| | | | MINIMUM | | 0.001< | 0.004 | 0.39 | 0.001 | 0.005< | 0.040 | 0.354 | 0.396 | 122.0 | 2 |
| | | | STD DEV | | 0.006L | 0.043 | 0.08 | 0.021 | 0.149L | 0.134 | 0.058 | 0.145 | 20 | 10 |
| | | | NO OF SAMPLES | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| | | | TEST-NAME: | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 22 1515 | | | .3 | 1 | 169.000 | 270.0 | 12.500 | | 8.1 |
| 80 03 25 1720 | | | .3 | 1 | 127.000 | 195.0 | 5.300 | 7.71 | 7.6 |
| 80 04 24 1500 | | | .3 | 1 | 117.000 | 180.0 | 5.150 | 8.02 | 8.2 |
| 80 05 22 1630 | | | .3 | 1 | 130.000 | 200.0 | 5.850 | 7.95 | 8.2 |
| 80 06 25 1730 | | | .3 | 1 | 130.000 | 200.0 | 5.700 | 8.09 | 8.3 |
| 80 07 08 1800 | | | .3 | 1 | 133 | 205 | 6.00 | 8.19 | 8.3 |
| 80 08 14 1755 | | | .3 | 1 | 140.000 | 215.0 | 7.250 | 7.98 | |
| 80 09 25 1730 | | | .3 | 1 | 127 | 195 | 5.05 | 8.08 | 8.7 |
| 80 10 08 1548 | | | .3 | 1 | 120.000 | 185.0 | 5.300 | 7.77 | 8.3 |
| 80 11 19 1720 | | | .3 | 1 | 120.000 | 185.0 | 7.250 | 8.02 | 8.1 |
| 80 12 10 1640 | | | .3 | 1 | 140.000 | 215.0 | 11.000 | 7.98 | 7.9 |
| | | | MAXIMUM | | 169.000 | 270.0 | 12.500 | 8.19 | 8.7 |
| | | | ARITH MEAN | | 132 | 204 | 6.94 | 7.98 | 8.2 |
| | | | GEOM MEAN | | 131 | 202 | 6.81 | 7.98 | 8.2 |
| | | | MINIMUM | | 117.000 | 180.0 | 5.05 | 7.71 | 7.6 |
| | | | STD DEV | | 14 | 24 | 2.51 | 0.14 | 0.3 |
| | | | NO OF SAMPLES | | 11 | 11 | 11 | 10 | 10 |

B.O.W./ SITE: **OTONABEE RIVER**
SAMPLE POINT: **ROAD TO NASSAU MILLS**
STATION TYPE: **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ONTARIO**
TERM STREAM **TRENT RIVER**

STATION ID: **17-0021-013-02**
STORET CODE: **02**
**004**
**1220**

LAT LONG U T M: **17 0715650.0 4914400.0 4** REGION **03** DISTANCE **140.826**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 21 1030 | | | .3 | 1 | 21000 | 6 | 50I | 60 | 4 | 4< | 0.5 | 11.3 | 0.2 | 0.010 |
| 80 02 29 0800 | | | .3 | 1 | 21050 | 6 | 40 | 82 | 10 | 2< | 0.0 | 13.6 | 0.2 | 0.005 |
| 80 03 26 0800 | | | .3 | 1 | 21117 | 6 | 930 | 1900 | 20 | 36 | 1.2 | 13.7 | 0.2 | 0.015 |
| 80 04 24 1555 | | | .3 | 1 | 21188 | 6 3 | 40I | 460 | 4< | 4< | 8.0 | 11.2 | 0.4 | 0.017 |
| 80 05 22 1728 | | | .3 | 1 | 21259 | 6 | 120 | 1000 | 2 | 38 | 18.2 | 10.2 | 1.0 | 0.021 |
| 80 06 26 0830 | | | .3 | 1 | 21324 | 6 | | | | | 20.0 | 9.8 | 0.6 | 0.019 |
| 80 07 09 0900 | | | .3 | 1 | 21387 | 6 | 100C | 4200 | 12 | 184 | 19.0 | 7.9 | 0.6 | 0.020 |
| 80 08 15 0800 | | | .3 | 1 | 21449 | 6 | 148C | 5360 | 6 | 300> | 21.0 | 8.9 | 0.4 | 0.017 |
| 80 09 25 1800 | | | .3 | 1 | 21511 | 6 | | | | | 14.0 | 9.4 | 0.5 | 0.017 |
| 80 10 08 1448 | | | .3 | 1 | 21542 | 6 | 270C | 3300 | 16 | 50I | 12.0 | 9.5 | 0.8 | 0.024 |
| 80 11 25 1715 | | | .3 | 1 | 21638 | 6 | 110 | 330 | 40 | 4< | 2.0 | 9.5 | 0.2 | 0.400 |
| 80 12 11 0930 | | | .3 | 1 | 21700 | 6 | | | | | 0.0 | 13.0 | 0.5 | 0.012 |
| **MAXIMUM** | | | | | | | **930** | **5360** | **40** | **300>** | **21.0** | **13.7** | **1.0** | **0.400** |
| **ARITH MEAN** | | | | | | | **201** | **1855** | **13L** | **698** | **9.7** | **10.7** | **0.5** | **0.048** |
| **GEOM MEAN** | | | | | | | **116** | **779** | **9L** | **208** | **5.0** | **10.5** | **0.4** | **0.020** |
| **MINIMUM** | | | | | | | **40** | **60** | **2<** | **2<** | **0.0** | **7.9** | **0.2** | **0.005** |
| **STD DEV** | | | | | | | **283** | **1976** | **12L** | **1048** | **8.7** | **1.9** | **0.3** | **0.111** |
| **NO OF SAMPLES** | | | | | | | **9** | **9** | **9** | **9** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 21 1030 | | | .3 | 1 | 0.001 | 0.034 | 0.450 | 0.003 | 0.127 | 0.164 | 0.416 | 0.580 | 121.0 | 0.7 |
| 80 02 29 0800 | | | .3 | 1 | 0.001 | 0.034 | 0.360 | 0.005 | 0.160 | 0.199 | 0.326 | 0.525 | 127.0 | 0.1< |
| 80 03 26 0800 | | | .3 | 1 | 0.002 | 0.064 | 0.410 | 0.005 | 0.220 | 0.289 | 0.346 | 0.635 | 126.0 | 2.0 |
| 80 04 24 1555 | | | .3 | 1 | 0.001 | 0.010 | 0.360 | 0.005 | 0.290 | 0.305 | 0.350 | 0.655 | 117.0 | 3.0 |
| 80 05 22 1728 | | | .3 | 1 | 0.001 | 0.036 | 0.420 | 0.006 | 0.104 | 0.146 | 0.384 | 0.530 | 129.0 | 2.0 |
| 80 06 26 0830 | | | .3 | 1 | 0.003 | 0.036 | 0.370 | 0.003 | 0.022 | 0.061 | 0.334 | 0.395 | 127.0 | 3.0 |
| 80 07 09 0900 | | | .3 | 1 | 0.004 | 0.044 | 0.360 | 0.002 | 0.031 | 0.077 | 0.316 | 0.393 | 130.0 | 3.0 |
| 80 08 15 0800 | | | .3 | 1 | 0.004 | 0.022 | 0.36 | 0.002 | 0.018 | 0.042 | 0.338 | 0.380 | 130 | 3 |
| 80 09 25 1800 | | | .3 | 1 | 0.005 | 0.028 | 0.35 | 0.004 | 0.005< | 0.037 | 0.322 | 0.359 | 123 | 3 |
| 80 10 08 1448 | | | .3 | 1 | 0.009 | 0.080 | 0.510 | 0.002 | 0.018 | 0.100 | 0.430 | 0.530 | 120.0 | 3.0 |
| 80 11 25 1715 | | | .3 | 1 | | 0.046 | 0.138 | 0.002 | 0.055 | 0.103 | 0.092 | 0.195 | | |
| 80 12 11 0930 | | | .3 | 1 | 0.001< | 0.028 | 0.360 | 0.003 | 0.058 | 0.089 | 0.332 | 0.421 | 119.0 | 2.0 |
| **MAXIMUM** | | | | | **0.009** | **0.080** | **0.510** | **0.006** | **0.290** | **0.305** | **0.430** | **0.655** | **130.0** | **3.0** |
| **ARITH MEAN** | | | | | **0.003L** | **0.038** | **0.37** | **0.003** | **0.092L** | **0.134** | **0.332** | **0.466** | **124** | **2 L** |
| **GEOM MEAN** | | | | | **0.002L** | **0.034** | **0.35** | **0.003** | **0.053L** | **0.109** | **0.316** | **0.446** | **124** | **1 L** |
| **MINIMUM** | | | | | **0.001<** | **0.010** | **0.138** | **0.002** | **0.005<** | **0.037** | **0.092** | **0.195** | **117.0** | **0.1<** |
| **STD DEV** | | | | | **0.003L** | **0.019** | **0.08** | **0.001** | **0.091L** | **0.090** | **0.084** | **0.133** | **4** | **1 L** |
| **NO OF SAMPLES** | | | | | **11** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **11** | **11** |

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 21 1030 | | | .3 | 1 | 185.0 | 0.80 | 4.450 | | 7.6 |
| 80 02 29 0800 | | | .3 | 1 | 195.0 | 0.50 | 4.650 | 7.59 | 6.7 |
| 80 03 26 0800 | | | .3 | 1 | 190.0 | 1.00 | 4.500 | 7.61 | 7.6 |
| 80 04 24 1555 | | | .3 | 1 | 175.0 | | 4.650 | 8.00 | 8.2 |
| 80 05 22 1728 | | | .3 | 1 | 195.0 | 1.20 | 5.300 | 8.09 | 8.2 |
| 80 06 26 0830 | | | .3 | 1 | 190.0 | 1.50 | 5.000 | 7.93 | 8.3 |
| 80 07 09 0900 | | | .3 | 1 | 195.0 | 1.50 | 4.950 | 8.16 | 8.4 |
| 80 08 15 0800 | | | .3 | 1 | 195 | 1.4 | 4.90 | 7.85 | |
| 80 09 25 1800 | | | .3 | 1 | 185 | 1.1 | 4.60 | 8.11 | 8.7 |
| 80 10 08 1448 | | | .3 | 1 | 180.0 | 1.30 | 4.650 | 7.78 | 8.3 |
| 80 11 25 1715 | | | .3 | 1 | 175.0 | 0.80 | 4.650 | 7.98 | 7.8 |
| 80 12 11 0930 | | | .3 | 1 | 180.0 | 0.70 | 6.000 | 7.85 | 8.2 |
| **MAXIMUM** | | | | | **195.0** | **1.50** | **6.000** | **8.16** | **8.7** |
| **ARITH MEAN** | | | | | **186** | **1.0** | **4.86** | **7.90** | **8.0** |
| **GEOM MEAN** | | | | | **186** | **1.0** | **4.84** | **7.90** | **8.0** |
| **MINIMUM** | | | | | **175.0** | **0.50** | **4.450** | **7.59** | **6.7** |
| **STD DEV** | | | | | **7** | **0.3** | **0.43** | **0.19** | **0.5** |
| **NO OF SAMPLES** | | | | | **12** | **11** | **12** | **11** | **11** |

B.O.W./ SITE: **CLEAR LAKE OUTLET**
SAMPLE POINT: **HIGHWAY 28 YOUNGS POINT**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-016-02**

STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **17 0720025.0 4829525.0 4** REGION: **03** DISTANCE: **171.561**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 21 1120 | | | .3 | 1 | 21002 | 6 | 10< | 10 | 4< | 4< | 0.0 | 11.2 | 0.008 | 0.026 |
| 80 02 29 0930 | | | .3 | 1 | 21052 | 6 | 4< | 24 | 2< | 2< | 0.0 | 10.8 | 0.005 | 0.038 |
| 80 03 26 0930 | | | .3 | 1 | 21119 | 6 | 20I | 20 | 4< | 4 | 1.2 | 12.3 | 0.009 | 0.056 |
| 80 04 24 1630 | | | .3 | 1 | 21190 | 6 3 | 4 | 16 | 2< | 2< | 8.0 | 10.2 | 0.021 | 0.008 |
| 80 05 22 1805 | | | .3 | 1 | 21261 | 6 | 36 | 160 | 2< | 2 | 19.0 | 11.5 | 0.013 | 0.024 |
| 80 06 26 1000 | | | .3 | 1 | 21326 | 6 | | | | | 18.5 | 9.4 | 0.018 | 0.034 |
| 80 07 09 1030 | | | .3 | 1 | 21389 | 6 | 150000> | 150000 | 2 | 300> | 19.2 | 8.3 | 0.018 | 0.060 |
| 80 08 15 0850 | | | 3 | 1 | 21451 | 6 | 68C | 1440 | 2 | 300> | 21.0 | 8.3 | 0.006 | 0.032 |
| 80 09 25 1835 | | | .3 | 1 | 21513 | 6 | | | | | 14.5 | 9.3 | 0.018 | 0.046 |
| 80 10 08 1350 | | | .3 | 1 | 21544 | 6 | 160 | 1300 | 12 | 20I | 11.5 | 8.4 | 0.015 | 0.062 |
| 80 11 25 1620 | | | .3 | 1 | 21640 | 6 | 10< | 10 | 4< | 4< | 1.5 | 9.8 | 0.390 | 0.013 |
| 80 12 11 1015 | | | .3 | 1 | 21702 | 6 | | | | | 0.5 | 12.6 | 0.013 | 0.026 |
| MAXIMUM | | | | | | | 150000> | 150000 | 12 | 300> | 21.0 | 12.6 | 0.390 | 0.082 |
| ARITH MEAN | | | | | | | 167018 | 16998 | 4L | 718 | 9.6 | 10.2 | 0.044 | 0.036 |
| GEOM MEAN | | | | | | | 608 | 146 | 3L | 108 | 4.9 | 10.1 | 0.018 | 0.031 |
| MINIMUM | | | | | | | 4< | 10 | 2< | 2< | 0.0 | 8.3 | 0.005 | 0.008 |
| STD DEV | | | | | | | 499678 | 49679 | 3L | 1308 | 8.7 | 1.5 | 0.109 | 0.018 |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 12 | 12 | 12 | 12 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NNTKUR | NNKUR | COND25 | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | K'DAHL N TOTAL FIL.TOT. MG/L AS N | KJELDAHL ORGANIC UNF.REAC MG/L | CONDUCT. 25C UMHO/CM AT 25 C | PH | PH FIELD |
| 80 01 21 1120 | | | .3 | 1 | 0.340 | 0.314 | 180.0 | | 7.9 |
| 80 02 29 0930 | | | .3 | 1 | 0.430 | 0.392 | 185.0 | 7.60 | 7.0 |
| 80 03 26 0930 | | | .3 | 1 | 0.380 | 0.324 | 190.0 | 7.49 | 7.5 |
| 80 04 24 1630 | | | .3 | 1 | 0.360 | 0.352 | 170.0 | 7.91 | 8.0 |
| 80 05 22 1805 | | | .3 | 1 | 0.360 | 0.336 | 185.0 | 8.08 | 8.1 |
| 80 06 26 1000 | | | .3 | 1 | 0.390 | 0.356 | 190.0 | 7.95 | 8.2 |
| 80 07 09 1030 | | | .3 | 1 | 0.350 | 0.290 | 190.0 | 8.18 | 8.4 |
| 80 08 15 0850 | | | .3 | 1 | 0.35 | 0.318 | 190 | 7.83 | |
| 80 09 25 1835 | | | .3 | 1 | 0.39 | 0.344 | 185 | 7.95 | 8.7 |
| 80 10 08 1350 | | | .3 | 1 | 0.400 | 0.338 | 175.0 | 7.89 | 8.2 |
| 80 11 25 1620 | | | .3 | 1 | 0.013 | 0.000 | 170.0 | 7.96 | 7.7 |
| 80 12 11 1015 | | | .3 | 1 | 0.360 | 0.334 | 170.0 | 7.85 | 8.0 |
| MAXIMUM | | | | | 0.430 | 0.392 | 190.0 | 8.18 | 8.7 |
| ARITH MEAN | | | | | 0.34 | 0.308 | 181 | 7.88 | 8.0 |
| GEOM MEAN | | | | | 0.28 | 0.387 | 181 | 7.88 | 8.0 |
| MINIMUM | | | | | 0.013 | 0.000 | 170.0 | 7.49 | 7.0 |
| STD DEV | | | | | 0.10 | 0.100 | 8 | 0.20 | 0.5 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 11 | 11 |

B.O.W / SITE: **LOVESICK LAKE OUTLET**
SAMPLE POINT: **AT HIGHWAY 28 BURLEIGH FALLS**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-017-02**

STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **15 0721700.0 4937525.0 4** REGION: **03** DISTANCE: **185.713**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 21 1140 | | | .3 | 1 | 21003 | 6 | 10< | 10 | 4< | 4< | 0.0 | 12.2 | 0.014 | 0.024 |
| 80 02 29 0945 | | | .3 | 1 | 21053 | 6 | 8 | 24 | 2< | 2< | 0.0 | 10.6 | 0.007 | 0.052 |
| 80 03 26 0945 | | | .3 | 1 | 21120 | 6 | 150 | 1100 | 4< | 12 | 1.0 | 12.4 | 0.013 | 0.096 |
| 80 04 24 1650 | | | .3 | 1 | 21191 | 6 3 | 40I | 40 | 2< | 4 | 8.5 | 9.5 | 0.015 | 0.016 |
| 80 05 22 1830 | | | .3 | 1 | 21262 | 6 | 100 | 440 | 2 | 60 | 17.0 | 9.8 | 0.025 | 0.012 |
| 80 06 26 1020 | | | .3 | 1 | 21327 | 6 | | | | | 21.0 | 9.2 | 0.026 | 0.046 |
| 80 07 09 1050 | | | .3 | 1 | 21390 | 6 | 84000 | 10000 | 4< | 72 | 20.0 | 8.7 | 0.020 | 0.032 |
| 80 08 15 0915 | | | .3 | 1 | 21452 | 6 | 84C | 2880 | 2 | 88 | 21.0 | 8.7 | 0.013 | 0.018 |
| 80 09 25 1850 | | | .3 | 1 | 21514 | 6 | | | | | 14.0 | 9.6 | 0.018 | 0.064 |
| 80 10 08 1330 | | | .3 | 1 | 21545 | 6 | 50I | 310 | 4 | 4< | 11.0 | 8.6 | 0.017 | 0.064 |
| 80 11 25 1600 | | | .3 | 1 | 21641 | 6 | 10I | 10 | 4< | 4< | 1.5 | 10.3 | 0.016 | 0.026 |
| 80 12 11 1035 | | | .3 | 1 | 21703 | 6 | | | | | 0.0 | 12.4 | 0.011 | 0.024 |
| MAXIMUM | | | | | | | 84000 | 10000 | 4 | 88 | 21.0 | 12.4 | 0.026 | 0.096 |
| ARITH MEAN | | | | | | | 9384L | 1646 | 3L | 28L | 9.6 | 10.2 | 0.016 | 0.039 |
| GEOM MEAN | | | | | | | 82L | 196 | 3L | 11L | 5.1 | 10.1 | 0.015 | 0.033 |
| MINIMUM | | | | | | | 8< | 10 | 2< | 2< | 0.0 | 8.6 | 0.007 | 0.012 |
| STD DEV | | | | | | | 27961L | 3268 | 1L | 35L | 8.8 | 1.4 | 0.006 | 0.026 |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 12 | 12 | 12 | 12 |

(CONTD)

B.O.W./ SITE: **LOVESICK LAKE OUTLET**
SAMPLE POINT: **AT HIGHWAY 28 BURLEIGH FALLS**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-017-02**
STORET CODE: **02**
**004**
**1220**

LAT. LONG. U T M: **15 0721700.0 4937525.0 4** REGION: **03** DISTANCE: **185.713**

| TEST-NAME: | | | | | NNTKUR | NNKUR | COND25 | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | KJELDAHL ORGANIC UNF.REAC MG/L | CONDUCT. 25C UMHO/CM AT 25 C | PH | PH FIELD |
| 80 01 21 1140 | | | .3 | 1 | 0.370 | 0.346 | 180.0 | | 7.9 |
| 80 02 29 0945 | | | .3 | 1 | 0.370 | 0.318 | 190.0 | 7.51 | 6.9 |
| 80 03 26 0945 | | | .3 | 1 | 0.420 | 0.324 | 165.0 | 7.42 | 7.4 |
| 80 04 24 1650 | | | .3 | 1 | 0.350 | 0.334 | 185.0 | 7.95 | 8.0 |
| 80 05 22 1830 | | | .3 | 1 | 0.450 | 0.438 | 195.0 | 8.17 | 8.1 |
| 80 06 26 1020 | | | .3 | 1 | 0.440 | 0.394 | 195.0 | 8.07 | 8.3 |
| 80 07 09 1050 | | | .3 | 1 | 0.420 | 0.388 | 195.0 | 8.26 | 8.4 |
| 80 08 15 0915 | | | .3 | 1 | 0.38 | 0.362 | 180 | 8.19 | |
| 80 09 25 1850 | | | .3 | 1 | 0.44 | 0.376 | 165 | 7.87 | 8.8 |
| 80 10 08 1330 | | | .3 | 1 | 0.460 | 0.396 | 165.0 | 7.77 | 8.1 |
| 80 11 25 1600 | | | .3 | 1 | 0.440 | 0.414 | 175.0 | 7.97 | 7.5 |
| 80 12 11 1035 | | | .3 | 1 | 0.340 | 0.316 | 175.0 | 7.85 | 8.0 |
| **MAXIMUM** | | | | | **0.460** | **0.438** | **195.0** | **8.26** | **8.8** |
| **ARITH MEAN** | | | | | **0.40** | **0.387** | **180** | **7.91** | **7.9** |
| **GEOM MEAN** | | | | | **0.40** | **0.385** | **180** | **7.91** | **7.9** |
| **MINIMUM** | | | | | **0.340** | **0.316** | **165.0** | **7.42** | **6.9** |
| **STD DEV** | | | | | **0.04** | **0.040** | **11** | **0.27** | **0.5** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **11** | **11** |

B.O.W./ SITE: **BUCKHORN LAKE OUTLET**
SAMPLE POINT: **HIGHWAY 507 BUCKHORN**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-018-02**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **17 0710850.0 4936725.0 4** REGION: **03** DISTANCE: **197.822**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 21 1200 | | | .3 | 1 | 21005 | 6 | 10< | 10 | 4< | 4< | 0.0 | 11.2 | 0.015 | 0.046 |
| 80 02 29 1025 | | | .3 | 1 | 21055 | 6 | 8 | 8 | 2< | 2 | 0.0 | 11.4 | 0.007 | 0.062 |
| 80 03 26 1020 | | | .3 | 1 | 21122 | 6 | 90I | 160 | 4< | 20 | 1.0 | 11.5 | 0.011 | 0.068 |
| 80 04 24 1725 | | | .3 | 1 | 21193 | 6 | 16 | 20 | 2< | 2< | 9.0 | 10.4 | 0.017 | 0.046 |
| 80 05 22 1900 | | | .3 | 1 | 21264 | 6 | 40 | 128 | 4 | 2< | 18.4 | 11.1 | 0.029 | 0.006 |
| 80 06 26 1100 | | | .3 | 1 | 21329 | 6 | | | | | 21.5 | 9.0 | 0.017 | 0.048 |
| 80 07 09 1120 | | | .3 | 1 | 21392 | 6 | 95000 | 30000 | 2< | 300> | 19.0 | 9.2 | 0.018 | 0.024 |
| 80 08 15 0940 | | | .3 | 1 | 21454 | 6 | 24 | 620 | 2< | 12 | 21.0 | 9.4 | 0.025 | 0.014 |
| 80 09 25 1930 | | | .3 | 1 | 21516 | 6 | | | | | 13.5 | 9.2 | 0.016 | 0.066 |
| 80 10 08 1300 | | | .3 | 1 | 21547 | 6 | 28 | 560 | 4 | 2 | 9.8 | 9.0 | 0.030 | 0.092 |
| 80 11 25 1515 | | | .3 | 1 | 21643 | 6 | | | | | 2.5 | 10.2 | 0.020 | 0.040 |
| 80 12 11 1115 | | | .3 | 1 | 21705 | 6 | | | | | 0.0 | 12.5 | 0.011 | 0.022 |
| **MAXIMUM** | | | | | | | **95000** | **30000** | **4** | **300>** | **21.5** | **12.5** | **0.030** | **0.092** |
| **ARITH MEAN** | | | | | | | **11902L** | **3938** | **3L** | **438** | **9.6** | **10.3** | **0.018** | **0.044** |
| **GEOM MEAN** | | | | | | | **64L** | **166** | **3L** | **78** | **5.3** | **10.3** | **0.017** | **0.036** |
| **MINIMUM** | | | | | | | **8<** | **8** | **2<** | **2<** | **0.0** | **9.0** | **0.007** | **0.006** |
| **STD DEV** | | | | | | | **33577L** | **10633** | **1L** | **1048** | **8.8** | **1.2** | **0.007** | **0.025** |
| **NO OF SAMPLES** | | | | | | | **8** | **8** | **8** | **8** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | NNTKUR | NNKUR | COND25 | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | KJELDAHL ORGANIC UNF.REAC MG/L | CONDUCT. 25C UMHO/CM AT 25 C | PH | PH FIELD |
| 80 01 21 1200 | | | .3 | 1 | 0.410 | 0.364 | 185.0 | | 8.0 |
| 80 02 29 1025 | | | .3 | 1 | 0.380 | 0.318 | 190.0 | 7.36 | 6.8 |
| 80 03 26 1020 | | | .3 | 1 | 0.360 | 0.292 | 180.0 | 7.41 | 7.4 |
| 80 04 24 1725 | | | .3 | 1 | 0.380 | 0.334 | 205.0 | 7.97 | 8.0 |
| 80 05 22 1900 | | | .3 | 1 | 0.540 | 0.534 | 200.0 | 8.24 | 8.4 |
| 80 06 26 1100 | | | .3 | 1 | 0.440 | 0.392 | 200.0 | 8.39 | 8.3 |
| 80 07 09 1120 | | | .3 | 1 | 0.360 | 0.336 | 200.0 | 8.27 | 8.5 |
| 80 08 15 0940 | | | .3 | 1 | 0.40 | 0.386 | 175 | 8.43 | |
| 80 09 25 1930 | | | .3 | 1 | 0.44 | 0.374 | 180 | 8.09 | 9.0 |
| 80 10 08 1300 | | | .3 | 1 | 0.450 | 0.358 | 155.0 | 7.85 | 8.6 |
| 80 11 25 1515 | | | .3 | 1 | 0.360 | 0.320 | 165.0 | 7.97 | 7.9 |
| 80 12 11 1115 | | | .3 | 1 | 0.360 | 0.338 | 185.0 | 7.93 | 7.6 |
| **MAXIMUM** | | | | | **0.540** | **0.534** | **205.0** | **8.43** | **9.0** |
| **ARITH MEAN** | | | | | **0.40** | **0.362** | **185** | **7.99** | **8.0** |
| **GEOM MEAN** | | | | | **0.40** | **0.358** | **184** | **7.98** | **8.0** |
| **MINIMUM** | | | | | **0.360** | **0.292** | **155.0** | **7.36** | **6.8** |
| **STD DEV** | | | | | **0.05** | **0.062** | **15** | **0.36** | **0.6** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **11** | **11** |

| | | | |
|---|---|---|---|
| B.O.W./SITE: **STURGEON LAKE OUTLET** | | STATION ID: **17-0021-021-02** | |
| SAMPLE POINT: **HIGHWAY 36 BOBCAYGEON** | MAJOR BASIN: **GREAT LAKES** | STORET CODE: **02**<br>**004**<br>**1229** | |
| STATION TYPE: **RIVER** | MINOR BASIN: **LAKE ONTARIO** | | |
| | TERM STREAM: **TRENT RIVER** | | |
| LAT: | LONG: | U T M: **17 0694800.0 4934400.0 4** | REGION: **03** DISTANCE: **222.083** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 21 1215 | | | .3 | 1 | 21006 | 6 | 90I | 80 | 20 | 4 | 0.0 | 10.9 | 0.2 | 0.016 |
| 80 02 29 1050 | | | .3 | 1 | 21056 | 6 | 24 | 68 | 2< | 2< | 0.0 | 12.8 | 0.2 | 0.007 |
| 80 03 26 1100 | | | .3 | 1 | 21123 | 6 | 300I | 9000 | 32 | 68 | 2.5 | 11.1 | 0.2 | 0.028 |
| 80 04 25 0700 | | | .3 | 1 | 21194 | 6 | 300 | 540 | 4< | 4< | 7.5 | 10.0 | 1.2 | 0.017 |
| 80 05 22 1925 | | | .3 | 1 | 21265 | 6 | 20I | 180 | 4< | 4< | 17.5 | 8.9 | 0.8 | 0.031 |
| 80 06 26 1130 | | | .3 | 1 | 21330 | 6 | | | | | 21.9 | 10.4 | 0.6 | 0.012 |
| 80 07 09 1145 | | | .3 | 1 | 21393 | 6 | 170 | 830 | 4< | 4 | 20.0 | 9.0 | 0.8 | 0.012 |
| 80 08 15 1010 | | | .3 | 1 | 21455 | 6 | 36C | 2400 | 2< | 14 | 20.5 | 9.6 | 0.8 | 0.015 |
| 80 09 26 1100 | | | .3 | 1 | 21517 | 6 | 116C | 1760 | 10 | 22 | 12.0 | 8.3 | 1.0 | 0.018 |
| 80 10 08 1230 | | | .3 | 1 | 21548 | 6 | 28 | 520 | 2< | 12 | 11.0 | 8.3 | 0.6 | 0.021 |
| 80 11 25 1445 | | | .3 | 1 | 21644 | 6 | 4< | 24 | 2 | 2< | 2.0 | 10.3 | 0.6 | 0.013 |
| 80 12 11 1145 | | | .3 | 1 | 21706 | 6 | | | | | 0.0 | 12.6 | 0.2< | 0.200 |
| MAXIMUM | | | | | | | 300 | 9000 | 32 | 68 | 21.9 | 12.8 | 1.2 | 0.200 |
| ARITH MEAN | | | | | | | 106L | 1540 | 8L | 14L | 9.6 | 10.2 | 0.6L | 0.032 |
| GEOM MEAN | | | | | | | 56L | 428 | 5L | 7L | 5.5 | 10.1 | 0.5L | 0.020 |
| MINIMUM | | | | | | | 4< | 24 | 2< | 2< | 0.0 | 8.3 | 0.2< | 0.007 |
| STD DEV | | | | | | | 113L | 2737 | 10L | 20L | 8.7 | 1.5 | 0.3L | 0.053 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 21 1215 | | | .3 | 1 | 0.001 | 0.042 | 0.330 | 0.006 | 0.179 | 0.227 | 0.288 | 0.515 | 109.0 | 5.0 |
| 80 02 29 1050 | | | .3 | 1 | 0.012 | 0.050 | 0.330 | 0.004 | 0.171 | 0.225 | 0.280 | 0.505 | 92.0 | 0.1< |
| 80 03 26 1100 | | | .3 | 1 | 0.013 | 0.096 | 0.460 | 0.011 | 0.419 | 0.526 | 0.364 | 0.890 | 118.0 | 1.0 |
| 80 04 25 0700 | | | .3 | 1 | 0.001< | 0.036 | 0.350 | 0.005 | 0.270 | 0.311 | 0.314 | 0.625 | 127.0 | 3.0 |
| 80 05 22 1925 | | | .3 | 1 | 0.001< | 0.046 | 0.510 | 0.004 | 0.086 | 0.136 | 0.464 | 0.600 | 135.0 | 2.0 |
| 80 06 26 1130 | | | .3 | 1 | 0.001 | 0.032 | 0.340 | 0.002 | 0.013 | 0.047 | 0.308 | 0.355 | 116.0 | 2.0 |
| 80 07 09 1145 | | | .3 | 1 | 0.001 | 0.040 | 0.320 | 0.002 | 0.017 | 0.059 | 0.280 | 0.339 | 114.0 | 3.0 |
| 80 08 15 1010 | | | .3 | 1 | 0.003 | 0.026 | 0.41 | 0.001 | 0.004 | 0.031 | 0.384 | 0.415 | 109 | 2 |
| 80 09 26 1100 | | | .3 | 1 | 0.001< | 0.062 | 0.48 | 0.001 | 0.009 | 0.072 | 0.418 | 0.490 | 110 | 3 |
| 80 10 08 1230 | | | .3 | 1 | 0.008 | 0.048 | 0.430 | 0.001 | 0.005< | 0.054 | 0.382 | 0.436 | 105.0 | 4.0 |
| 80 11 25 1445 | | | .3 | 1 | 0.002 | 0.036 | 0.380 | 0.002 | 0.030 | 0.068 | 0.344 | 0.412 | 119.0 | 2.0 |
| 80 12 11 1145 | | | .3 | 1 | 0.140 | 0.046 | 0.380 | 0.003 | 0.132 | 0.181 | 0.334 | 0.515 | 117.0 | 4.0 |
| MAXIMUM | | | | | 0.140 | 0.096 | 0.510 | 0.011 | 0.419 | 0.526 | 0.464 | 0.890 | 135.0 | 5.0 |
| ARITH MEAN | | | | | 0.015L | 0.047 | 0.39 | 0.003 | 0.111L | 0.161 | 0.347 | 0.508 | 114 | 2 L |
| GEOM MEAN | | | | | 0.003L | 0.044 | 0.38 | 0.003 | 0.044L | 0.114 | 0.342 | 0.491 | 113 | 2 L |
| MINIMUM | | | | | 0.001< | 0.026 | 0.320 | 0.001 | 0.004< | 0.031 | 0.280 | 0.339 | 92.0 | 0.1< |
| STD DEV | | | | | 0.040L | 0.018 | 0.06 | 0.003 | 0.131L | 0.148 | 0.058 | 0.149 | 10 | 1 L |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 21 1215 | | | .3 | 1 | 104.000 | 160.0 | 4.000 | | 7.9 |
| 80 02 29 1050 | | | .3 | 1 | 92.000 | 142.0 | 3.800 | 7.56 | 6.9 |
| 80 03 26 1100 | | | .3 | 1 | 117.000 | 195.0 | 6.350 | 7.43 | 7.4 |
| 80 04 25 0700 | | | .3 | 1 | 40.000 | 190.0 | 6.100 | 7.91 | 7.9 |
| 80 05 22 1925 | | | .3 | 1 | 133.000 | 205.0 | 6.100 | 8.14 | 7.9 |
| 80 06 26 1130 | | | .3 | 1 | 114.000 | 175.0 | 4.400 | 7.97 | 8.2 |
| 80 07 09 1145 | | | .3 | 1 | 111.000 | 170.0 | 4.450 | 8.20 | 8.4 |
| 80 08 15 1010 | | | .3 | 1 | 107 | 165 | 4.65 | 8.02 | |
| 80 09 26 1100 | | | .3 | 1 | 107 | 165 | 4.75 | 7.80 | 8.8 |
| 80 10 08 1230 | | | .3 | 1 | 101.000 | 155.0 | 4.400 | 7.92 | 8.5 |
| 80 11 25 1445 | | | .3 | 1 | 117.000 | 180.0 | 5.550 | 7.95 | 7.6 |
| 80 12 11 1145 | | | .3 | 1 | 117.000 | 180.0 | 6.400 | 7.92 | 7.6 |
| MAXIMUM | | | | | 133.000 | 205.0 | 6.400 | 8.20 | 8.8 |
| ARITH MEAN | | | | | 105 | 173 | 5.07 | 7.89 | 7.9 |
| GEOM MEAN | | | | | 101 | 172 | 4.99 | 7.89 | 7.9 |
| MINIMUM | | | | | 40.000 | 142.0 | 3.800 | 7.43 | 6.9 |
| STD DEV | | | | | 22 | 17 | 0.95 | 0.23 | 0.6 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 11 | 11 |

B.O.W./ SITE: **CAMERON LAKE OUTLET**
SAMPLE POINT: **HIGHWAY 35 FENELON FALLS**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-023-02**
STORET CODE: **02**
**004**
**1220**

LAT:
LONG:
U T M: **17 0679725.0 4933625.0 4**
REGION: **03**
DISTANCE: **240.442**

| | | | TEST-NAME: | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 23 1430 | | | .3 | 1 | 21019 | 6 | 10I | 70 | 4< | 4< | 0.0 | 10.4 | 0.2 | 0.006 |
| 80 02 29 1130 | | | .3 | 1 | 21057 | 6 | 8 | 16 | 4< | 2< | 0.0 | 12.4 | 0.6 | 0.018 |
| 80 03 26 1345 | | | .3 | 1 | 21128 | 6 | 2700C | 40000 | 24 | 144 | 1.2 | 12.5 | 0.2 | 0.023 |
| 80 04 25 0930 | | | .3 | 1 | 21199 | 6 | 24 | 56 | 4< | 4< | 7.0 | 9.8 | 0.6 | 0.009 |
| 80 05 23 1320 | | | .3 | 1 | 21271 | 6 | 4 | 112 | 2< | 2< | 18.4 | 10.6 | 0.6 | 0.012 |
| 80 06 26 1445 | | | .3 | 1 | 21335 | 6 | | | | | 21.5 | 9.8 | 0.8 | 0.015 |
| 80 07 09 1315 | | | .3 | 1 | 21398 | 6 | 40C | 2000 | 4 | 2 | 19.2 | 9.8 | 0.8 | 0.013 |
| 80 08 15 1230 | | | .3 | 1 | 21460 | 6 | 376C | 3120 | 52 | 448 | 20.0 | 9.6 | 0.6 | 0.005 |
| 80 09 26 1255 | | | .3 | 1 | 21522 | 6 | 190C | 4600 | 60 | 100 | 11.5 | 8.3 | 0.7 | 0.023 |
| 80 10 08 | | | .3 | 1 | 21553 | 8 | 140 | 2700 | 4< | 10< | | | 0.4 | 0.020 |
| 80 11 25 1325 | | | .3 | 1 | 21649 | 6 | 30I | 70 | 4< | 4< | 2.0 | 11.2 | 0.8 | 0.007 |
| 80 12 11 1420 | | | .3 | 1 | 21711 | 6 | | | | | 0.0 | 14.0 | 0.2< | 0.007 |
| MAXIMUM | | | | | | | 2700 | 40000 | 60 | 448 | 21.5 | 14.0 | 0.8 | 0.023 |
| ARITH MEAN | | | | | | | 352 | 5274 | 16L | 72L | 9.2 | 10.8 | 0.5L | 0.013 |
| GEOM MEAN | | | | | | | 55 | 523 | 8L | 11L | 4.8 | 10.7 | 0.5L | 0.012 |
| MINIMUM | | | | | | | 4 | 16 | 2< | 2< | 0.0 | 8.3 | 0.2< | 0.005 |
| STD DEV | | | | | | | 833 | 12311 | 22L | 141L | 9.1 | 1.6 | 0.2L | 0.007 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 10 | 11 | 11 | 12 | 12 |

| | | | TEST-NAME: | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 23 1430 | | | .3 | 1 | 0.001 | 0.106 | 0.350 | 0.007 | 0.188 | 0.301 | 0.244 | 0.545 | 118.0 | 0.7 |
| 80 02 29 1130 | | | .3 | 1 | 0.016 | 0.046 | 0.290 | 0.003 | 0.132 | 0.181 | 0.244 | 0.425 | 83.0 | 0.1< |
| 80 03 26 1345 | | | .3 | 1 | 0.001 | 0.154 | 0.460 | 0.008 | 0.332 | 0.494 | 0.306 | 0.800 | 73.0 | 3.0 |
| 80 04 25 0930 | | | .3 | 1 | 0.004 | 0.042 | 0.250 | 0.003 | 0.142 | 0.187 | 0.208 | 0.395 | 76.0 | 3.0 |
| 80 05 23 1320 | | | .3 | 1 | 0.001< | 0.030 | 0.420 | 0.003 | 0.057 | 0.090 | 0.390 | 0.480 | 86.0 | 1.0 |
| 80 06 26 1445 | | | .3 | 1 | 0.001< | 0.026 | 0.310 | 0.002 | 0.023 | 0.051 | 0.284 | 0.335 | 88.0 | 3.0 |
| 80 07 09 1315 | | | .3 | 1 | 0.003 | 0.018 | 0.270 | 0.001 | 0.009 | 0.028 | 0.252 | 0.280 | 87.0 | 2.0 |
| 80 08 15 1230 | | | .3 | 1 | 0.001 | 0.010 | 0.29 | 0.001 | 0.009 | 0.020 | 0.280 | 0.300 | 73 | 1 |
| 80 09 26 1255 | | | .3 | 1 | 0.001< | 0.032 | 0.29 | 0.001 | 0.019 | 0.052 | 0.258 | 0.310 | 81 | 8 |
| 80 10 08 | | | .3 | 1 | 0.013 | 0.036 | 0.270 | 0.001 | 0.014 | 0.051 | 0.234 | 0.285 | 71.0 | 0.5 |
| 80 11 25 1325 | | | .3 | 1 | 0.002 | 0.026 | 0.290 | 0.002 | 0.055 | 0.083 | 0.264 | 0.347 | 71.0 | 2.0 |
| 80 12 11 1420 | | | .3 | 1 | 0.001 | 0.030 | 0.340 | 0.003 | 0.082 | 0.115 | 0.310 | 0.425 | 74.0 | 2.0 |
| MAXIMUM | | | | | 0.016 | 0.154 | 0.460 | 0.008 | 0.332 | 0.494 | 0.390 | 0.800 | 118.0 | 8 |
| ARITH MEAN | | | | | 0.004L | 0.048 | 0.31 | 0.003 | 0.088 | 0.138 | 0.273 | 0.411 | 81 | 2 L |
| GEOM MEAN | | | | | 0.002L | 0.036 | 0.31 | 0.002 | 0.048 | 0.081 | 0.269 | 0.391 | 80 | 1 L |
| MINIMUM | | | | | 0.001< | 0.010 | 0.250 | 0.001 | 0.009 | 0.020 | 0.208 | 0.280 | 71.0 | 0.1< |
| STD DEV | | | | | 0.006L | 0.042 | 0.08 | 0.002 | 0.097 | 0.139 | 0.047 | 0.148 | 13 | 2 L |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| | | | TEST-NAME: | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 23 1430 | | | .3 | 1 | 117.000 | 180.0 | 0.70 | 4.350 | | 7.9 |
| 80 02 29 1130 | | | .3 | 1 | 83.000 | 128.0 | 0.80 | 3.100 | 7.42 | 6.9 |
| 80 03 26 1345 | | | .3 | 1 | 70.000 | 107.0 | | 3.450 | 7.30 | 7.6 |
| 80 04 25 0930 | | | .3 | 1 | 73.000 | 113.0 | | 2.650 | 7.72 | 8.0 |
| 80 05 23 1320 | | | .3 | 1 | 85.000 | 130.0 | | 3.050 | 7.89 | 8.1 |
| 80 06 26 1445 | | | .3 | 1 | 85 | 130 | | 3.00 | 8.01 | 8.3 |
| 80 07 09 1315 | | | .3 | 1 | 85.000 | 130.0 | | 2.950 | 8.23 | 8.4 |
| 80 08 15 1230 | | | .3 | 1 | 72 | 110 | | 2.65 | 7.82 | |
| 80 09 26 1255 | | | .3 | 1 | 73 | 112 | | 2.60 | 7.65 | 8.1 |
| 80 10 08 | | | .3 | 1 | 70.000 | 108.0 | | 2.550 | 7.51 | |
| 80 11 25 1325 | | | .3 | 1 | 69.000 | 106.0 | | 2.600 | 7.64 | 7.5 |
| 80 12 11 1420 | | | .3 | 1 | 72.000 | 112.0 | | 3.000 | 7.65 | 7.4 |
| MAXIMUM | | | | | 117.000 | 180.0 | 0.80 | 4.350 | 8.23 | 8.4 |
| ARITH MEAN | | | | | 79 | 122 | 0.75 | 2.99 | 7.71 | 7.8 |
| GEOM MEAN | | | | | 78 | 120 | 0.75 | 2.96 | 7.71 | 7.8 |
| MINIMUM | | | | | 69.000 | 106.0 | 0.70 | 2.550 | 7.30 | 6.9 |
| STD DEV | | | | | 13 | 20 | 0.07 | 0.50 | 0.27 | 0.5 |
| NO OF SAMPLES | | | | | 12 | 12 | 2 | 12 | 11 | 10 |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **GULL RIVER**
SAMPLE POINT: **HIGHWAY 35 COBOCONK**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-026-02**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **17 0674650.0 4947150.0 4** REGION: **03** DISTANCE: **267.027**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 02 29 1225 | | | .3 | 1 | 21059 | 6 | 10I | 20 | 4 | 4< | 0.0 | 12.6 | 0.2 | 0.010 |
| 80 03 26 1240 | | | .3 | 1 | 21126 | 6 | 120 | 700 | 4 | 4 | 1.5 | 12.8 | 0.2 | 0.007 |
| 80 04 25 0830 | | | .3 | 1 | 21197 | 6 | 10< | 100 | 4< | 4< | 7.0 | 10.5 | 0.4 | 0.007 |
| 80 05 23 1230 | | | .3 | 1 | 21269 | 6 | 124 | 380 | 2 | 4 | 16.5 | 10.3 | 0.6 | 0.016 |
| 80 06 26 1300 | | | .3 | 1 | 21333 | 6 | | | | | 19.5 | 10.0 | 0.4 | 0.009 |
| 80 07 09 1400 | | | .3 | 1 | 21396 | 6 | 200 | 2200 | 2 | 184 | 19.0 | 9.3 | 0.6 | 0.089 |
| 80 08 15 1130 | | | .3 | 1 | 21458 | 6 | 188C | 3280 | 4< | 408 | 20.4 | 9.7 | 0.2 | 0.002 |
| 80 09 26 1220 | | | .3 | 1 | 21520 | 6 | 50I | 1650 | 20 | 20I | 12.5 | 8.2 | 0.4 | 0.005 |
| 80 10 08 | | | .3 | 1 | 21551 | 8 | 90I | 190 | 4 | 10< | | | 0.2 | 0.011 |
| 80 11 25 1235 | | | .3 | 1 | 21647 | 6 | 50I | 70 | 4< | 4< | 0.5 | 10.7 | 0.6 | 0.008 |
| 80 12 11 1320 | | | .3 | 1. | 21709 | 6 | | | | | 1.5 | 13.4 | 0.2< | 0.010 |
| MAXIMUM | | | | | | | 200 | 3280 | 20 | 408 | 20.4 | 13.4 | 0.6 | 0.089 |
| ARITH MEAN | | | | | | | 94L | 954 | 5L | 71L | 9.8 | 10.7 | 0.4L | 0.018 |
| GEOM MEAN | | | | | | | 62L | 353 | 4L | 14L | 5.1 | 10.6 | 0.3L | 0.009 |
| MINIMUM | | | | | | | 10< | 20 | 2< | 4< | 0.0 | 8.2 | 0.2< | 0.002 |
| STD DEV | | | | | | | 70L | 1162 | 6L | 139L | 8.6 | 1.7 | 0.2L | 0.026 |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 10 | 10 | 11 | 11 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 02 29 1225 | | | .3 | 1 | 0.007 | 0.018 | 0.220 | 0.002 | 0.143 | 0.163 | 0.202 | 0.365 | 41.0 | 0.1< |
| 80 03 26 1240 | | | .3 | 1 | 0.001< | 0.042 | 0.220 | 0.004 | 0.196 | 0.242 | 0.178 | 0.420 | 56.0 | 1.0 |
| 80 04 25 0830 | | | .3 | 1 | 0.001< | 0.010 | 0.190 | 0.003 | 0.147 | 0.160 | 0.180 | 0.340 | 50.0 | 1.0 |
| 80 05 23 1230 | | | .3 | 1 | 0.001< | 0.008 | 0.350 | 0.003 | 0.052 | 0.063 | 0.342 | 0.405 | 55.0 | 3.0 |
| 80 06 26 1300 | | | .3 | 1 | 0.001 | 0.026 | 0.240 | | 0.028 | | 0.214 | | 51.0 | 2.0 |
| 80 07 09 1400 | | | .3 | 1 | 0.060 | 0.014 | 0.210 | 0.001 | 0.018 | 0.033 | 0.196 | 0.229 | 48.0 | 2.0 |
| 80 08 15 1130 | | | .3 | 1 | 0.001 | 0.016 | 0.24 | 0.001 | 0.034 | 0.051 | 0.224 | 0.275 | 43 | 1 |
| 80 09 26 1220 | | | .3 | 1 | 0.001 | 0.022 | 0.21 | 0.001 | 0.019 | 0.042 | 0.188 | 0.230 | 45 | 0.6 |
| 80 10 08 | | | .3 | 1 | 0.003 | 0.030 | 0.240 | 0.001 | 0.029 | 0.060 | 0.210 | 0.270 | 43.0 | 1.0 |
| 80 11 25 1235 | | | .3 | 1 | 0.002 | 0.010 | 0.220 | 0.001 | 0.140 | 0.151 | 0.210 | 0.361 | 49.0 | 2.0 |
| 80 12 11 1320 | | | .3 | 1 | 0.002 | 0.010 | 0.310 | 0.001 | 0.129 | 0.140 | 0.300 | 0.440 | 53.0 | 1.0 |
| MAXIMUM | | | | | 0.060 | 0.042 | 0.350 | 0.004 | 0.196 | 0.242 | 0.342 | 0.440 | 56.0 | 3.0 |
| ARITH MEAN | | | | | 0.007L | 0.019 | 0.24 | 0.002 | 0.085 | 0.110 | 0.222 | 0.333 | 48 | 1 L |
| GEOM MEAN | | | | | 0.002L | 0.016 | 0.23 | 0.002 | 0.060 | 0.090 | 0.218 | 0.325 | 48 | 1 L |
| MINIMUM | | | | | 0.001< | 0.008 | 0.190 | 0.001 | 0.018 | 0.033 | 0.178 | 0.229 | 41.0 | 0.1< |
| STD DEV | | | | | 0.018L | 0.011 | 0.04 | 0.001 | 0.066 | 0.070 | 0.062 | 0.078 | 5 | 0 L |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 11 |

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 02 29 1225 | | | .3 | 1 | 63.0 | 0.70 | 2.200 | 7.13 | 6.9 |
| 80 03 26 1240 | | | .3 | 1 | 84.0 | 0.85 | 2.400 | 7.28 | 7.6 |
| 80 04 25 0830 | | | .3 | 1 | 75.0 | 1.10 | 2.050 | 7.42 | 8.0 |
| 80 05 23 1230 | | | .3 | 1 | 80.0 | 1.10 | 2.200 | 7.63 | 8.3 |
| 80 06 26 1300 | | | .3 | 1 | 75.0 | 1.40 | 2.050 | 7.67 | 7.7 |
| 80 07 09 1400 | | | .3 | 1 | 70.0 | 0.95 | 2.000 | 7.76 | 8.0 |
| 80 08 15 1130 | | | .3 | 1 | 65 | 0.55 | 1.85 | 7.22 | |
| 80 09 26 1220 | | | .3 | 1 | 68 | 0.51 | 1.70 | 7.25 | 7.8 |
| 80 10 08 | | | .3 | 1 | 65.0 | 0.65 | 1.700 | 7.29 | |
| 80 11 25 1235 | | | .3 | 1 | 72.0 | 0.45 | 1.850 | 7.42 | 7.2 |
| 80 12 11 1320 | | | .3 | 1 | 80.0 | 0.55 | 2.150 | 7.45 | 7.0 |
| MAXIMUM | | | | | 84.0 | 1.40 | 2.400 | 7.76 | 8.3 |
| ARITH MEAN | | | | | 72 | 0.80 | 2.01 | 7.41 | 7.6 |
| GEOM MEAN | | | | | 72 | 0.75 | 2.00 | 7.41 | 7.6 |
| MINIMUM | | | | | 63.0 | 0.45 | 1.70 | 7.13 | 6.9 |
| STD DEV | | | | | 7 | 0.30 | 0.22 | 0.20 | 0.5 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 9 |

B.O.W./SITE: **GULL LAKE OUTLET**
SAMPLE POINT: **HIGHWAY 35 MOORE FALLS**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-032-02**
STORET CODE: **02**
**004**
**1220**

LAT
LONG:
U T M: **17 0673800.0 4963525.0 4**
REGION: **03**
DISTANCE: **289.036**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 22 1135 | | .3 | 1 | 20204 | 6 | 4 | 44 | 2< | 2 | 0.5 | 10.6 | 0.009 | 0.022 |
| 80 02 19 1045 | | .3 | 1 | 20211 | 6 | 4< | 4 | 2< | 2< | 1.0 | 12.0 | 0.002 | 0.018 |
| 80 04 01 1105 | | .3 | 1 | 20218 | 6 | 20 | 440 | 4< | 4 | 3.0 | 9.4 | 0.007 | 0.014 |
| 80 04 21 1150 | | .3 | 1 | 20225 | 6 | 4< | 52 | 2< | 2< | 4.5 | 10.6 | 0.007 | 0.020 |
| 80 05 13 1110 | | .3 | 1 | 20232 | 6 | 12 | 148 | 4 | 2< | 8.5 | 9.6 | 0.008 | 0.010 |
| 80 06 24 1055 | | .3 | 1 | 20239 | 6 | 20 | 12 | 2< | 2< | 17.5 | 9.2 | 0.007 | 0.014 |
| 80 07 23 1025 | | .3 | 1 | 20246 | 6 | | | | | 23.0 | 7.4 | 0.010 | 0.017 |
| 80 08 19 1035 | | .3 | 1 | 20253 | 6 | 20I | 1200 | 4< | 8 | 22.0 | 8.0 | 0.006 | 0.017 |
| 80 09 15 1045 | | .3 | 1 | 20260 | 6 8 | 10< | 120 | 4 | 4< | 18.0 | 8.2 | 0.006 | 0.024 |
| 80 10 22 1130 | | .3 | 1 | 20267 | 6 | 10I | 120 | 12 | 8 | 8.0 | 9.6 | 0.010 | 0.014 |
| 80 11 26 1145 | | .3 | 1 | 20274 | 6 | 8 | 68 | 4< | 4< | 4.0 | 11.4 | 0.007 | 0.016 |
| 80 12 16 1150 | | .3 | 1 | 20281 | 6 | 4 | 52 | 2< | 2< | 1.5 | 11.4 | 0.155 | 0.010 |
| MAXIMUM | | | | | | 20 | 1200 | 12 | 8 | 23.0 | 12.0 | 0.155 | 0.024 |
| ARITH MEAN | | | | | | 11L | 205 | 4L | 4L | 9.3 | 9.8 | 0.019 | 0.016 |
| GEOM MEAN | | | | | | 9L | 75 | 3L | 3L | 5.3 | 9.7 | 0.009 | 0.016 |
| MINIMUM | | | | | | 4< | 4 | 2< | 2< | 0.5 | 7.4 | 0.002 | 0.010 |
| STD DEV | | | | | | 7L | 351 | 3L | 2L | 8.5 | 1.5 | 0.043 | 0.004 |
| NO OF SAMPLES | | | | | | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | COND25 | SSO4UR | ALKT | PH | FWPH | ASUT | ALUT | CRUT | CUUT | PBUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB |
| 80 01 22 1135 | | .3 | 1 | 60.0 | 11.000 | 14 | 6.90 | | | | | | |
| 80 02 19 1045 | | .3 | 1 | 84.0 | 11.500 | 16.0 | 7.18 | 7.6 | | | | | |
| 80 04 01 1105 | | .3 | 1 | 64.0 | 10.500 | 16.0 | 6.88 | 6.3 | | | | | |
| 80 04 21 1150 | | .3 | 1 | 69.0 | 9.500 | 18.0 | 6.80 | 6.1 | | | | | |
| 80 05 13 1110 | | .3 | 1 | 70.0 | 11.000 | 18.0 | 7.41 | 6.8 | | | | | |
| 80 06 24 1055 | | .3 | 1 | 65.0 | 10.000 | 19.0 | 7.70 | 6.2 | | | | | |
| 80 07 23 1025 | | .3 | 1 | 65.0 | 10.000 | 17.0 | 7.74 | 7.2 | | | | | |
| 80 08 19 1035 | | .3 | 1 | 60 | 10.0 | 17 | 7.42 | 6.9 | | | | | |
| 80 09 15 1045 | | .3 | 1 | 58 | 10.0 | 15 | 7.10 | 6.85 | | | | | |
| 80 10 22 1130 | | .3 | 1 | 58 | 10.5 | 16 | 7.22 | 6.7 | 0.001< | 0.010 | 0.002< | 0.001< | 0.003< |
| 80 11 26 1145 | | .3 | 1 | 64.0 | 9.500 | 18.0 | 7.21 | 6.9 | | | | | |
| 80 12 16 1150 | | .3 | 1 | 64.0 | 10.000 | 18.0 | 7.30 | | | | | | |
| MAXIMUM | | | | 84.0 | 11.500 | 19.0 | 7.74 | 7.6 | 0.001 | 0.010 | 0.002 | 0.001 | 0.003 |
| ARITH MEAN | | | | 65 | 10.2 | 16 | 7.24 | 6.7 | 0.001L | 0.010 | 0.002L | 0.001L | 0.003L |
| GEOM MEAN | | | | 64 | 10.2 | 16 | 7.23 | 6.7 | | | | | |
| MINIMUM | | | | 58 | 9.500 | 14 | 6.80 | 6.1 | 0.001< | 0.010 | 0.002< | 0.001< | 0.003< |
| STD DEV | | | | 7 | 0.6 | 1 | 0.30 | 0.4 | | | | | |
| NO OF SAMPLES | | | | 12 | 12 | 12 | 12 | 10 | 1 | 1 | 1 | 1 | 1 |

| TEST-NAME: | | | | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 10 22 1130 | | .3 | 1 | 0.0002< | 0.001< | 0.002< | 0.002< |
| MAXIMUM | | | | 0.0002 | 0.001 | 0.002 | 0.002 |
| ARITH MEAN | | | | 0.0002L | 0.001L | 0.002L | 0.002L |
| GEOM MEAN | | | | | | | |
| MINIMUM | | | | 0.0002< | 0.001< | 0.002< | 0.002< |
| STD DEV | | | | | | | |
| NO OF SAMPLES | | | | 1 | 1 | 1 | 1 |

B.O.W./SITE: **DRAG RIVER**
SAMPLE POINT: **AT HIGHWAY NO.519**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-033-02**
STORET CODE: **02**
**004**
**1220**

LAT
LONG:
U T M: **17 0686850.0 4977550.0 4**
REGION: **03**
DISTANCE: **316.871**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 22 1250 | | .3 | 1 | 20205 | 6 | 4 | 12 | 2< | 2< | 2.0 | 10.4 | 0.004 | 0.012 |
| 80 02 19 1200 | | .3 | 1 | 20212 | 6 | 56 | 16 | 2< | 2< | 2.0 | 11.6 | 0.007 | 0.016 |
| 80 04 01 1210 | | .3 | 1 | 20219 | 6 | 144C | 1120 | 4< | 4< | 3.5 | 10.2 | 0.009 | 0.012 |
| 80 04 21 1255 | | .3 | 1 | 20226 | 6 3 | 8 | 28 | 2< | 2< | 6.0 | 10.0 | 0.010 | 0.012 |
| 80 05 13 1215 | | .3 | 1 | 20233 | 6 | 252 | 200 | 2< | 2< | 10.0 | 10.6 | 0.012 | 0.016 |
| 80 06 24 1200 | | .3 | 1 | 20240 | 6 | 124 | 212 | 2< | 2< | 18.5 | 8.4 | 0.013 | 0.020 |
| 80 07 23 1105 | | .3 | 1 | 20247 | 6 | | | | | 23.0 | 7.0 | 0.007 | 0.012 |
| 80 08 19 1115 | | .3 | 1 | 20254 | 6 | | 6000 | 40I | 20I | 22.0 | 6.8 | 0.007 | 0.019 |
| 80 09 15 1215 | | .3 | 1 | 20261 | 6 | 150 | 700 | 8 | 4< | 18.0 | 8.0 | 0.010 | 0.012 |
| 80 10 22 1330 | | .3 | 1 | 20268 | 6 | 810 | 1200 | 8 | 24 | 9.0 | 9.8 | 0.010 | 0.018 |
| 80 11 26 1255 | | .3 | 1 | 20275 | 6 | 30I | 160 | 4< | 4< | 3.0 | 12.0 | 0.009 | 0.022 |
| 80 12 16 1255 | | .3 | 1 | 20282 | 6 | 72 | 56 | 2< | 2 | 2.0 | 11.8 | 0.005 | 0.028 |
| MAXIMUM | | | | | | 810 | 6000 | 40 | 24 | 23.0 | 12.0 | 0.013 | 0.028 |
| ARITH MEAN | | | | | | 165 | 882 | 7L | 6L | 9.9 | 9.7 | 0.009 | 0.017 |
| GEOM MEAN | | | | | | 68 | 190 | 4L | 4L | 6.7 | 9.6 | 0.008 | 0.016 |
| MINIMUM | | | | | | 4 | 12 | 2< | 2< | 2.0 | 6.8 | 0.004 | 0.012 |
| STD DEV | | | | | | 239 | 1753 | 11L | 6L | 8.3 | 1.8 | 0.003 | 0.005 |
| NO OF SAMPLES | | | | | | 10 | 11 | 11 | 11 | 12 | 12 | 12 | 12 |

(CONTD)

| TEST-NAME: SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COND25 CONDUCT. 25C UMHO/CM AT 25 C | SSO4UR SULPHATE UNF.REAC MG/L AS SO4 | ALKT ALK TOTAL MG/L AS CACO3 | PH PH | FWPH PH FIELD | ASUT ARSENIC UNF.TOT. MG/L AS AS | ALUT ALUMINUM UNF.TOT. MG/L AS AL | CRUT CHROMIUM UNF.TOT. MG/L AS CR | CUUT COPPER UNF.TOT. MG/L AS CU | PBUT LEAD UNF.TOT. MG/L AS PB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 22 1250 | | | .3 | 1 | 55.0 | 11.000 | 12 | 6.90 | | | | | | |
| 80 02 19 1200 | | | .3 | 1 | 87.0 | 13.000 | 23.0 | 7.13 | 7.8 | | | | | |
| 80 04 01 1210 | | | .3 | 1 | 83.0 | 11.000 | 22.0 | 6.96 | 6.25 | | | | | |
| 80 04 21 1255 | | | .3 | 1 | 81.0 | 10.000 | 22.0 | 7.06 | 6.0 | | | | | |
| 80 05 13 1215 | | | .3 | 1 | 80.0 | 11.000 | 24.0 | 7.55 | 6.8 | | | | | |
| 80 06 24 1200 | | | .3 | 1 | 80.0 | 10.5 | 24 | 8.03 | 7.4 | | | | | |
| 80 07 23 1105 | | | .3 | 1 | 85.0 | 10.500 | 26.0 | 7.98 | 7.1 | | | | | |
| 80 08 19 1115 | | | .3 | 1 | 80 | 10.0 | 25 | 7.54 | 7.1 | | | | | |
| 80 09 15 1215 | | | .3 | 1 | 74 | 11.0 | 25 | 7.20 | 5.5 | | | | | |
| 80 10 22 1330 | | | .3 | 1 | 84 | 11.0 | 25 | 7.42 | 6.6 | 0.001< | 0.002< | 0.005 | 0.002 | 0.003< |
| 80 11 26 1255 | | | .3 | 1 | 84.0 | 10.500 | 25.0 | 7.43 | 5.9 | | | | | |
| 80 12 16 1255 | | | .3 | 1 | 84.0 | 10.500 | 26.0 | 7.45 | | | | | | |
| MAXIMUM | | | | | 87.0 | 13.000 | 26.0 | 8.03 | 7.8 | 0.001 | 0.002 | 0.005 | 0.002 | 0.003 |
| ARITH MEAN | | | | | 79 | 10.8 | 23 | 7.39 | 6.6 | 0.001L | 0.002L | 0.005 | 0.002 | 0.003L |
| GEOM MEAN | | | | | 79 | 10.8 | 22 | 7.38 | 6.6 | | | | | |
| MINIMUM | | | | | 55.0 | 10.000 | 12 | 6.90 | 5.5 | 0.001< | 0.002< | 0.005 | 0.002 | 0.003< |
| STD DEV | | | | | 8 | 0.7 | 3 | 0.36 | 0.7 | | | | | |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 10 | 1 | 1 | 1 | 1 | 1 |

| TEST-NAME: SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CDUT CADMIUM UNF.TOT. MG/L AS CD | ZNUT ZINC UNF.TOT. MG/L AS ZN | NIUT NICKEL UNF.TOT. MG/L AS NI | COUT COBALT UNF.TOT. MG/L AS CO |
|---|---|---|---|---|---|---|---|---|
| 80 10 22 1330 | | | .3 | 1 | 0.0002< | 0.014 | 0.002< | 0.002< |
| MAXIMUM | | | | | 0.0002 | 0.014 | 0.002 | 0.002 |
| ARITH MEAN | | | | | 0.0002L | 0.014 | 0.002L | 0.002L |
| GEOM MEAN | | | | | | | | |
| MINIMUM | | | | | 0.0002< | 0.014 | 0.002< | 0.002< |
| STD DEV | | | | | | | | |
| NO OF SAMPLES | | | | | 1 | 1 | 1 | 1 |

B.O.W./ SITE: **TWELVE MILE LAKE OUTLET**
SAMPLE POINT: **AT HIGHWAY NO.35**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-035-02**
STORET CODE: **02**
**004**
**1229**

LAT:
LONG:
U T M: **17 0681050.0 4985525.0 4**
REGION: **03**
DISTANCE: **318.400**

| TEST-NAME: SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE SAMPLE NUMBER | FWSTRC STREAM COND. | TCMF COLIFORM TOTAL MF CNT /100ML | TCMFBK COLIFORM TOTAL MF BCKGRD CNT /100ML | FCMF FECAL COLIFORM MF CNT /100ML | FSMF FECAL STREPCUS MF CNT /100ML | FWTEMP WATER TEMP DEG.C | DO DISOLVED OXYGEN MG/L AS O | PPUT PHOSPHOR UNF.TOT. MG/L AS P | NNHTFR NH3-N TOTAL FIL.REAC MG/L AS N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 22 1020 | | | .3 | 1 | 20201 | 6 | 8 | 4< | 2< | 2< | 1.0 | 10.6 | 0.010 | 0.014 |
| 80 02 19 0920 | | | .3 | 1 | 20208 | 6 | 4< | 8 | 2< | 2< | 2.0 | 10.8 | 0.002 | 0.016 |
| 80 04 01 0912 | | | .3 | 1 | 20215 | 6 | 8 | 40 | 4< | 4 | 2.0 | 10.2 | 0.009 | 0.012 |
| 80 04 21 1045 | | | .3 | 1 | 20222 | 6 3 | 4 | 24 | 2< | 2< | 4.5 | 10.4 | 0.016 | 0.016 |
| 80 05 13 0935 | | | .3 | 1 | 20229 | 6 | 52 | 52 | 2 | 2< | 8.5 | 10.4 | 0.007 | 0.008 |
| 80 06 24 0940 | | | .3 | 1 | 20236 | 6 | 4< | 36 | 2< | 2< | 17.0 | 8.6 | 0.005 | 0.014 |
| 80 07 23 0900 | | | .3 | 1 | 20243 | 6 | | | | | 22.0 | 8.0 | 0.012 | 0.014 |
| 80 08 19 0925 | | | .3 | 1 | 20250 | 6 | 10I | 230 | 8 | 4< | 21.0 | 7.0 | 0.014 | 0.032 |
| 80 09 15 0940 | | | .3 | 1 | 20257 | 6 | 20I | 30 | 4< | 4< | 18.0 | 8.2 | 0.007 | 0.018 |
| 80 10 22 1015 | | | .3 | 1 | 20264 | 6 | 10I | 140 | 4 | 4< | 9.0 | 10.0 | 0.019 | 0.022 |
| 80 11 26 1025 | | | .3 | 1 | 20271 | 6 | 4< | 24 | 2< | 2< | 3.0 | 12.0 | 0.002 | 0.010 |
| 80 12 16 1035 | | | .3 | 1 | 20278 | 6 | 12 | 12 | 2< | 2< | 1.0 | 11.0 | 0.003 | 0.010 |
| MAXIMUM | | | | | | | 52 | 230 | 8 | 4 | 22.0 | 12.0 | 0.019 | 0.032 |
| ARITH MEAN | | | | | | | 12L | 55L | 3L | 3L | 9.1 | 9.8 | 0.009 | 0.016 |
| GEOM MEAN | | | | | | | 9L | 30L | 3L | 3L | 5.4 | 9.7 | 0.007 | 0.014 |
| MINIMUM | | | | | | | 4< | 4< | 2< | 2< | 1.0 | 7.0 | 0.002 | 0.008 |
| STD DEV | | | | | | | 14L | 69L | 2L | 1L | 8.2 | 1.5 | 0.006 | 0.006 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 12 |

| TEST-NAME: SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COND25 CONDUCT. 25C UMHO/CM AT 25 C | SSO4UR SULPHATE UNF.REAC MG/L AS SO4 | ALKT ALK TOTAL MG/L AS CACO3 | PH PH | FWPH PH FIELD | ASUT ARSENIC UNF.TOT. MG/L AS AS | ALUT ALUMINUM UNF.TOT. MG/L AS AL | CRUT CHROMIUM UNF.TOT. MG/L AS CR | CUUT COPPER UNF.TOT. MG/L AS CU | PBUT LEAD UNF.TOT. MG/L AS PB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 22 1020 | | | .3 | 1 | 86.0 | 11.500 | 16 | 6.84 | | | | | | |
| 80 02 19 0920 | | | .3 | 1 | 56.0 | 11.500 | 12.0 | 7.09 | 8.2 | | | | | |
| 80 04 01 0912 | | | .3 | 1 | 55.0 | 10.000 | 12.0 | 6.69 | 6.15 | | | | | |
| 80 04 21 1045 | | | .3 | 1 | 53.0 | 9.000 | 12.0 | 6.63 | 5.8 | | | | | |
| 80 05 13 0935 | | | .3 | 1 | 55.0 | 10.000 | 11.0 | 7.37 | 6.7 | | | | | |
| 80 06 24 0940 | | | .3 | 1 | 55.0 | 9.500 | 12.0 | 7.73 | 6.1 | | | | | |
| 80 07 23 0900 | | | .3 | 1 | 55.0 | 9.500 | 14.0 | 7.74 | 5.8 | | | | | |
| 80 08 19 0925 | | | .3 | 1 | 50 | 10.0 | 13 | 7.53 | 7.2 | | | | | |
| 80 09 15 0940 | | | .3 | 1 | 51 | 10.0 | 12 | 7.26 | 5.1 | | | | | |
| 80 10 22 1015 | | | .3 | 1 | 49 | 10.0 | 11 | 6.98 | 6.8 | 0.001< | 0.004 | 0.002< | 0.006 | 0.003< |
| 80 11 26 1025 | | | .3 | 1 | 52.0 | 9.000 | 13.0 | 7.13 | 6.4 | | | | | |
| 80 12 16 1035 | | | .3 | 1 | 52.0 | 5.000 | 17.0 | 7.13 | | | | | | |
| MAXIMUM | | | | | 86.0 | 11.500 | 17.0 | 7.74 | 8.2 | 0.001 | 0.004 | 0.002 | 0.006 | 0.003 |
| ARITH MEAN | | | | | 56 | 9.6 | 12 | 7.18 | 6.4 | 0.001L | 0.004 | 0.002L | 0.006 | 0.003L |
| GEOM MEAN | | | | | 55 | 9.4 | 12 | 7.17 | 6.3 | | | | | |
| MINIMUM | | | | | 49 | 5.000 | 11.0 | 6.63 | 5.1 | 0.001< | 0.004 | 0.002< | 0.006 | 0.003< |
| STD DEV | | | | | 9 | 1.6 | 1 | 0.37 | 0.8 | | | | | |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 10 | 1 | 1 | 1 | 1 | 1 |

(CONTD)

B.O.W / SITE: **TWELVE MILE LAKE OUTLET**
SAMPLE POINT: **AT HIGHWAY NO.35**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-035-02**
STORET CODE: **02**
**004**
**1220**

LAT LONG U T M: **17 0681050.0 4985525.0 4** REGION: **03** DISTANCE: **318.400**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TEST-NAME: CDUT<br>CADMIUM UNF.TOT. MG/L AS CD | ZNUT<br>ZINC UNF.TOT. MG/L AS ZN | NIUT<br>NICKEL UNF.TOT. MG/L AS NI | COUT<br>COBALT UNF.TOT. MG/L AS CO |
|---|---|---|---|---|---|---|---|---|
| 80 10 22 1015 | | | .3 | 1 | 0.0002< | 0.002 | 0.002< | 0.002< |
| MAXIMUM | | | | | 0.0002 | 0.002 | 0.002 | 0.002 |
| ARITH MEAN | | | | | 0.0002L | 0.002 | 0.002L | 0.002L |
| GEOM MEAN | | | | | | | | |
| MINIMUM | | | | | 0.0002< | 0.002 | 0.002< | 0.002< |
| STD DEV | | | | | | | | |
| NO OF SAMPLES | | | | | 1 | 1 | 1 | 1 |

B.O.W / SITE: **GULL RIVER**
SAMPLE POINT: **HIGHWAY 35 NORTH OF CARNARVON**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-036-02**
STORET CODE: **02**
**004**
**1220**

LAT LONG: U T M: **17 0679800.0 4993100.0 4** REGION: **03** DISTANCE: **327.171**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TEST-NAME: SAMPLE<br>SAMPLE NUMBER | FWSTRC<br>STREAM COND. | TCMF<br>COLIFORM TOTAL MF CNT /100ML | TCMFBK<br>COLIFORM TOTAL MF BCKGRD CNT /100ML | FCMF<br>FECAL COLIFORM MF CNT /100ML | FSMF<br>FECAL STREPCUS MF CNT /100ML | FWTEMP<br>WATER TEMP DEG.C | DO<br>DISOLVED OXYGEN MG/L AS O | PPUT<br>PHOSPHOR UNF.TOT. MG/L AS P | NNHTFR<br>NH3-N TOTAL FIL.REAC MG/L AS N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 22 1005 | | | .3 | 1 | 20200 | 6 | 20 | 24 | 2< | 2< | 0.5 | 10.4 | 0.012 | 0.014 |
| 80 02 19 0900 | | | .3 | 1 | 20207 | 4 | 4 | 4 | 2< | 2< | 0.5 | 11.8 | 0.010 | 0.032 |
| 80 04 01 0850 | | | .3 | 1 | 20214 | 6 | 4< | 36 | 4< | 4< | 2.0 | 9.2 | 0.014 | 0.032 |
| 80 04 21 1025 | | | .3 | 1 | 20221 | 6 3 | 16 | 40 | 2< | 2 | 5.5 | 8.8 | 0.010 | 0.022 |
| 80 05 13 0915 | | | .3 | 1 | 20228 | 6 | 216 | 440 | 2< | 2< | 9.0 | 9.6 | 0.008 | 0.022 |
| 80 06 24 0915 | | | .3 | 1 | 20235 | 6 | 104 | 72 | 2< | 2< | 17.0 | 7.8 | 0.010 | 0.026 |
| 80 07 23 1245 | | | .3 | 1 | 20242 | 6 | | | | | 23.0 | 7.4 | 0.007 | 0.006 |
| 80 08 19 0855 | | | .3 | 1 | 20249 | 6 | | 3150 | 20 | 12 | 22.0 | 6.0 | 0.008 | 0.019 |
| 80 09 15 0915 | | | .3 | 1 | 20256 | 6 | 10< | 110 | 4< | 4 | 18.0 | 7.4 | 0.008 | 0.016 |
| 80 10 22 0945 | | | .3 | 1 | 20263 | 6 | 230 | 1200 | 4< | 56 | 8.5 | 9.2 | 0.010 | 0.014 |
| 80 11 26 1000 | | | .3 | 1 | 20270 | 6 | 20I | 70 | 4< | 4< | 3.0 | 11.4 | 0.004 | 0.022 |
| 80 12 16 1005 | | | .3 | 1 | 20277 | 6 | 56 | 176 | 2 | 2< | 1.0 | 11.4 | 0.004 | 0.022 |
| MAXIMUM | | | | | | | 230 | 3150 | 20 | 56 | 23.0 | 11.8 | 0.014 | 0.032 |
| ARITH MEAN | | | | | | | 68L | 484 | 4L | 8L | 9.2 | 9.2 | 0.009 | 0.021 |
| GEOM MEAN | | | | | | | 28L | 108 | 3L | 4L | 4.8 | 9.0 | 0.008 | 0.019 |
| MINIMUM | | | | | | | 4< | 4 | 2< | 2< | 0.5 | 6.0 | 0.004 | 0.006 |
| STD DEV | | | | | | | 87L | 951 | 5L | 16L | 8.6 | 1.8 | 0.003 | 0.008 |
| NO OF SAMPLES | | | | | | | 10 | 11 | 11 | 11 | 12 | 12 | 12 | 12 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TEST-NAME: COND25<br>CONDUCT. 25C UMHO/CM AT 25 C | SSO4UR<br>SULPHATE UNF.REAC MG/L AS SO4 | ALKT<br>ALK TOTAL MG/L AS CACO3 | PH<br>PH | FWPH<br>PH FIELD | ASUT<br>ARSENIC UNF.TOT. MG/L AS AS | ALUT<br>ALUMINUM UNF.TOT. MG/L AS AL | CRUT<br>CHROMIUM UNF.TOT. MG/L AS CR | CUUT<br>COPPER UNF.TOT. MG/L AS CU | PBUT<br>LEAD UNF.TOT. MG/L AS PB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 22 1005 | | | .3 | 1 | 56.0 | 11.000 | 14 | 6.78 | | | | | | |
| 80 02 19 0900 | | | .3 | 1 | 70.0 | 12.500 | 18.0 | 7.14 | 8.5 | | | | | |
| 80 04 01 0850 | | | .3 | 1 | 62.0 | 10.500 | 15.0 | 6.71 | 6.6 | | | | | |
| 80 04 21 1025 | | | .3 | 1 | 61.0 | 9.500 | 16.0 | 6.69 | 5.9 | | | | | |
| 80 05 13 0915 | | | .3 | 1 | 65.0 | 11.000 | 17.0 | 7.31 | 6.7 | | | | | |
| 80 06 24 0915 | | | .3 | 1 | 65.0 | 10.000 | 19.0 | 8.11 | 6.3 | | | | | |
| 80 07 23 1245 | | | .3 | 1 | 60.0 | 10.500 | 18.0 | 8.14 | 5.6 | | | | | |
| 80 08 19 0855 | | | .3 | 1 | 60 | 11.0 | 19 | 7.47 | 6.9 | | | | | |
| 80 09 15 0915 | | | .3 | 1 | 58 | 10.5 | 16 | 7.30 | 5.5 | | | | | |
| 80 10 22 0945 | | | .3 | 1 | 60 | 11.5 | 17 | 7.15 | 7.0 | 0.001< | 0.025 | 0.002< | 0.001 | 0.003< |
| 80 11 26 1000 | | | .3 | 1 | 60.0 | 9.500 | 16.0 | 7.15 | 5.7 | | | | | |
| 80 12 16 1005 | | | .3 | 1 | 58.0 | 10.500 | 17.0 | 7.20 | | | | | | |
| MAXIMUM | | | | | 70.0 | 12.500 | 19.0 | 8.14 | 8.5 | 0.001 | 0.025 | 0.002 | 0.001 | 0.003 |
| ARITH MEAN | | | | | 61 | 10.6 | 16 | 7.28 | 6.5 | 0.001L | 0.025 | 0.002L | 0.001 | 0.003L |
| GEOM MEAN | | | | | 61 | 10.6 | 16 | 7.25 | 6.4 | | | | | |
| MINIMUM | | | | | 56.0 | 9.500 | 14 | 6.69 | 5.5 | 0.001< | 0.025 | 0.002< | 0.001 | 0.003< |
| STD DEV | | | | | 3 | 0.8 | 1 | 0.47 | 0.9 | | | | | |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 10 | 1 | 1 | 1 | 1 | 1 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TEST-NAME: CDUT<br>CADMIUM UNF.TOT. MG/L AS CD | ZNUT<br>ZINC UNF.TOT. MG/L AS ZN | NIUT<br>NICKEL UNF.TOT. MG/L AS NI | COUT<br>COBALT UNF.TOT. MG/L AS CO |
|---|---|---|---|---|---|---|---|---|
| 80 10 22 0945 | | | 3 | 1 | 0.0002< | 0.002 | 0.002< | 0.002< |
| MAXIMUM | | | | | 0.0002 | 0.002 | 0.002 | 0.002 |
| ARITH MEAN | | | | | 0.0002L | 0.002 | 0.002L | 0.002L |
| GEOM MEAN | | | | | | | | |
| MINIMUM | | | | | 0.0002< | 0.002 | 0.002< | 0.002< |
| STD DEV | | | | | | | | |
| NO OF SAMPLES | | | | | 1 | 1 | 1 | 1 |

B.O.W./ SITE: **HEAD LAKE OUTLET**
SAMPLE POINT: **HIGHWAY 121 HALIBURTON**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0821-037-02**
STORET CODE: **02**
**004**
**1239**

LAT: LONG: U T M: **17 0694950.0 4990750.0 4** REGION: **03** DISTANCE: **394.573**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 22 1400 | | | .3 | 1 | 20206 | 6 | 32 | 44 | 4 | 4 | 1.0 | 10.6 | 0.2 | 0.010 |
| 80 02 19 1220 | | | .3 | 1 | 20213 | 6 | 8 | 72 | 2< | 2< | 2.0 | 11.4 | 0.6 | 0.004 |
| 80 04 01 1240 | | | .3 | 1 | 20220 | 6 | 216C | 2040 | 4< | 4 | 3.5 | 10.2 | 0.2 | 0.019 |
| 80 04 21 1325 | | | .3 | 1 | 20227 | 6 3 | 40 | 156 | 2< | 8 | 7.5 | 9.4 | 0.4 | 0.007 |
| 80 05 13 1250 | | | .3 | 1 | 20234 | 6 | 100 | 400 | 2< | 2< | 11.5 | 10.0 | 0.4 | 0.006 |
| 80 06 24 1235 | | | .3 | 1 | 20241 | 6 | 16 | 84 | 2< | 4 | 18.5 | 8.0 | 0.4 | 0.010 |
| 80 07 23 1130 | | | .3 | 1 | 20248 | 6 | | | | | 23.0 | 7.0 | 0.2 | 0.010 |
| 80 08 19 1205 | | | .3 | 1 | 20255 | 6 | 20I | 2600 | 4 | 16 | 23.0 | 6.6 | 1.0 | 0.010 |
| 80 09 15 1245 | | | .3 | 1 | 20262 | 6 | 200 | 230 | 4 | 4< | 18.0 | 7.8 | 0.5 | 0.009 |
| 80 10 22 1410 | | | .3 | 1 | 20269 | 6 | 60I | 1200 | 4< | 4 | 8.0 | 10.8 | 1.0 | 0.010 |
| 80 11 26 1330 | | | .3 | 1 | 20276 | 6 | 48 | 140 | 4< | 4< | 3.5 | 12.2 | | 0.010 |
| 80 12 16 1335 | | | .3 | 1 | 20283 | 6 | 80 | 400 | 2< | 4 | 1.0 | 11.6 | 0.4 | 0.195 |
| MAXIMUM | | | | | | | **216** | **2600** | **4** | **16** | **23.0** | **12.2** | **1.0** | **0.195** |
| ARITH MEAN | | | | | | | **75** | **670** | **3L** | **5L** | **10.0** | **9.6** | **0.5** | **0.025** |
| GEOM MEAN | | | | | | | **48** | **293** | **3L** | **4L** | **6.2** | **9.5** | **0.4** | **0.012** |
| MINIMUM | | | | | | | **8** | **44** | **2<** | **2<** | **1.0** | **6.6** | **0.2** | **0.004** |
| STD DEV | | | | | | | **72** | **887** | **1L** | **4L** | **8.6** | **1.9** | **0.3** | **0.054** |
| NO OF SAMPLES | | | | | | | **11** | **11** | **11** | **11** | **12** | **12** | **11** | **12** |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 22 1400 | | | .3 | 1 | 0.001< | 0.016 | 0.200 | 0.090 | 0.159 | 0.265 | 0.184 | 0.449 | 39.00 | 0.10< |
| 80 02 19 1220 | | | .3 | 1 | 0.001 | 0.016 | 0.240 | 0.004 | 0.156 | 0.176 | 0.224 | 0.400 | 51.00 | 0.40 |
| 80 04 01 1240 | | | .3 | 1 | 0.001 | 0.092 | 0.360 | 0.004 | 0.214 | 0.310 | 0.268 | 0.578 | 42.00 | 3.00 |
| 80 04 21 1325 | | | .3 | 1 | 0.001 | 0.018 | 0.220 | 0.001 | 0.134 | 0.153 | 0.202 | 0.355 | 58.00 | 14.00 |
| 80 05 13 1250 | | | .3 | 1 | 0.001 | 0.006 | 0.240 | 0.003 | 0.062 | 0.071 | 0.234 | 0.305 | 76.00 | 1.00 |
| 80 06 24 1235 | | | .3 | 1 | 0.001 | 0.024 | 0.260 | 0.002 | 0.023 | 0.049 | 0.236 | 0.285 | 50.00 | 1.00 |
| 80 07 23 1130 | | | .3 | 1 | 0.002 | 0.012 | 0.290 | 0.002 | 0.018 | 0.032 | 0.278 | 0.310 | 55.00 | 3.00 |
| 80 08 19 1205 | | | .3 | 1 | 0.001< | 0.023 | 0.31 | 0.002 | 0.003 | 0.028 | 0.287 | 0.315 | 48 | 2 |
| 80 09 15 1245 | | | .3 | 1 | 0.001 | 0.018 | 0.29 | 0.001< | 0.020 | 0.039 | 0.272 | 0.311 | 49 | 0.3 |
| 80 10 22 1410 | | | .3 | 1 | 0.001< | 0.024 | 0.28 | 0.001 | 0.024 | 0.049 | 0.256 | 0.305 | 49 | 1 |
| 80 11 26 1330 | | | .3 | 1 | 0.006 | 0.024 | 0.240 | 0.002 | 0.110 | 0.136 | 0.216 | 0.352 | 48.00 | 0.50 |
| 80 12 16 1335 | | | .3 | 1 | 0.005 | 0.018 | 0.260 | 0.001 | 0.104 | 0.123 | 0.242 | 0.365 | 48.00 | 0.60 |
| MAXIMUM | | | | | **0.006** | **0.092** | **0.360** | **0.090** | **0.214** | **0.310** | **0.287** | **0.578** | **76.00** | **14.00** |
| ARITH MEAN | | | | | **0.002L** | **0.024** | **0.26** | **0.009L** | **0.086** | **0.119** | **0.242** | **0.361** | **51** | **2 L** |
| GEOM MEAN | | | | | **0.001L** | **0.020** | **0.26** | **0.003L** | **0.051** | **0.088** | **0.240** | **0.354** | **50** | **0 L** |
| MINIMUM | | | | | **0.001<** | **0.006** | **0.200** | **0.001<** | **0.003** | **0.028** | **0.184** | **0.285** | **39.00** | **0.10<** |
| STD DEV | | | | | **0.002L** | **0.022** | **0.04** | **0.025L** | **0.070** | **0.094** | **0.032** | **0.083** | **9** | **3 L** |
| NO OF SAMPLES | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | SSO4UR | ACDT | ALKT | PH | FWPH | ALUT | CRUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR |
| 80 01 22 1400 | | | .3 | 1 | 39.000 | 60.0 | 1.500 | 11.000 | 1.160 | 15 | 7.05 | | | |
| 80 02 19 1220 | | | .3 | 1 | 51.000 | 79.0 | 1.850 | 11.500 | 2.990 | 22.0 | 7.11 | 8.4 | | |
| 80 04 01 1240 | | | .3 | 1 | 39.000 | 60.0 | 3.700 | 9.500 | 4.630 | 12.0 | 6.54 | 6.35 | | |
| 80 04 21 1325 | | | .3 | 1 | 44.000 | 68.0 | 2.200 | 9.000 | 1.230 | 21.0 | 7.12 | 6.1 | | |
| 80 05 13 1250 | | | .3 | 1 | 75.000 | 75.0 | 2.300 | 11.000 | 1.520 | 21.0 | 7.51 | 6.8 | | |
| 80 06 24 1235 | | | .3 | 1 | 49.000 | 75.0 | 2.35 | 9.5 | 1.37 | 22.0 | 7.63 | 6.6 | | |
| 80 07 23 1130 | | | .3 | 1 | 52.000 | 80.0 | 2.800 | 9.000 | 1.250 | 25.0 | 7.58 | 7.15 | | |
| 80 08 19 1205 | | | .3 | 1 | 46 | 70 | 2.0 | 9.0 | | 24 | 7.35 | 6.4 | | |
| 80 09 15 1245 | | | .3 | 1 | 49 | 75 | 2.25 | 9.5 | 1.20 | 23 | 7.32 | 5.4 | | |
| 80 10 22 1410 | | | .3 | 1 | 48 | 74 | 2.60 | 10.5 | 1.67 | 22 | 7.38 | 6.6 | 0.021 | 0.010 |
| 80 11 26 1330 | | | .3 | 1 | 47.000 | 72.0 | 1.750 | 10.000 | 1.850 | 21.0 | 7.32 | 6.8 | | |
| 80 12 16 1335 | | | .3 | 1 | 47.000 | 72.0 | 1.800 | 10.000 | | 22.0 | 7.32 | | | |
| MAXIMUM | | | | | **75.000** | **80.0** | **3.700** | **11.500** | **4.630** | **25.0** | **7.63** | **8.4** | **0.021** | **0.010** |
| ARITH MEAN | | | | | **48** | **71** | **2.2** | **9.9** | **1.88** | **20** | **7.27** | **6.6** | **0.021** | **0.010** |
| GEOM MEAN | | | | | **48** | **71** | **2.1** | **9.9** | **1.69** | **20** | **7.26** | **6.6** | | |
| MINIMUM | | | | | **39.000** | **60.0** | **1.500** | **9.000** | **1.160** | **12.0** | **6.54** | **5.4** | **0.021** | **0.010** |
| STD DEV | | | | | **9** | **6** | **0.5** | **0.8** | **1.10** | **3** | **0.29** | **0.7** | | |
| NO OF SAMPLES | | | | | **12** | **12** | **12** | **12** | **10** | **12** | **12** | **10** | **1** | **1** |

| TEST-NAME: | | | | | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 10 22 1410 | | | .3 | 1 | 0.001< | 0.003< | 0.0002< | 0.001 | 0.002< | 0.002< |
| MAXIMUM | | | | | **0.001** | **0.003** | **0.0002** | **0.001** | **0.002** | **0.002** |
| ARITH MEAN | | | | | **0.001L** | **0.003L** | **0.0002L** | **0.001** | **0.002L** | **0.002L** |
| GEOM MEAN | | | | | | | | | | |
| MINIMUM | | | | | **0.001<** | **0.003<** | **0.0002<** | **0.001** | **0.002<** | **0.002<** |
| STD DEV | | | | | | | | | | |
| NO OF SAMPLES | | | | | **1** | **1** | **1** | **1** | **1** | **1** |

B.O.W / SITE: **JACKSON CREEK**
SAMPLE POINT: **DALHOUSIE STREET PETERBOROUGH**
STATION TYPE: **RIVER FLOW GAUGE FED 02HJ001**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-038-02**
STORET CODE: **02**
**004**
**1220**

LAT:
LONG:
U T M: **17 0713750.0 4908325.0 4**
REGION: **03**
DISTANCE: **145.199**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 22 1545 | | | .3 | 1 | 21015 | 6 | 0.818 | 99000 | 75000 | 80I | 120 | | | 0.2 |
| 80 02 28 1730 | | | .3 | 1 | 21049 | 6 | 0.171 | 260 | 1800 | 10< | 10I | 0.0 | 12.6 | 1.4 |
| 80 03 25 1750 | | | .3 | 1 | 21115 | 6 | 15.700 | 4400C | 27000 | 60I | 1500> | 0.0 | 12.2 | 2.4 |
| 80 04 24 1538 | | | .3 | 1 | 21186 | 6 | 1.170 | 1300C | 5000 | 4< | 12 | 11.5 | 9.6 | 0.4 |
| 80 05 22 1708 | | | .3 | 1 | 21258 | 6 | 0.552 | 800C | 9000 | 140 | 600> | 21.5 | 8.2 | 1.2 |
| 80 06 25 1750 | | | .3 | 1 | 21323 | 6 | 0.358 | 37000 | 29000 | 480 | 410 | 24.2 | 8.4 | 1.0 |
| 80 07 08 1845 | | | .3 | 1 | 21386 | 6 | 0.273 | 25000 | 69000 | 2180 | 680 | 21.2 | 8.8 | 1.0 |
| 80 08 14 1830 | | | .3 | 1 | 21448 | 6 | 0.227 | | | | | 21.0 | 10.4 | 1.2 |
| 80 09 25 1650 | | | .3 | 1 | 21510 | 6 | 0.218 | | | | | 11.5 | 10.0 | 0.4 |
| 80 10 08 1520 | | | .3 | 1 | 21561 | 6 | 0.319 | 5100C | 37000 | 300 | 150 | 11.0 | 9.3 | 0.8 |
| 80 11 19 1805 | | | .3 | 1 | 21636 | 6 | 0.733 | 1000 | 7000 | 100I | 60I | 0.5 | 11.8 | 0.6 |
| 80 12 10 1720 | | | .3 | 1 | 21699 | 6 | 1.880 | | | | | 0.5 | 13.3 | 0.2 |
| **MAXIMUM** | | | | | | | **15.700** | **99000** | **75000** | **2180** | **1500>** | **24.2** | **13.3** | **2.4** |
| **ARITH MEAN** | | | | | | | **1.868** | **19318** | **28867** | **373L** | **394G** | **11.2** | **10.4** | **0.9** |
| **GEOM MEAN** | | | | | | | **0.617** | **4348** | **16383** | **98L** | **147G** | **5.3** | **10.3** | **0.7** |
| **MINIMUM** | | | | | | | **0.171** | **260** | **1800** | **4<** | **10** | **0.0** | **8.2** | **0.2** |
| **STD DEV** | | | | | | | **4.384** | **32568** | **27349** | **695L** | **486G** | **9.8** | **1.8** | **0.6** |
| **NO OF SAMPLES** | | | | | | | **12** | **9** | **9** | **9** | **9** | **11** | **11** | **12** |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 22 1545 | | | .3 | 1 | 0.039 | 0.006 | 0.216 | 0.870 | 0.012 | 0.333 | 0.561 | 0.654 | 1.215 | 505.0 |
| 80 02 28 1730 | | | .3 | 1 | 0.044 | 0.024 | 0.340 | 0.790 | 0.010 | 0.205 | 0.555 | 0.450 | 1.005 | 347.0 |
| 80 03 25 1750 | | | .3 | 1 | 0.055 | 0.054 | 0.220 | 0.380 | 0.023 | 0.687 | 0.930 | 0.160 | 1.090 | 133.0 |
| 80 04 24 1538 | | | .3 | 1 | 0.026 | 0.006 | 0.006 | 0.600 | 0.003 | 0.037 | 0.046 | 0.594 | 0.640 | 263.0 |
| 80 05 22 1708 | | | .3 | 1 | 0.068 | 0.021 | 0.006 | 1.000 | 0.006 | 0.059 | 0.071 | 0.994 | 1.065 | 264.0 |
| 80 06 25 1750 | | | .3 | 1 | 0.069 | 0.030 | 0.002 | 0.920 | 0.005 | 0.090 | 0.097 | 0.918 | 1.015 | 248.0 |
| 80 07 08 1845 | | | .3 | 1 | 0.067 | 0.023 | 0.004 | 1.02 | 0.005 | 0.085 | 0.094 | 1.016 | 1.110 | 291 |
| 80 08 14 1830 | | | .3 | 1 | 0.078 | 0.040 | 0.042 | 0.980 | 0.013 | 0.352 | 0.407 | 0.938 | 1.345 | 278.0 |
| 80 09 25 1650 | | | .3 | 1 | 0.030 | 0.009 | 0.038 | 0.74 | 0.001< | 0.185 | 0.224 | 0.702 | 0.926 | 303 |
| 80 10 08 1520 | | | .3 | 1 | 0.042 | 0.028 | 0.026 | 0.780 | 0.003 | 0.102 | 0.131 | 0.754 | 0.885 | 302.0 |
| 80 11 19 1805 | | | .3 | 1 | 0.015 | 0.004 | 0.004 | 0.620 | 0.002 | 0.058 | 0.064 | 0.616 | 0.680 | 338.0 |
| 80 12 10 1720 | | | .3 | 1 | 0.022 | 0.006 | 0.040 | 0.720 | 0.007 | 0.303 | 0.350 | 0.680 | 1.030 | 370.0 |
| **MAXIMUM** | | | | | **0.078** | **0.054** | **0.340** | **1.02** | **0.023** | **0.687** | **0.930** | **1.016** | **1.346** | **505.0** |
| **ARITH MEAN** | | | | | **0.046** | **0.021** | **0.079** | **0.78** | **0.007L** | **0.208** | **0.294** | **0.706** | **1.000** | **303** |
| **GEOM MEAN** | | | | | **0.041** | **0.016** | **0.024** | **0.76** | **0.006L** | **0.146** | **0.191** | **0.647** | **0.980** | **291** |
| **MINIMUM** | | | | | **0.015** | **0.004** | **0.002** | **0.380** | **0.001<** | **0.037** | **0.046** | **0.160** | **0.640** | **133.0** |
| **STD DEV** | | | | | **0.021** | **0.016** | **0.114** | **0.19** | **0.006L** | **0.188** | **0.275** | **0.246** | **0.200** | **87** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | RSP | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 22 1545 | | | .3 | 1 | 11.0 | 820.0 | 0.48 | 120.000 | | |
| 80 02 28 1730 | | | .3 | 1 | 1.0 | 560.0 | 1.50 | 26.000 | 8.19 | 7.8 |
| 80 03 25 1750 | | | .3 | 1 | 19.0 | 175.0 | 16.00 | 5.650 | 7.72 | 7.5 |
| 80 04 24 1538 | | | .3 | 1 | 3.0 | 400.0 | 1.70 | 14.000 | 8.47 | 8.4 |
| 80 05 22 1708 | | | .3 | 1 | 4.0 | 400.0 | 1.80 | 13.500 | 8.66 | 8.6 |
| 80 06 25 1750 | | | .3 | 1 | 4.0 | 375.0 | 2.00 | 12.000 | 8.65 | 8.6 |
| 80 07 08 1845 | | | .3 | 1 | 8 | 435 | 2.1 | 26.5 | 8.58 | 8.7 |
| 80 08 14 1830 | | | .3 | 1 | 8.0 | 415.0 | 1.90 | 19.500 | 8.19 | |
| 80 09 25 1650 | | | .3 | 1 | 2 | 450 | 0.69 | 19.0 | 8.47 | 8.8 |
| 80 10 08 1520 | | | .3 | 1 | 15.0 | 440.0 | 1.00 | 14.500 | 8.21 | 8.7 |
| 80 11 19 1805 | | | .3 | 1 | 2.0 | 520.0 | 0.85 | 20.500 | 8.24 | 8.4 |
| 80 12 10 1720 | | | .3 | 1 | 6.0 | 600.0 | 2.30 | 55.000 | 8.05 | 7.9 |
| **MAXIMUM** | | | | | **19.0** | **820.0** | **16.00** | **120.000** | **8.66** | **8.8** |
| **ARITH MEAN** | | | | | **8** | **468** | **2.6** | **28.8** | **8.31** | **8.3** |
| **GEOM MEAN** | | | | | **5** | **440** | **1.6** | **20.7** | **8.31** | **8.3** |
| **MINIMUM** | | | | | **1.0** | **175.0** | **0.48** | **5.650** | **7.72** | **7.5** |
| **STD DEV** | | | | | **5** | **154** | **4.2** | **31.2** | **0.29** | **0.4** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **11** | **10** |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **NONQUON RIVER**
SAMPLE POINT: **AT COUNTY ROAD NO 2 SEAGRAVE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-040-02**

STORET CODE: **02**
**004**
**1220**

LAT:
LONG:
U T M: **17 0663850.0 4895950 0 4**
REGION: **03**
DISTANCE: **290.479**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 15 1100 | | .3 | 1 | 22042 | 4 | 3000> | 3000> | 164 | 300 | 0.0 | 5.4 | 1.2 | 0.045 |
| 80 02 19 1050 | | .3 | 1 | 22114 | 4 | 200I | 800 | 10I | 20I | 0.0 | 5.3 | 1.0 | 0.035 |
| 80 03 18 1130 | | .3 | 1 | 22161 | 4 | | | | | 0.0 | 8.7 | 3.6 | 0.170 |
| 80 04 15 1100 | | .3 | 1 | 22213 | 6 | 1300 | 10000 | 440 | 1180 | 3.1 | 9.7 | 0.6 | 0.068 |
| 80 05 22 1115 | | .3 | 1 | 22263 | 5 | 110C | 3300 | 4 | 20 | 19.4 | 7.4 | 1.0 | 0.074 |
| 80 06 24 1100 | | .3 | 1 | 22313 | 6 8 | 20 | 3600 | 20I | 10< | 23.9 | 8.1 | 1.2 | 0.053 |
| 80 07 22 1120 | | .3 | 1 | 22353 | 6 8 | | | | | 21.3 | 2.2 | 1.2 | 0.110 |
| 80 08 13 1110 | | .3 | 1 | 22413 | 7 9 | 300I | 4500 | 20I | 3000> | 20.7 | 1.9 | 1.4 | 0.142 |
| 80 09 24 1035 | | .3 | 1 | 22463 | 5 7 9 | 2400 | 24000 | 570 | 470 | 12.0 | 4.9 | 1.1 | 0.085 |
| 80 10 22 1100 | | .3 | 1 | 22513 | 6 | 500I | 5800 | 50I | 120 | 5.8 | 7.6 | | |
| 80 11 25 1500 | | .3 | 1 | 22561 | 6 | 1000 | 10500 | 40I | 460 | 0.0 | 9.1 | 0.2 | 0.020 |
| 80 12 17 1430 | | .3 | 1 | 22618 | 8 | 350I | 680 | 10I | 20I | | | 1.4 | 0.022 |
| MAXIMUM | | | | | | 3000> | 24000> | 570 | 3000> | 23.9 | 9.7 | 3.6 | 0.170 |
| ARITH MEAN | | | | | | 918G | 6618G | 133 | 560B | 9.7 | 6.4 | 1.3 | 0.076 |
| GEOM MEAN | | | | | | 430G | 4079G | 41 | 136B | 5.0 | 5.7 | 1.0 | 0.061 |
| MINIMUM | | | | | | 20 | 680 | 4 | 10< | 0.0 | 1.9 | 0.2 | 0.020 |
| STD DEV | | | | | | 1029G | 6961G | 204 | 931B | 10.0 | 2.7 | 0.9 | 0.049 |
| NO OF SAMPLES | | | | | | 10 | 10 | 10 | 10 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 15 1100 | | .3 | 1 | 0.011 | 0.304 | 1.030 | 0.027 | 0.413 | 0.744 | 0.726 | 1.470 | 286.0 | 6.0 |
| 80 02 19 1050 | | .3 | 1 | 0.009 | 0.580 | 1.050 | 0.021 | 0.690 | 1.291 | 0.470 | 1.761 | 598.0 | 8.0 |
| 80 03 18 1130 | | .3 | 1 | 0.058 | 0.750 | 1.800 | 0.049 | 1.550 | 2.349 | 1.050 | 3.399 | 514.0 | 93.0 |
| 80 04 15 1100 | | .3 | 1 | 0.009 | 0.030 | 0.725 | 0.011 | 0.549 | 0.590 | 0.695 | 1.285 | 259.0 | 22.0 |
| 80 05 22 1115 | | .3 | 1 | 0.016 | 0.046 | 0.840 | 0.004 | 0.011 | 0.061 | 0.794 | 0.855 | 326.0 | 8.0 |
| 80 06 24 1100 | | .3 | 1 | 0.007 | 0.049 | 1.020 | 0.003 | 0.007 | 0.059 | 0.971 | 1.030 | 294.0 | 5.0 |
| 80 07 22 1120 | | .3 | 1 | 0.041 | 0.068 | 1.100 | 0.083 | 0.417 | 0.568 | 1.032 | 1.600 | 239.0 | 5.0 |
| 80 08 13 1110 | | .3 | 1 | 0.074 | 0.036 | 1.180 | 0.008 | 0.072 | 0.116 | 1.144 | 1.260 | 340.0 | 4.0 |
| 80 09 24 1035 | | .3 | 1 | 0.033 | 0.060 | 0.98 | 0.026 | 0.074 | 0.160 | 0.920 | 1.080 | 294 | 8 |
| 80 11 25 1500 | | .3 | 1 | 0.006 | 0.052 | 0.580 | 0.010 | 0.285 | 0.347 | 0.528 | 0.875 | 347.0 | 3.0 |
| 80 12 17 1430 | | .3 | 1 | 0.012 | 0.156 | 0.780 | 0.055 | 0.260 | 0.471 | 0.624 | 1.095 | 349.0 | 4.0 |
| MAXIMUM | | | | 0.074 | 0.750 | 1.800 | 0.083 | 1.550 | 2.349 | 1.144 | 3.399 | 598.0 | 93.0 |
| ARITH MEAN | | | | 0.025 | 0.194 | 1.00 | 0.027 | 0.393 | 0.614 | 0.814 | 1.428 | 349 | 15 |
| GEOM MEAN | | | | 0.017 | 0.101 | 0.96 | 0.017 | 0.168 | 0.346 | 0.784 | 1.318 | 336 | 7 |
| MINIMUM | | | | 0.006 | 0.030 | 0.580 | 0.003 | 0.007 | 0.059 | 0.470 | 0.855 | 239.0 | 3.0 |
| STD DEV | | | | 0.023 | 0.249 | 0.31 | 0.025 | 0.445 | 0.682 | 0.226 | 0.714 | 109 | 26 |
| NO OF SAMPLES | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 15 1100 | | .3 | 1 | 280.0 | 455.0 | 23.500 | 7.29 | 6.9 |
| 80 02 19 1050 | | .3 | 1 | 590.0 | 600.0 | 19.000 | 7.38 | 7.1 |
| 80 03 18 1130 | | .3 | 1 | 421.0 | 720.0 | | 7.58 | 7.0 |
| 80 04 15 1100 | | .3 | 1 | 237.000 | 365.0 | 13.500 | 7.77 | 7.2 |
| 80 05 22 1115 | | .3 | 1 | 318.0 | 465.0 | 23.000 | 8.01 | 7.3 |
| 80 06 24 1100 | | .3 | 1 | 289.000 | 445.0 | 15.500 | 7.95 | 7.5 |
| 80 07 22 1120 | | .3 | 1 | 234.000 | 360.0 | 9.100 | 7.39 | 6.8 |
| 80 08 13 1110 | | .3 | 1 | 336.0 | 485.0 | 16.000 | 7.61 | 7.0 |
| 80 09 24 1035 | | .3 | 1 | 286 | 475 | 15.0 | 7.75 | |
| 80 10 22 1100 | | .3 | 1 | | | | | 6.9 |
| 80 11 25 1500 | | .3 | 1 | 344.0 | 540.0 | 24.500 | 7.78 | 7.4 |
| 80 12 17 1430 | | .3 | 1 | 345.0 | 580.0 | 21.500 | 7.57 | |
| MAXIMUM | | | | 590.0 | 720.0 | 24.500 | 8.01 | 7.5 |
| ARITH MEAN | | | | 334 | 499 | 18.0 | 7.64 | 7.1 |
| GEOM MEAN | | | | 323 | 489 | 17.3 | 7.64 | 7.1 |
| MINIMUM | | | | 234.000 | 360.0 | 9.100 | 7.29 | 6.8 |
| STD DEV | | | | 100 | 106 | 5.0 | 0.23 | 0.2 |
| NO OF SAMPLES | | | | 11 | 11 | 10 | 11 | 10 |

B O W / SITE: **SCUGOG RIVER**
SAMPLE POINT: **DOWNSTREAM FROM LINDSAY LAGOONS**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-041-02**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **17 0678960.0 4918125.0 4** REGION: **03** DISTANCE: **245.740**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 22 1000 | | .3 | 1 | 28250 | 4 | 2900 | 1600 | 470 | 270 | 0.5 | 12.0 | 0.2 | 0.036 |
| 80 02 12 1030 | | .3 | 1 | 28252 | 4 | 10I | 10 | 4< | 4< | 7.6 | 12.9 | 4.2 | 0.083 |
| 80 04 01 1000 | | .3 | 1 | 28254 | 4 | 460 | 1500 | 4< | 4 | 0.5 | 10.0 | 2.0 | 0.059 |
| 80 05 07 1100 | | .3 | 1 | 28256 | | 860C | 5000 | 12 | 4 | 16.0 | 8.0 | 2.2 | 0.085 |
| 80 06 25 1055 | | .3 | 1 | 28258 | | 210C | 6000 | 10I | 10< | 23.0 | 11.2 | 1.8 | 0.067 |
| 80 07 24 0900 | | .3 | 1 | 28260 | 8 | | | | | | | 2.4 | 0.108 |
| 80 10 06 1045 | | .3 | 1 | 28262 | 6 | 1000 | 11000 | 110 | 60I | 12.1 | 8.8 | 1.5 | 0.042 |
| 80 11 10 0900 | | .3 | 1 | 28264 | | 1100 | 27000 | 20I | 140 | 3.4 | 10.2 | 0.8 | 0.032 |
| 80 12 16 1050 | | .3 | 1 | 28266 | | 600I | 2300 | 12 | 4< | 1.0 | 8.6 | 3.6 | 0.017 |
| MAXIMUM | | | | | | **2900** | **27000** | **470** | **270** | **23.0** | **12.9** | **4.2** | **0.108** |
| ARITH MEAN | | | | | | **892** | **6801** | **80L** | **62L** | **8.0** | **10.2** | **2.1** | **0.059** |
| GEOM MEAN | | | | | | **447** | **2170** | **20L** | **17L** | **3.6** | **10.1** | **1.6** | **0.051** |
| MINIMUM | | | | | | **10** | **10** | **4<** | **4<** | **0.5** | **8.0** | **0.2** | **0.017** |
| STD DEV | | | | | | **895** | **8872** | **161L** | **97L** | **8.4** | **1.7** | **1.3** | **0.030** |
| NO OF SAMPLES | | | | | | **8** | **8** | **8** | **8** | **8** | **8** | **9** | **9** |

| TEST-NAME: | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE FILTERED MG/L |
| 80 01 22 1000 | | .3 | 1 | 0.001< | 0.520 | 1.400 | 0.008 | 0.527 | 1.055 | 0.880 | 1.935 | 260.0 | 254.000 |
| 80 02 12 1030 | | .3 | 1 | 0.001 | 0.370 | 2.050 | 0.007 | 0.513 | 0.890 | 1.680 | 2.570 | 242.0 | 234.000 |
| 80 04 01 1000 | | .3 | 1 | 0.005 | 0.246 | 1.250 | 0.018 | 0.830 | 1.094 | 1.004 | 2.098 | 186.0 | 179.000 |
| 80 05 07 1100 | | .3 | 1 | 0.002 | 0.128 | 1.180 | 0.016 | 0.219 | 0.363 | 1.052 | 1.415 | 256.0 | 237.000 |
| 80 06 25 1055 | | .3 | 1 | 0.002 | 0.133 | 1.260 | 0.027 | 0.253 | 0.413 | 1.127 | 1.540 | 327.0 | 319.0 |
| 80 07 24 0900 | | .3 | 1 | 0.035 | 0.370 | 1.530 | 0.215 | 1.180 | 1.765 | 1.160 | 2.925 | 278.0 | 260.000 |
| 80 10 06 1045 | | .3 | 1 | 0.017 | 0.170 | 1.220 | 0.051 | 0.189 | 0.410 | 1.050 | 1.460 | 284.0 | 274.0 |
| 80 11 10 0900 | | .3 | 1 | 0.001 | 0.238 | 0.920 | 0.011 | 0.784 | 1.033 | 0.682 | 1.715 | 316.0 | 310.0 |
| 80 12 18 1050 | | .3 | 1 | 0.001 | 0.288 | 1.370 | 0.007 | 0.708 | 1.003 | 1.082 | 2.085 | 306.0 | 299.0 |
| MAXIMUM | | | | **0.035** | **0.520** | **2.050** | **0.215** | **1.180** | **1.765** | **1.680** | **2.925** | **327.0** | **319.0** |
| ARITH MEAN | | | | **0.007L** | **0.274** | **1.353** | **0.040** | **0.578** | **0.892** | **1.080** | **1.971** | **272.8** | **262.8** |
| GEOM MEAN | | | | **0.003L** | **0.247** | **1.325** | **0.019** | **0.487** | **0.787** | **1.052** | **1.916** | **269.4** | **259.3** |
| MINIMUM | | | | **0.001<** | **0.128** | **0.920** | **0.007** | **0.189** | **0.363** | **0.682** | **1.415** | **186.0** | **179.000** |
| STD DEV | | | | **0.012L** | **0.129** | **0.311** | **0.067** | **0.331** | **0.448** | **0.268** | **0.515** | **43.3** | **43.9** |
| NO OF SAMPLES | | | | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** |

| TEST-NAME: | | | | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 22 1000 | | .3 | 1 | 390.0 | 17.500 | 7.62 | |
| 80 02 12 1030 | | .3 | 1 | 360.0 | 19.000 | 7.59 | |
| 80 04 01 1000 | | .3 | 1 | 275.0 | 8.300 | 7.49 | 7.3 |
| 80 05 07 1100 | | .3 | 1 | 365.0 | | 8.04 | 8.0 |
| 80 06 25 1055 | | .3 | 1 | 475.0 | 34.000 | 8.44 | 8.4 |
| 80 07 24 0900 | | .3 | 1 | 400.0 | 19.500 | 7.79 | |
| 80 10 06 1045 | | .3 | 1 | 420.0 | 19.500 | 7.99 | 7.8 |
| 80 11 10 0900 | | .3 | 1 | 480.0 | 19.000 | 7.85 | 7.8 |
| 80 12 18 1050 | | 3 | 1 | 450.0 | 16.500 | 8.04 | |
| MAXIMUM | | | | **480.0** | **34.000** | **8.44** | **8.4** |
| ARITH MEAN | | | | **401.7** | **19.162** | **7.87** | **7.9** |
| GEOM MEAN | | | | **396.6** | **18.034** | **7.87** | **7.9** |
| MINIMUM | | | | **275.0** | **8.300** | **7.49** | **7.3** |
| STD DEV | | | | **64.7** | **7.064** | **0.29** | **0.4** |
| NO OF SAMPLES | | | | **9** | **8** | **9** | **5** |

B O W / SITE: **GULL RIVER**
SAMPLE POINT: **1.3 MILES DOWNSTREAM FROM MINDEN**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-043-02**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **17 0677700.0 4975150.0 4** REGION: **03** DISTANCE: **301.905**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 22 1105 | | 3 | 1 | 20203 | 6 | 20 | 24 | 2< | 2< | 0.5 | 10.8 | 0.2 | 0.015 |
| 80 02 19 1010 | | 3 | 1 | 20210 | 4 | 56 | 104 | 2< | 2< | 0.5 | 11.2 | 0.2 | 0.007 |
| 80 04 01 1000 | | .3 | 1 | 20217 | 6 | 108 | 920 | 4< | 4 | 3.0 | 11.0 | 0.2 | 0.016 |
| 80 04 21 1120 | | 3 | 1 | 20224 | 6 | 76 | 224 | 2 | 2< | 5.5 | 9.2 | 0.6 | 0.009 |
| 80 05 13 1025 | | 3 | 1 | 20231 | 6 | 276 | 840 | 4 | 2 | 10.0 | 9.4 | 0.2 | 0.014 |
| 80 06 24 1030 | | 3 | 1 | 20238 | 6 | 16 | 84 | 2< | 8 | 17.5 | 7.8 | 0.4 | 0.009 |
| 80 07 23 0940 | | 3 | 1 | 20245 | 6 | | | | | 22.0 | 7.0 | 0.2 | 0.091 |
| 80 08 19 1005 | | 3 | 1 | 20252 | 6 | | 4600 | 8 | 12 | 22.0 | 7.2 | 0.8 | 0.006 |
| 80 09 15 1020 | | 3 | 1 | 20259 | 7 6 | 160 | 1400 | 4 | 16 | 18.5 | 8.6 | 0.5 | 0.006 |
| 80 10 22 1235 | | 3 | 1 | 20266 | 6 | 130 | 1700 | 4 | 36 | 9.0 | 9.6 | 0.6 | 0.011 |
| 80 11 26 1110 | | 3 | 1 | 20273 | 6 | 10I | 80 | 4< | 4< | 3.5 | 11.6 | | 0.008 |
| 80 12 16 1115 | | 3 | 1 | 20280 | 6 | 156 | 720 | 4 | 2< | 1.0 | 12.8 | 0.6 | 0.024 |
| MAXIMUM | | | | | | **276** | **4600** | **8** | **36** | **22.0** | **12.8** | **0.8** | **0.091** |
| ARITH MEAN | | | | | | **101** | **972** | **4L** | **8L** | **9.4** | **9.7** | **0.4** | **0.018** |
| GEOM MEAN | | | | | | **65** | **379** | **3L** | **5L** | **4.9** | **9.5** | **0.4** | **0.012** |
| MINIMUM | | | | | | **10** | **24** | **2<** | **2<** | **0.5** | **7.0** | **0.2** | **0.006** |
| STD DEV | | | | | | **83** | **1332** | **2L** | **10L** | **8.5** | **1.8** | **0.2** | **0.024** |
| NO OF SAMPLES | | | | | | **10** | **11** | **11** | **11** | **12** | **12** | **11** | **12** |

(CONTD)

| TEST-NAME: | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 22 1105 | | .3 | 1 | 0.002 | 0.030 | 0.290 | 0.002 | 0.153 | 0.185 | 0.260 | 0.445 | 49.00 | 0.10 |
| 80 02 19 1010 | | .3 | 1 | 0.004 | 0.034 | 0.110 | 0.003 | 0.232 | 0.269 | 0.076 | 0.345 | 54.00 | 9.00 |
| 80 04 01 1000 | | .3 | 1 | 0.001< | 0.038 | 0.260 | 0.003 | 0.196 | 0.237 | 0.222 | 0.459 | 48.00 | 4.00 |
| 80 04 21 1120 | | 3 | 1 | 0.001 | 0.008 | 0.200 | 0.001 | 0.184 | 0.193 | 0.192 | 0.385 | 45.00 | 2.00 |
| 80 05 13 1025 | | .3 | 1 | 0.001< | 0.006 | 0.210 | 0.002 | 0.137 | 0.145 | 0.204 | 0.349 | 43.00 | 1.00 |
| 80 06 24 1030 | | .3 | 1 | 0.001 | 0.020 | 0.230 | 0.002 | 0.088 | 0.110 | 0.210 | 0.320 | 40.00 | 1.00 |
| 80 07 23 0940 | | .3 | 1 | 0.005 | 0.021 | 0.250 | 0.002 | 0.053 | 0.076 | 0.229 | 0.305 | 43.00 | 1.00 |
| 80 08 19 1005 | | .3 | 1 | 0.001 | 0.021 | 0.25 | 0.002 | 0.003 | 0.026 | 0.229 | 0.255 | 38 | 2 |
| 80 09 15 1020 | | .3 | 1 | 0.001< | 0.024 | 0.21 | 0.001 | 0.019 | 0.044 | 0.186 | 0.230 | 36 | 0.6 |
| 80 10 22 1235 | | .3 | 1 | 0.001 | 0.012 | 0.21 | 0.001 | 0.049 | 0.062 | 0.198 | 0.260 | 37 | 1 |
| 80 11 26 1110 | | .3 | 1 | 0.002 | 0.016 | 0.220 | 0.002 | 0.125 | 0.143 | 0.204 | 0.347 | 39.00 | 0.80 |
| 80 12 16 1115 | | .3 | 1 | 0.001 | 0.016 | 0.200 | 0.001 | 0.119 | 0.136 | 0.184 | 0.320 | 39.00 | 0.40 |
| MAXIMUM | | | | 0.005 | 0.038 | 0.290 | 0.003 | 0.232 | 0.269 | 0.260 | 0.459 | 54.00 | 9.00 |
| ARITH MEAN | | | | 0.002L | 0.020 | 0.22 | 0.002 | 0.113 | 0.136 | 0.199 | 0.335 | 42 | 1 |
| GEOM MEAN | | | | 0.001L | 0.018 | 0.21 | 0.002 | 0.075 | 0.112 | 0.193 | 0.328 | 42 | 1 |
| MINIMUM | | | | 0.001< | 0.006 | 0.110 | 0.001 | 0.003 | 0.026 | 0.076 | 0.230 | 36 | 0.10 |
| STD DEV | | | | 0.001L | 0.010 | 0.04 | 0.001 | 0.072 | 0.076 | 0.046 | 0.071 | 6 | 2 |
| NO OF SAMPLES | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | RSF | COND25 | CLIDUR | SSO4UR | ACDT | ALKT | PH | FWPH | ASUT | ALUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL |
| 80 01 22 1105 | | .3 | 1 | 49.000 | 75.0 | 2.350 | 11.500 | 2.670 | 21 | 7.09 | | | |
| 80 02 19 1010 | | .3 | 1 | 45.000 | 69.0 | 2.250 | 11.500 | 2.780 | 17.0 | 7.02 | 8.1 | | |
| 80 04 01 1000 | | .3 | 1 | 44.000 | 68.0 | 1.750 | 11.000 | 3.850 | 19.0 | 6.86 | 6.3 | | |
| 80 04 21 1120 | | .3 | 1 | 43.000 | 66.0 | 1.800 | 9.500 | 1.440 | 18.0 | 7.12 | 6.0 | | |
| 80 05 13 1025 | | .3 | 1 | 42.000 | 65.0 | 1.900 | 10.500 | 1.760 | 19.0 | 7.45 | 6.8 | | |
| 80 06 24 1030 | | .3 | 1 | 39.000 | 60.0 | 1.700 | 10.000 | 1.190 | 16.0 | 7.55 | 6.0 | | |
| 80 07 23 0940 | | .3 | 1 | 42.000 | 65.0 | 1.500 | 10.000 | 0.250 | 20.0 | 8.31 | 7.5 | | |
| 80 08 19 1005 | | .3 | 1 | 36 | 55 | 1.45 | 10.5 | | 15 | 7.45 | 6.9 | | |
| 80 09 15 1020 | | .3 | 1 | 35 | 54 | 1.30 | 10.0 | 1.52 | 14 | 7.10 | 6.4 | | |
| 80 10 22 1235 | | .3 | 1 | 36 | 56 | 1.50 | 10.0 | 1.50 | 15 | 7.23 | 6.7 | 0.001< | 0.010 |
| 80 11 26 1110 | | .3 | 1 | 38.000 | 59.0 | 1.400 | 9.500 | 1.720 | 16.0 | 7.18 | 6.7 | | |
| 80 12 16 1115 | | .3 | 1 | 39.000 | 60.0 | 1.550 | 10.000 | | 16.0 | 7.25 | | | |
| MAXIMUM | | | | 49.000 | 75.0 | 2.350 | 11.500 | 3.850 | 21 | 8.31 | 8.1 | 0.001 | 0.010 |
| ARITH MEAN | | | | 40 | 62 | 1.70 | 10.3 | 1.86 | 17 | 7.30 | 6.7 | 0.001L | 0.010 |
| GEOM MEAN | | | | 40 | 62 | 1.67 | 10.3 | 1.55 | 17 | 7.29 | 6.7 | | |
| MINIMUM | | | | 35 | 54 | 1.30 | 9.500 | 0.250 | 14 | 6.86 | 6.0 | 0.001< | 0.010 |
| STD DEV | | | | 4 | 6 | 0.32 | 0.6 | 0.99 | 2 | 0.37 | 0.7 | | |
| NO OF SAMPLES | | | | 12 | 12 | 12 | 12 | 10 | 12 | 12 | 10 | 1 | 1 |

| TEST-NAME: | | | | CRUT | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 10 22 1235 | | .3 | 1 | 0.002< | 0.001 | 0.003< | 0.0002< | 0.001 | 0.002< | 0.002< |
| MAXIMUM | | | | 0.002 | 0.001 | 0.003 | 0.0002 | 0.001 | 0.002 | 0.002 |
| ARITH MEAN | | | | 0.002L | 0.001 | 0.003L | 0.0002L | 0.001 | 0.002L | 0.002L |
| GEOM MEAN | | | | | | | | | | |
| MINIMUM | | | | 0.002< | 0.001 | 0.003< | 0.0002< | 0.001 | 0.002< | 0.002< |
| STD DEV | | | | | | | | | | |
| NO OF SAMPLES | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

B.O.W./ SITE: **GULL RIVER**
SAMPLE POINT: **AT HIGHWAY NO.35 UPSTR.FROM MINDEN**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-044-02**
STORET CODE: **02**
**004**
**1220**

LAT:
LONG:
U T M: **17 0680400.0 4978825.0 4**
REGION: **03**
DISTANCE: **307.[illegible]**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 22 1045 | | .3 | 1 | 20202 | 6 | 4< | 12 | 2 | 2< | 1.0 | 10.6 | 0.2 | 0.016 |
| 80 02 19 0945 | | .3 | 1 | 20209 | 6 | 16 | 24 | 2< | 2< | 2.0 | 10.6 | 0.2 | 0.003 |
| 80 04 01 0935 | | .3 | 1 | 20216 | 6 | 36 | 164 | 4< | 4< | 2.5 | 10.6 | 0.2 | 0.030 |
| 80 04 21 1100 | | .3 | 1 | 20223 | 6 3 | 32 | 100 | 2< | 2< | 5.0 | 9.6 | 0.4 | 0.017 |
| 80 05 13 1005 | | .3 | 1 | 20230 | 6 | 32 | 32 | 2 | 2 | 10.0 | 9.2 | 0.4 | 0.007 |
| 80 06 24 1005 | | .3 | 1 | 20237 | 6 | 16 | 76 | 2< | 2< | 17.0 | 8.2 | 0.2 | 0.006 |
| 80 07 23 0920 | | .3 | 1 | 20244 | 6 | | | | | 22.0 | 7.2 | 0.2 | 0.047 |
| 80 08 19 0945 | | .3 | 1 | 20251 | 6 | | 6600 | 12 | 4< | 22.0 | 6.8 | 0.6 | 0.008 |
| 80 09 15 1000 | | .3 | 1 | 20258 | 6 | 60I | 290 | 4< | 20 | 18.0 | 8.2 | | 0.006 |
| 80 10 22 1040 | | .3 | 1 | 20265 | 6 | 220 | 1500 | 4< | 60 | 9.0 | 9.6 | 0.8 | 0.011 |
| 80 11 26 1050 | | .3 | 1 | 20272 | 6 | 4< | 100 | 4 | 4< | 3.5 | 11.8 | | 0.008 |
| 80 12 16 1055 | | .3 | 1 | 20279 | 6 | 20 | 128 | 2 | 4 | 1.0 | 12.0 | 0.6 | 0.006 |
| MAXIMUM | | | | | | 220 | 6600 | 12 | 60 | 22.0 | 12.0 | 0.8 | 0.047 |
| ARITH MEAN | | | | | | 44L | 821 | 4L | 10L | 9.4 | 9.5 | 0.4 | 0.014 |
| GEOM MEAN | | | | | | 23L | 141 | 3L | 4L | 5.7 | 9.4 | 0.3 | 0.010 |
| MINIMUM | | | | | | 4< | 12 | 2< | 2< | 1.0 | 6.8 | 0.2 | 0.003 |
| STD DEV | | | | | | 64L | 1964 | 3L | 18L | 8.2 | 1.7 | 0.2 | 0.013 |
| NO OF SAMPLES | | | | | | 10 | 11 | 11 | 11 | 12 | 12 | 10 | 12 |

B.O.W./ SITE: **GULL RIVER**
SAMPLE POINT: **AT HIGHWAY NO.35 UPSTR.FROM MINDEN**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-044-02**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **17 0680400.0 4978825.0 4** REGION: **03** DISTANCE: **307.000**

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 22 1045 | | | .3 | 1 | 0.001< | 0.008 | 0.340 | 0.001 | 0.139 | 0.148 | 0.332 | 0.480 | 55.00 | 0.10< |
| 80 02 19 0945 | | | .3 | 1 | 0.001< | 0.018 | 0.190 | 0.004 | 0.166 | 0.188 | 0.172 | 0.360 | 40.00 | 0.60 |
| 80 04 01 0935 | | | .3 | 1 | 0.002 | 0.028 | 0.230 | 0.002 | 0.202 | 0.232 | 0.202 | 0.434 | 45.00 | 0.80 |
| 80 04 21 1100 | | | .3 | 1 | 0.001 | 0.012 | 0.160 | 0.001 | 0.174 | 0.187 | 0.148 | 0.335 | 44.00 | 1.00 |
| 80 05 13 1005 | | | .3 | 1 | 0.001< | 0.006 | 0.210 | 0.002 | 0.116 | 0.124 | 0.204 | 0.328 | 43.00 | 1.00 |
| 80 06 24 1005 | | | .3 | 1 | 0.001 | 0.022 | 0.200 | 0.002 | 0.073 | 0.097 | 0.178 | 0.275 | 40.00 | 1.00 |
| 80 07 23 0920 | | | .3 | 1 | 0.035 | 0.019 | 0.240 | 0.002 | 0.048 | 0.069 | 0.221 | 0.290 | 37.00 | 1.00 |
| 80 08 19 0945 | | | .3 | 1 | 0.007 | 0.027 | 0.23 | 0.002 | 0.003 | 0.032 | 0.203 | 0.235 | 37 | 1 |
| 80 09 15 1000 | | | .3 | 1 | 0.001< | 0.016 | 0.23 | 0.001< | 0.020 | 0.037 | 0.214 | 0.251 | 35 | 0.3 |
| 80 10 22 1040 | | | .3 | 1 | 0.001 | 0.012 | 0.21 | 0.001< | 0.070 | 0.083 | 0.198 | 0.281 | 37 | 0.7 |
| 80 11 26 1050 | | | .3 | 1 | 0.005 | 0.020 | 0.190 | 0.002 | 0.105 | 0.127 | 0.170 | 0.297 | 39.00 | 0.90 |
| 80 12 16 1055 | | | .3 | 1 | 0.005 | 0.012 | 0.220 | 0.001 | 0.114 | 0.127 | 0.208 | 0.335 | 38.00 | 0.10< |
| MAXIMUM | | | | | 0.035 | 0.028 | 0.340 | 0.004 | 0.202 | 0.232 | 0.332 | 0.480 | 55.00 | 1.00 |
| ARITH MEAN | | | | | 0.005L | 0.017 | 0.22 | 0.002L | 0.102 | 0.121 | 0.204 | 0.325 | 40 | 0 L |
| GEOM MEAN | | | | | 0.002L | 0.015 | 0.21 | 0.002L | 0.071 | 0.104 | 0.200 | 0.318 | 40 | 0 L |
| MINIMUM | | | | | 0.001< | 0.006 | 0.160 | 0.001< | 0.003 | 0.032 | 0.148 | 0.235 | 35 | 0.10< |
| STD DEV | | | | | 0.010L | 0.007 | 0.04 | 0.001L | 0.062 | 0.062 | 0.046 | 0.072 | 6 | 0 L |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | SSO4UR | ACDT | ALKT | PH | FWPH | ASUT | ALUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL |
| 80 01 22 1045 | | | .3 | 1 | 55.000 | 85.0 | 3.300 | 11.500 | 2.140 | 24 | 7.14 | | | |
| 80 02 19 0945 | | | .3 | 1 | 39.000 | 60.0 | 1.700 | 11.000 | 2.530 | 14.0 | 7.09 | 8.7 | | |
| 80 04 01 0935 | | | .3 | 1 | 44.000 | 68.0 | 1.650 | 10.000 | 2.710 | 19.0 | 7.03 | 6.3 | | |
| 80 04 21 1100 | | | .3 | 1 | 43.000 | 66.0 | 1.850 | 9.500 | 1.170 | 18.0 | 6.64 | 6.0 | | |
| 80 05 13 1005 | | | .3 | 1 | 42.000 | 65.0 | 1.700 | 10.500 | 1.490 | 16.0 | 7.47 | 6.8 | | |
| 80 06 24 1005 | | | .3 | 1 | 39.000 | 60.0 | 1.600 | 9.500 | 1.150 | 15.0 | 7.60 | 5.9 | | |
| 80 07 23 0920 | | | .3 | 1 | 36.000 | 65.0 | 1.500 | 10.000 | 1.400 | 15.0 | 7.53 | 8.2 | | |
| 80 08 19 0945 | | | .3 | 1 | 36 | 55 | 1.30 | 9.5 | | 16 | 7.52 | 7.05 | | |
| 80 09 15 1000 | | | .3 | 1 | | 54 | 1.25 | 9.5 | 1.19 | 14 | 7.15 | 5.2 | | |
| 80 10 22 1040 | | | .3 | 1 | 36 | 55 | 1.35 | 10.0 | 1.29 | 15 | 7.35 | 6.8 | 0.001< | 0.010 |
| 80 11 26 1050 | | | .3 | 1 | 38.000 | 59.0 | 1.300 | 9.000 | 1.450 | 15.0 | 7.29 | 6.6 | | |
| 80 12 16 1055 | | | .3 | 1 | 38.000 | 58.0 | 1.700 | 9.500 | | 22.0 | 7.27 | | | |
| MAXIMUM | | | | | 55.000 | 85.0 | 3.300 | 11.500 | 2.710 | 24 | 7.60 | 8.7 | 0.001 | 0.010 |
| ARITH MEAN | | | | | 40 | 62 | 1.68 | 9.9 | 1.65 | 16 | 7.28 | 6.7 | 0.001L | 0.010 |
| GEOM MEAN | | | | | 40 | 62 | 1.62 | 9.9 | 1.57 | 16 | 7.26 | 6.6 | | |
| MINIMUM | | | | | 36.000 | 54 | 1.25 | 9.000 | 1.150 | 14.0 | 6.64 | 5.2 | 0.001< | 0.010 |
| STD DEV | | | | | 5 | 8 | 0.64 | 0.7 | 0.58 | 3 | 0.27 | 1.0 | | |
| NO OF SAMPLES | | | | | 11 | 12 | 12 | 12 | 10 | 12 | 12 | 10 | 1 | 1 |

| TEST-NAME: | | | | | CRUT | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 10 22 1040 | | | .3 | 1 | 0.006 | 0.002 | 0.003< | 0.0002< | 0.004 | 0.002< | 0.002< |
| MAXIMUM | | | | | 0.006 | 0.002 | 0.003 | 0.0002 | 0.004 | 0.002 | 0.002 |
| ARITH MEAN | | | | | 0.006 | 0.002 | 0.003L | 0.0002L | 0.004 | 0.002L | 0.002L |
| GEOM MEAN | | | | | | | | | | | |
| MINIMUM | | | | | 0.006 | 0.002 | 0.003< | 0.0002< | 0.004 | 0.002< | 0.002< |
| STD DEV | | | | | | | | | | | |
| NO OF SAMPLES | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

B.O.W./ SITE: **TRENT RIVER**
SAMPLE POINT: **HIGHWAY 401 BRIDGE NEAR TRENTON.**
STATION TYPE: **RIVER FLOW GAUGE FED 02HK004**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-045-02**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **18 0292540.0 4889100.0 4** REGION: **04** DISTANCE: **3.862**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N |
| 80 04 01 1000 | | | .3 | 1 | 16306 | 3 6 | 484.000 | 2.5 | 13.0 | | 0.066 | 0.010 | 0.120 | 0.530 |
| 80 04 16 1103 | | | .3 | 1 | 16311 | 3 6 | 513.000 | 2.0 | 12.0 | 0.9 | 0.030 | 0.002 | 0.020 | 0.480 |
| 80 05 27 1030 | | | .3 | 1 | 16316 | 6 | 102.000 | 17.0 | 9.0 | | 0.026 | 0.004 | 0.040 | 0.480 |
| 80 06 25 1045 | | | .3 | 1 | 16321 | 5 | 154.000 | 21.0 | 7.0 | | 0.030 | 0.002< | 0.010< | 0.530 |
| 80 07 23 1000 | | | .3 | 1 | 16326 | 0 9 5 | 156.000 | 22.5 | 8.0 | 1.9 | 0.132 | 0.094 | 0.030 | |
| 80 08 26 1000 | | | .3 | 1 | 16331 | 8 5 | 22.200 | 23.0 | 7.0 | | 0.092 | 0.053 | 0.060 | 0.220 |
| 80 10 01 1010 | | | .3 | 1 | 16336 | 8 5 | 48.000 | 14.0 | 9.0 | | 0.040 | 0.002 | 0.090 | 0.650 |
| 80 10 28 1030 | | | .3 | 1 | 16341 | 8 5 | 181.000 | 4.0 | 10.0 | | 0.042 | 0.007 | 0.050 | 0.510 |
| 80 11 25 1030 | | | .3 | 1 | 16346 | 6 | 120.000 | 1.0 | 10.0 | | 0.012 | 0.002< | 0.010 | 0.360 |
| MAXIMUM | | | | | | | 513.000 | 23.0 | 13.0 | 1.9 | 0.132 | 0.094 | 0.120 | 0.650 |
| ARITH MEAN | | | | | | | 197.800 | 11.9 | 9.4 | 1.4 | 0.052 | 0.020L | 0.048L | 0.470 |
| GEOM MEAN | | | | | | | 134.182 | 7.2 | 9.2 | 1.3 | 0.042 | 0.007L | 0.036L | 0.451 |
| MINIMUM | | | | | | | 22.200 | 1.0 | 7.0 | 0.9 | 0.012 | 0.002< | 0.010< | 0.220 |
| STD DEV | | | | | | | 178.085 | 9.5 | 2.1 | 0.7 | 0.038 | 0.032L | 0.037L | 0.129 |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 2 | 9 | 9 | 9 | 8 |

(CONTD)

| TEST-NAME: | | | | | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 04 01 1000 | | | .3 | 1 | 0.012 | 0.410 | 0.542 | 0.410 | 0.952 | 200.0 | 5.50 | |
| 80 04 16 1103 | | | .3 | 1 | 0.004 | 0.280 | 0.304 | 0.460 | 0.764 | 210.0 | 3.70 | 5.500 |
| 80 05 27 1030 | | | .3 | 1 | 0.004 | 0.020< | 0.064 | 0.440 | 0.504 | 226.0 | 1.70 | |
| 80 06 25 1045 | | | .3 | 1 | 0.010 | 0.130 | 0.150 | 0.520 | 0.670 | 435.0 | 2.40 | |
| 80 07 23 1000 | | | .3 | 1 | 0.002 | 0.560 | 0.592 | | | 225.0 | 2.70 | 7.800 |
| 80 08 26 1000 | | | .3 | 1 | 0.002< | 0.020< | 0.082 | 0.160 | 0.242 | 230.0 | 2.00 | |
| 80 10 01 1010 | | | .3 | 1 | 0.004 | 0.020 | 0.114 | 0.560 | 0.674 | 225.0 | 2.70 | |
| 80 10 28 1030 | | | .3 | 1 | 0.052 | 0.150 | 0.252 | 0.460 | 0.712 | 235.0 | 2.00 | |
| 80 11 25 1030 | | | .3 | 1 | 0.002 | 0.080 | 0.092 | 0.350 | 0.442 | 220.0 | 1.40 | |
| MAXIMUM | | | | | 0.052 | 0.560 | 0.592 | 0.560 | 0.952 | 435.0 | 5.50 | 7.800 |
| ARITH MEAN | | | | | 0.010L | 0.186L | 0.244 | 0.420 | 0.620 | 245.1 | 2.68 | 6.650 |
| GEOM MEAN | | | | | 0.005L | 0.086L | 0.180 | 0.397 | 0.579 | 238.4 | 2.47 | 6.550 |
| MINIMUM | | | | | 0.002< | 0.020< | 0.064 | 0.160 | 0.242 | 200.0 | 1.40 | 5.500 |
| STD DEV | | | | | 0.016L | 0.183L | 0.200 | 0.123 | 0.218 | 72.0 | 1.25 | 1.626 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 2 |

B.O.W./ SITE: **COLD CREEK.**
SAMPLE POINT: **HIGHWAY 33 BRIDGE IN FRANKFORD**
STATION TYPE: **RIVER FLOW GAUGE MOE 02HK108**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-046-02**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **18 0292500.0 4897250.0 4** REGION: **04** DISTANCE: **12.070**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 04 01 1025 | | | .3 | 1 | 16307 | 3 6 | 3.0 | 11.0 | | 0.050 | 0.010 | 0.120 | 0.420 | 0.012 |
| 80 04 16 1130 | | | .3 | 1 | 16312 | 3 6 | 3.5 | 12.0 | 0.4 | 0.024 | 0.014 | 0.020 | 0.470 | 0.008 |
| 80 05 27 1050 | | | .3 | 1 | 16317 | 6 | 16.5 | 10.0 | | 0.052 | 0.008 | 0.050 | 0.620 | 0.016 |
| 80 06 25 1057 | | | .3 | 1 | 16322 | 6 | 23.0 | 9.0 | | 0.050 | 0.002< | 0.010< | 0.730 | 0.008 |
| 80 07 23 1016 | | | .3 | 1 | 16327 | 0 3 6 | 20.0 | 7.0 | 2.0 | 0.178 | 0.112 | 0.050 | | 0.020 |
| 80 08 26 1020 | | | .3 | 1 | 16332 | 7 | 21.0 | 8.0 | | 0.128 | 0.114 | 0.020 | 0.190 | 0.004 |
| 80 10 01 1035 | | | .3 | 1 | 16337 | 8 | 13.0 | 10.0 | | 0.016 | 0.002 | 0.040 | 0.250 | 0.004 |
| 80 10 28 1050 | | | .3 | 1 | 16342 | 3 8 | 4.0 | 9.0 | | 0.072 | 0.032 | 0.040 | 0.550 | 0.010 |
| 80 11 25 1050 | | | .3 | 1 | 16347 | 6 | 1.0 | 12.0 | | 0.018 | 0.004 | 0.010 | 0.250 | 0.004 |
| MAXIMUM | | | | | | | 23.0 | 12.0 | 2.0 | 0.178 | 0.114 | 0.120 | 0.730 | 0.020 |
| ARITH MEAN | | | | | | | 11.7 | 9.8 | 1.2 | 0.065 | 0.033L | 0.040L | 0.435 | 0.010 |
| GEOM MEAN | | | | | | | 7.8 | 9.6 | 0.9 | 0.048 | 0.012L | 0.030L | 0.394 | 0.008 |
| MINIMUM | | | | | | | 1.0 | 7.0 | 0.4 | 0.016 | 0.002< | 0.010< | 0.190 | 0.004 |
| STD DEV | | | | | | | 8.8 | 1.7 | 1.1 | 0.054 | 0.046L | 0.034L | 0.194 | 0.006 |
| NO OF SAMPLES | | | | | | | 9 | 9 | 2 | 9 | 9 | 9 | 8 | 9 |

| TEST-NAME: | | | | | NNO3FR | NNTIFR | NNKUR | NNKI | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 04 01 1025 | | | .3 | 1 | 0.690 | 0.822 | 0.300 | 1.122 | 335.0 | 5.10 | |
| 80 04 16 1130 | | | .3 | 1 | 0.830 | 0.858 | 0.450 | 1.308 | 375.0 | 4.20 | 7.800 |
| 80 05 27 1050 | | | .3 | 1 | 0.100 | 0.166 | 0.570 | 0.736 | 386.0 | 3.90 | |
| 80 06 25 1057 | | | .3 | 1 | 0.090 | 0.108 | 0.720 | 0.828 | 390.0 | 4.10 | |
| 80 07 23 1016 | | | .3 | 1 | 0.840 | 0.910 | | | 380.0 | 5.90 | 75.000 |
| 80 08 26 1020 | | | .3 | 1 | 0.060 | 0.084 | 0.170 | 0.254 | 400.0 | 1.10 | |
| 80 10 01 1035 | | | .3 | 1 | 0.040 | 0.084 | 0.210 | 0.294 | 400.0 | 1.20 | |
| 80 10 28 1050 | | | .3 | 1 | 0.470 | 0.520 | 0.510 | 1.030 | 405.0 | 3.00 | |
| 80 11 25 1050 | | | .3 | 1 | 0.560 | 0.574 | 0.240 | 0.814 | 440.0 | 1.60 | |
| MAXIMUM | | | | | 0.840 | 0.910 | 0.720 | 1.308 | 440.0 | 5.90 | 75.000 |
| ARITH MEAN | | | | | 0.409 | 0.468 | 0.396 | 0.798 | 390.1 | 3.34 | 41.400 |
| GEOM MEAN | | | | | 0.241 | 0.307 | 0.363 | 0.697 | 389.2 | 2.86 | 24.187 |
| MINIMUM | | | | | 0.040 | 0.084 | 0.170 | 0.254 | 335.0 | 1.10 | 7.800 |
| STD DEV | | | | | 0.340 | 0.354 | 0.197 | 0.373 | 28.0 | 1.73 | 47.518 |
| NO OF SAMPLES | | | | | 9 | 9 | 8 | 8 | 9 | 9 | 2 |

B.O.W./ SITE: **RAWDON CREEK**
SAMPLE POINT: **AT HWY.NO.33 SOUTH OF STIRLING**
STATION TYPE: **RIVER FLOW GAUGE MOE 02HK105**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-047-02**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **18 0296250.0 4906650.0 4** REGION: **04** DISTANCE: **24.783**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 04 01 1045 | | | .3 | 1 | 16308 | 3 6 | 3.0 | 11.0 | | 0.022 | 0.006 | 0.050 | 0.290 | 0.006 |
| 80 04 16 1145 | | | .3 | 1 | 16313 | 3 6 | 3.0 | 11.0 | 0.1< | 0.018 | 0.006 | 0.010 | 0.370 | 0.004 |
| 80 05 27 1115 | | | .3 | 1 | 16318 | 6 | 16.5 | 9.0 | | 0.030 | 0.008 | 0.050 | 0.500 | 0.010 |
| 80 06 25 1120 | | | .3 | 1 | 16323 | 8 6 | 25.5 | 9.0 | | 0.018 | 0.002< | 0.010 | 0.480 | 0.004 |
| 80 07 23 1040 | | | .3 | 1 | 16328 | 0 7 5 | 21.5 | 8.0 | 1.7 | 0.046 | 0.022 | 0.040 | | 0.010 |
| 80 08 26 1045 | | | .3 | 1 | 16333 | 7 | 21.5 | 5.0 | | 0.044 | 0.017 | 0.040 | 0.540 | 0.002 |
| 80 10 01 1100 | | | .3 | 1 | 16338 | 7 | 14.0 | 8.0 | | 0.022 | 0.004 | 0.050 | 0.430 | 0.002 |
| 80 10 28 1100 | | | .3 | 1 | 16343 | 8 | 4.0 | 9.0 | | 0.036 | 0.011 | 0.050 | 0.450 | 0.006 |
| 80 11 25 1115 | | | .3 | 1 | 16348 | 6 | 1.0 | 10.0 | | 0.030 | 0.002 | 0.020 | 0.360 | 0.004 |
| MAXIMUM | | | | | | | 25.5 | 11.0 | 1.7 | 0.046 | 0.022 | 0.050 | 0.540 | 0.010 |
| ARITH MEAN | | | | | | | 12.2 | 8.9 | 0.9L | 0.030 | 0.009L | 0.036 | 0.427 | 0.006 |
| GEOM MEAN | | | | | | | 7.7 | 8.7 | 0.4L | 0.028 | 0.006L | 0.030 | 0.420 | 0.005 |
| MINIMUM | | | | | | | 1.0 | 5.0 | 0.1< | 0.018 | 0.002< | 0.010 | 0.290 | 0.002 |
| STD DEV | | | | | | | 9.6 | 1.8 | 1.1L | 0.011 | 0.007L | 0.017 | 0.083 | 0.003 |
| NO OF SAMPLES | | | | | | | 9 | 9 | 2 | 9 | 9 | 9 | 8 | 9 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

STATION ID: **17-0021-047-02**

B.O.W./ SITE: **RAWDON CREEK**
SAMPLE POINT: **AT HWY.NO.33 SOUTH OF STIRLING**
STATION TYPE: **RIVER FLOW GAUGE MOE 02HK105**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **18 0296250.0 4906650.0 4** REGION: **04** DISTANCE: **24.760**

| TEST-NAME: | | | | NNO3FR | NNTIFR | NNKUR | NNKI | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 04 01 1045 | | .3 | 1 | 0.410 | 0.466 | 0.240 | 0.706 | 345.0 | 2.80 | 9.500 |
| 80 04 16 1145 | | .3 | 1 | 0.460 | 0.474 | 0.360 | 0.834 | 385.0 | 4.00 | |
| 80 05 27 1115 | | .3 | 1 | 0.190 | 0.250 | 0.450 | 0.700 | 430.0 | 2.30 | |
| 80 06 25 1120 | | .3 | 1 | 0.020< | 0.034 | 0.470 | 0.504 | 225.0 | 2.30 | |
| 80 07 23 1040 | | .3 | 1 | 0.580 | 0.630 | | | 445.0 | 1.60 | 8.000 |
| 80 08 26 1045 | | .3 | 1 | 0.020< | 0.062 | 0.500 | 0.562 | 445.0 | 1.10 | |
| 80 10 01 1100 | | .3 | 1 | 0.020< | 0.072 | 0.380 | 0.452 | 470.0 | 1.10 | |
| 80 10 28 1100 | | .3 | 1 | 0.270 | 0.326 | 0.400 | 0.726 | 460.0 | 1.70 | |
| 80 11 25 1115 | | .3 | 1 | 0.340 | 0.364 | 0.340 | 0.704 | 465.0 | 1.80 | |
| MAXIMUM | | | | **0.580** | **0.630** | **0.500** | **0.834** | **470.0** | **4.00** | **9.500** |
| ARITH MEAN | | | | **0.257L** | **0.298** | **0.392** | **0.648** | **407.8** | **2.08** | **8.750** |
| GEOM MEAN | | | | **0.135L** | **0.206** | **0.384** | **0.637** | **398.9** | **1.92** | **8.718** |
| MINIMUM | | | | **0.020<** | **0.034** | **0.240** | **0.452** | **225.0** | **1.10** | **8.000** |
| STD DEV | | | | **0.209L** | **0.210** | **0.083** | **0.129** | **79.8** | **0.91** | **1.061** |
| NO OF SAMPLES | | | | **9** | **9** | **8** | **8** | **9** | **9** | **2** |

STATION ID: **17-0021-048-02**

B.O.W./ SITE: **CROWE RIVER**
SAMPLE POINT: **CROWE BRIDGE NEAR HEALEY FALLS**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **18 0277999.0 4917250.0 4** REGION: **03** DISTANCE: **61.314**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 03 19 1305 | | .3 | 1 | 19007 | 6 | 1.0 | 12.0 | 0.010 | 0.002 | 0.050 | 0.060 | 0.004 | 0.160 |
| 80 04 22 1344 | | .3 | 1 | 19019 | 6 | 8.5 | 10.0 | 0.012 | 0.002< | 0.010 | 0.290 | 0.002 | 0.120 |
| 80 05 21 1337 | | .3 | 1 | 19029 | 6 | 17.0 | 10.0 | 0.012 | 0.002< | 0.020 | 0.780 | 0.002 | 0.040 |
| 80 06 23 1426 | | .3 | 1 | 19039 | 6 | 20.5 | 8.0 | 0.042 | 0.026 | 0.010< | 0.340 | 0.002 | 0.020 |
| 80 07 28 1353 | | .3 | 1 | 19049 | 6 | 24.0 | 7.0 | 0.020 | 0.002< | 0.010< | 0.300 | 0.002< | 0.020< |
| 80 09 02 1507 | | .3 | 1 | 19059 | 6 | 24.0 | 8.0 | 0.016 | 0.002< | 0.040 | 0.410 | 0.002< | 0.020 |
| 80 10 07 1338 | | .3 | 1 | 19069 | 6 | 13.5 | 8.0 | 0.010 | 0.002 | 0.010 | 0.450 | 0.004 | 0.020 |
| MAXIMUM | | | | | | **24.0** | **12.0** | **0.042** | **0.026** | **0.050** | **0.780** | **0.004** | **0.160** |
| ARITH MEAN | | | | | | **15.5** | **9.0** | **0.017** | **0.005L** | **0.021L** | **0.376** | **0.003L** | **0.057L** |
| GEOM MEAN | | | | | | **11.3** | **8.9** | **0.015** | **0.003L** | **0.017L** | **0.307** | **0.002L** | **0.038L** |
| MINIMUM | | | | | | **1.0** | **7.0** | **0.010** | **0.002<** | **0.010<** | **0.060** | **0.002<** | **0.020<** |
| STD DEV | | | | | | **8.5** | **1.7** | **0.011** | **0.009L** | **0.017L** | **0.218** | **0.001L** | **0.058L** |
| NO OF SAMPLES | | | | | | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** |

| TEST-NAME: | | | | NNTIFR | NNKUR | NNKI | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 03 19 1305 | | .3 | 1 | 0.214 | 0.010 | 0.224 | 190.0 | 0.65 |
| 80 04 22 1344 | | .3 | 1 | 0.132 | 0.280 | 0.412 | 150.0 | 0.71 |
| 80 05 21 1337 | | .3 | 1 | 0.062 | 0.760 | 0.822 | 170.0 | 0.69 |
| 80 06 23 1426 | | .3 | 1 | 0.032 | 0.330 | 0.362 | 140.0 | 1.30 |
| 80 07 28 1353 | | .3 | 1 | 0.032 | 0.290 | 0.322 | 170.0 | 0.89 |
| 80 09 02 1507 | | .3 | 1 | 0.062 | 0.370 | 0.432 | 170.0 | 0.40 |
| 80 10 07 1338 | | .3 | 1 | 0.034 | 0.440 | 0.474 | 180.0 | 0.40 |
| MAXIMUM | | | | **0.214** | **0.760** | **0.822** | **190.0** | **1.30** |
| ARITH MEAN | | | | **0.081** | **0.354** | **0.435** | **167.1** | **0.72** |
| GEOM MEAN | | | | **0.063** | **0.229** | **0.406** | **166.4** | **0.67** |
| MINIMUM | | | | **0.032** | **0.010** | **0.224** | **140.0** | **0.40** |
| STD DEV | | | | **0.068** | **0.224** | **0.189** | **17.0** | **0.31** |
| NO OF SAMPLES | | | | **7** | **7** | **7** | **7** | **7** |

STATION ID: **17-0021-052-02**

B.O.W./ SITE: **MISSISSAUGA RIVER**
SAMPLE POINT: **HIGHWAY 36 1 MILE NORTH OF BUCKHORN**
STATION TYPE: **RIVER FLOW GAUGE FED 02HH002**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **17 0711200.0 4937750.0 4** REGION: **03** DISTANCE: **197.822**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 21 1150 | | .3 | 1 | 21004 | 6 | 6.840 | 10< | 10 | 4< | 4< | 0.0 | 10.8 | 0.2 |
| 80 02 29 1005 | | .3 | 1 | 21054 | 6 | 0.181 | 164 | 520 | 4 | 6 | 0.0 | 10.1 | 0.2 |
| 80 03 26 1005 | | .3 | 1 | 21121 | 6 | 0.607 | 530 | | 4 | 8 | 0.2 | 12.9 | 0.4 |
| 80 04 24 1710 | | .3 | 1 | 21192 | 6 | 16.000 | 60I | 260 | 4< | 4 | 7.2 | 9.8 | 0.8 |
| 80 05 22 1850 | | .3 | 1 | 21263 | 6 | 2.230 | 204 | 2800 | 22 | 2 | 20.0 | 9.1 | 0.6 |
| 80 06 26 1045 | | .3 | 1 | 21328 | 6 | 2.210 | | | | | 22.5 | 7.8 | 0.8 |
| 80 07 09 1110 | | .3 | 1 | 21391 | 6 | 1.730 | 1500000> | 1500000 | 84 | 600> | 19.8 | 7.8 | 0.6 |
| 80 08 15 0930 | | .3 | 1 | 21453 | 6 | 1.420 | 136C | 1840 | 14 | 142 | 20.2 | 8.5 | 0.4 |
| 80 09 25 1918 | | .3 | 1 | 21515 | 6 | 5.460 | | | | | 12.8 | 9.6 | 1.1 |
| 80 10 08 1310 | | .3 | 1 | 21546 | 6 | 3.860 | 110 | 1200 | 12 | 244 | 9.9 | 8.7 | 0.2 |
| 80 11 25 1530 | | .3 | 1 | 21642 | 6 | 3.950 | 90I | 210 | 8 | 4 | 1.8 | 10.1 | 0.6 |
| 80 12 11 1100 | | .3 | 1 | 21704 | 6 | 4.910 | | | | | 0.0 | 12.2 | 0.2< |

(CONTD)

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| MAXIMUM | | | | | | | 16.000 | 1600000> | 1500000 | 84 | 600> | 22.6 | 12.9 | 1.1 |
| ARITH MEAN | | | | | | | 4.116 | 1666118 | 188355 | 17L | 1138 | 9.6 | 9.8 | 0.6L |
| GEOM MEAN | | | | | | | 2.600 | 3038 | 1129 | 10L | 178 | 4.4 | 9.7 | 0.4L |
| MINIMUM | | | | | | | 0.181 | 10< | 10 | 4< | 2< | 0.0 | 7.8 | 0.2< |
| STD DEV | | | | | | | 4.255 | 4999468 | 529985 | 26L | 2028 | 9.2 | 1.6 | 0.3L |
| NO OF SAMPLES | | | | | | | 12 | 9 | 8 | 9 | 9 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 21 1150 | | | .3 | 1 | 0.011 | 0.003 | 0.014 | 0.260 | 0.002 | 0.168 | 0.184 | 0.246 | 0.430 | 42.0 |
| 80 02 29 1005 | | | .3 | 1 | 0.007 | 0.001 | 0.140 | 0.470 | 0.004 | 0.136 | 0.280 | 0.330 | 0.610 | 91.0 |
| 80 03 26 1005 | | | .3 | 1 | 0.016 | 0.001 | 0.196 | 0.500 | 0.006 | 0.159 | 0.361 | 0.304 | 0.665 | 58.0 |
| 80 04 24 1710 | | | .3 | 1 | 0.006 | 0.001 | 0.010 | 0.230 | 0.002 | 0.168 | 0.180 | 0.220 | 0.400 | 41.0 |
| 80 05 22 1850 | | | .3 | 1 | 0.011 | 0.001< | 0.004 | 0.320 | 0.003 | 0.092 | 0.099 | 0.316 | 0.415 | 47.0 |
| 80 06 26 1045 | | | .3 | 1 | 0.013 | 0.001 | 0.028 | 0.330 | 0.002 | 0.078 | 0.108 | 0.302 | 0.410 | 48.0 |
| 80 07 09 1110 | | | .3 | 1 | 0.005 | 0.002 | 0.082 | 0.250 | 0.002 | 0.074 | 0.158 | 0.168 | 0.326 | 44.0 |
| 80 08 15 0930 | | | .3 | 1 | 0.001 | | 0.020 | 0.29 | | | | 0.270 | | 43 |
| 80 09 25 1918 | | | .3 | 1 | 0.004 | 0.001< | 0.048 | 0.31 | 0.001 | 0.059 | 0.108 | 0.262 | 0.370 | 37 |
| 80 10 08 1310 | | | .3 | 1 | 0.009 | 0.001< | 0.016 | 0.280 | 0.001 | 0.079 | 0.096 | 0.264 | 0.360 | 112.0 |
| 80 11 25 1530 | | | .3 | 1 | 0.004 | 0.001 | 0.020 | 0.280 | 0.001 | 0.160 | 0.181 | 0.260 | 0.441 | 41.0 |
| 80 12 11 1100 | | | .3 | 1 | 0.008 | 0.001< | 0.014 | 0.300 | 0.002 | 0.128 | 0.144 | 0.286 | 0.430 | 48.0 |
| MAXIMUM | | | | | 0.016 | 0.003 | 0.196 | 0.500 | 0.006 | 0.168 | 0.361 | 0.330 | 0.665 | 112.0 |
| ARITH MEAN | | | | | 0.008 | 0.001L | 0.049 | 0.31 | 0.002 | 0.118 | 0.173 | 0.269 | 0.442 | 54 |
| GEOM MEAN | | | | | 0.007 | 0.001L | 0.027 | 0.31 | 0.002 | 0.111 | 0.158 | 0.265 | 0.432 | 51 |
| MINIMUM | | | | | 0.001 | 0.001< | 0.004 | 0.230 | 0.001 | 0.059 | 0.096 | 0.168 | 0.326 | 37 |
| STD DEV | | | | | 0.004 | 0.001L | 0.060 | 0.08 | 0.002 | 0.043 | 0.082 | 0.045 | 0.103 | 23 |
| NO OF SAMPLES | | | | | 12 | 11 | 12 | 12 | 11 | 11 | 11 | 12 | 11 | 12 |

| TEST-NAME: | | | | | RSP | COND25 | TURB | CLIDUR | PH | FWPH | ASUT | HGUT | ALUT | CRUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR |
| 80 01 21 1150 | | | .3 | 1 | 0.4 | 64.0 | 0.60 | 0.950 | | 8.1 | | | | |
| 80 02 29 1005 | | | .3 | 1 | 0.1< | 140.0 | 1.10 | 1.700 | 7.07 | 6.6 | | | | |
| 80 03 26 1005 | | | .3 | 1 | 1.0 | 87.0 | 1.75 | 1.400 | 7.26 | 7.6 | | | | |
| 80 04 24 1710 | | | .3 | 1 | 1.0 | 61.0 | 0.45 | 1.250 | 7.22 | 7.7 | | | | |
| 80 05 22 1850 | | | .3 | 1 | 1.0 | 70.0 | 0.70 | 0.900 | 7.77 | 7.7 | | | | |
| 80 06 26 1045 | | | .3 | 1 | 2.0 | 70.0 | 1.20 | 0.800 | 7.28 | 7.5 | | | | |
| 80 07 09 1110 | | | .3 | 1 | 2.0 | 65.0 | 0.90 | 0.850 | 7.56 | 7.5 | 0.001< | 0.03 < | 0.04 | 0.02 < |
| 80 08 15 0930 | | | .3 | 1 | 4 | 60 | 0.70 | 0.90 | 7.65 | | | | | |
| 80 09 25 1918 | | | .3 | 1 | 1 | 56 | 0.56 | 0.90 | 7.15 | 8.2 | | | | |
| 80 10 08 1310 | | | .3 | 1 | 0.9 | 170.0 | 0.75 | 0.850 | 7.25 | 7.9 | 0.001< | 0.050 | 0.010 | 0.002 |
| 80 11 25 1530 | | | .3 | 1 | 1.0 | 62.0 | 0.40 | 1.250 | 7.27 | 7.5 | | | | |
| 80 12 11 1100 | | | .3 | 1 | 1.0 | 72.0 | 0.60 | 1.200 | 7.38 | 7.8 | | | | |
| MAXIMUM | | | | | 4 | 170.0 | 1.75 | 1.700 | 7.77 | 8.2 | 0.001 | 0.050 | 0.04 | 0.02 |
| ARITH MEAN | | | | | 1 L | 81 | 0.81 | 1.07 | 7.35 | 7.6 | 0.001L | 0.04 L | 0.02 | 0.01 L |
| GEOM MEAN | | | | | 1 L | 76 | 0.74 | 1.05 | 7.35 | 7.6 | 0.001L | 0.03 L | 0.02 | 0.00 L |
| MINIMUM | | | | | 0.1< | 56 | 0.40 | 0.800 | 7.07 | 6.6 | 0.001< | 0.03 < | 0.010 | 0.002< |
| STD DEV | | | | | 1 L | 35 | 0.38 | 0.27 | 0.22 | 0.4 | 0.000L | 0.01 L | 0.02 | 0.01 L |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 11 | 11 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 07 09 1110 | | | .3 | 1 | 0.03 | 0.03 < | 0.005 < | 0.01 | 0.09 | 0.02 < | 0.01 < |
| 80 10 08 1310 | | | .3 | 1 | 0.001< | 0.003< | 0.0002< | 0.009 | 0.002< | 0.002< | 0.010< |
| MAXIMUM | | | | | 0.03 | 0.03 | 0.005 | 0.01 | 0.09 | 0.02 | 0.010 |
| ARITH MEAN | | | | | 0.01 L | 0.01 L | 0.002 L | 0.00 | 0.04 L | 0.01 L | 0.01 L |
| GEOM MEAN | | | | | 0.00 L | 0.00 L | 0.001 L | 0.00 | 0.01 L | 0.00 L | 0.01 L |
| MINIMUM | | | | | 0.001< | 0.003< | 0.0002< | 0.009 | 0.002< | 0.002< | 0.01 < |
| STD DEV | | | | | 0.02 L | 0.01 L | 0.003 L | 0.00 | 0.06 L | 0.01 L | 0.00 L |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

B.O.W./ SITE: **BALSAM LAKE OUTLET**
SAMPLE POINT: **AT ROSEDALE DAM**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-054-02**
STORET CODE: **02**
**004**
**1220**

LAT:
LONG:
U T M: **17 0675800.0 4937775.0 4**
REGION: **03**
DISTANCE: **256.879**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 23 1330 | | | .3 | 1 | 21018 | 6 | 8 | 16 | 2< | 2< | 0.0 | 11.7 | 0.007 | 0.044 |
| 80 03 26 1300 | | | .3 | 1 | 21127 | 6 | 10< | 10 | 4< | 4< | 2.5 | 12.6 | 0.004 | 0.026 |
| 80 04 25 0850 | | | .3 | 1 | 21198 | 6 | 4< | 28 | 2< | 2< | 7.5 | 9.4 | 0.011 | 0.008 |
| 80 05 23 1300 | | | .3 | 1 | 21270 | 6 | 12 | 820 | 2 | 2< | 18.8 | 9.9 | 0.017 | 0.018 |
| 80 06 26 1325 | | | .3 | 1 | 21334 | 6 | | | | | 22.1 | 9.4 | 0.014 | 0.016 |
| 80 07 09 1340 | | | .3 | 1 | 21397 | 6 | 88 | 880 | 2 | 2 | 19.5 | 9.4 | 0.129 | 0.012 |
| 80 08 15 1200 | | | .3 | 1 | 21459 | 6 | 116C | 2400 | 2< | 56 | 20.5 | 9.8 | 0.002 | 0.018 |
| 80 09 26 1235 | | | .3 | 1 | 21521 | 6 | 200C | 6400 | 12 | 108 | 12.0 | 8.4 | 0.016 | 0.054 |
| 80 10 08 | | | .3 | 1 | 21552 | 8 | 270C | 2900 | 8 | 4< | | | 0.016 | 0.034 |
| 80 11 25 1300 | | | .3 | 1 | 21648 | 6 | 10I | 50 | 4< | 4< | 2.0 | 10.5 | 0.010 | 0.020 |
| 80 12 11 1340 | | | .3 | 1 | 21710 | 6 | | | | | 0.0 | 13.5 | 0.006 | 0.018 |

(CONTD)

B.O.W./ SITE: **BALSAM LAKE OUTLET**
SAMPLE POINT: **AT ROSEDALE DAM**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-054-02**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **17 0675800.0 4937775.0 4** REGION: **03** DISTANCE: **255.870**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| MAXIMUM | | | | | | | 270 | 6400 | 12 | 108 | 22.1 | 13.5 | 0.129 | 0.054 |
| ARITH MEAN | | | | | | | 80L | 1500 | 4L | 20L | 10.5 | 10.5 | 0.021 | 0.024 |
| GEOM MEAN | | | | | | | 30L | 268 | 3L | 6L | 6.1 | 10.4 | 0.011 | 0.021 |
| MINIMUM | | | | | | | 4< | 10 | 2< | 2< | 0.0 | 8.4 | 0.002 | 0.008 |
| STD DEV | | | | | | | 98L | 2131 | 4L | 37L | 9.1 | 1.6 | 0.036 | 0.014 |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 10 | 10 | 11 | 11 |

| TEST-NAME: | | | | | NNTKUR | NNKUR | COND25 | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | KJELDAHL ORGANIC UNF.REAC MG/L | CONDUCT. 25C UMHO/CM AT 25 C | PH | PH FIELD |
| 80 01 23 1330 | | | .3 | 1 | 0.340 | 0.296 | 185.0 | | 7.8 |
| 80 03 26 1300 | | | .3 | 1 | 0.200 | 0.174 | 86.0 | 7.42 | 7.6 |
| 80 04 25 0850 | | | .3 | 1 | 0.210 | 0.202 | 124.0 | 7.94 | 8.2 |
| 80 05 23 1300 | | | .3 | 1 | 0.350 | 0.332 | 120.0 | 7.92 | 8.2 |
| 80 06 26 1325 | | | .3 | 1 | 0.310 | 0.294 | 125 | 7.88 | 8.4 |
| 80 07 09 1340 | | | .3 | 1 | 0.260 | 0.248 | 110.0 | 8.03 | 8.4 |
| 80 08 15 1200 | | | .3 | 1 | 0.27 | 0.252 | 95 | 7.83 | |
| 80 09 26 1235 | | | .3 | 1 | 0.30 | 0.246 | 97 | 7.61 | 8.2 |
| 80 10 08 | | | .3 | 1 | 0.270 | 0.236 | 92.0 | 7.56 | |
| 80 11 25 1300 | | | .3 | 1 | 0.240 | 0.220 | 92.0 | 7.61 | 7.3 |
| 80 12 11 1340 | | | .3 | 1 | 0.220 | 0.202 | 96.0 | 7.68 | 7.3 |
| MAXIMUM | | | | | 0.350 | 0.332 | 185.0 | 8.03 | 8.4 |
| ARITH MEAN | | | | | 0.27 | 0.246 | 111 | 7.75 | 7.9 |
| GEOM MEAN | | | | | 0.26 | 0.242 | 108 | 7.75 | 7.9 |
| MINIMUM | | | | | 0.200 | 0.174 | 86.0 | 7.42 | 7.3 |
| STD DEV | | | | | 0.06 | 0.047 | 28 | 0.20 | 0.4 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 10 | 9 |

B.O.W./ SITE: **TRENT RIVER**
SAMPLE POINT: **AT HEALEY FALLS DAM**
STATION TYPE: **RIVER FLOW GAUGE FED 02HK002**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-057-02**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **18 0277995.0 4917250.0 4** REGION: **03** DISTANCE: **63.245**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 24 1225 | | | .3 | 1 | 21026 | 6 | 122.000 | 8 | 196 | 4 | 4 | 0.5 | 10.6 | 0.014 |
| 80 03 25 1143 | | | .3 | 1 | 21095 | 6 | 358.000 | 2300 | 21000 | 76 | 108 | 1.5 | 12.9 | 0.057 |
| 80 04 24 0740 | | | .3 | 1 | 21166 | 6 | 363.000 | 20I | 120 | 10< | 10< | 9.0 | 10.1 | 0.034 |
| 80 05 22 0750 | | | .3 | 1 | 21238 | 6 | 70.700 | 36 | 324 | 4< | 4 | 16.8 | 9.1 | 0.031 |
| 80 06 25 1020 | | | .3 | 1 | 21300 | 6 | 94.300 | 44 | 480 | 2< | 2< | 21.0 | 10.4 | 0.022 |
| 80 07 08 1100 | | | .3 | 1 | 21366 | 6 | 13.600 | | 4200 | 4< | 4< | 20.0 | 9.1 | 0.030 |
| 80 08 14 0810 | | | .3 | 1 | 21428 | 6 | 61.500 | | | | | 22.2 | 10.7 | 0.031 |
| 80 09 25 0825 | | | .3 | 1 | 21490 | 6 | 47.100 | | | | | 13.5 | 8.9 | 0.047 |
| 80 10 09 1445 | | | .3 | 1 | 21564 | 6 | 54.300 | | 3000 | 4< | 4< | 9.8 | 8.4 | 0.045 |
| 80 11 19 0950 | | | .3 | 1 | 21616 | 6 | 127.000 | 10< | 390 | 4< | 4< | 1.0 | 11.7 | 0.015 |
| 80 12 10 0950 | | | .3 | 1 | 21679 | 6 | 161.000 | | | | | 0.5 | 13.7 | 0.012 |
| MAXIMUM | | | | | | | 363.000 | 2300 | 21000 | 76 | 108 | 22.2 | 13.7 | 0.057 |
| ARITH MEAN | | | | | | | 133.864 | 403L | 3714 | 13L | 17L | 10.5 | 10.5 | 0.031 |
| GEOM MEAN | | | | | | | 93.227 | 42L | 886 | 6L | 6L | 6.2 | 10.4 | 0.027 |
| MINIMUM | | | | | | | 13.600 | 8< | 120 | 2< | 2< | 0.5 | 8.4 | 0.012 |
| STD DEV | | | | | | | 119.490 | 929L | 7150 | 25L | 37L | 8.7 | 1.7 | 0.015 |
| NO OF SAMPLES | | | | | | | 11 | 6 | 8 | 8 | 8 | 11 | 11 | 11 |

| TEST-NAME: | | | | | NNHTFR | NNTKUR | NNKUR | COND25 | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | KJELDAHL ORGANIC UNF.REAC MG/L | CONDUCT. 25C UMHO/CM AT 25 C | PH | PH FIELD |
| 80 01 24 1225 | | | .3 | 1 | 0.062 | 0.390 | 0.328 | 205.0 | | 7.9 |
| 80 03 25 1143 | | | .3 | 1 | 0.136 | 0.650 | 0.514 | 215.0 | 7.66 | 7.6 |
| 80 04 24 0740 | | | .3 | 1 | 0.018 | 0.470 | 0.452 | 210.0 | 7.88 | 8.1 |
| 80 05 22 0750 | | | .3 | 1 | 0.012 | 0.480 | 0.468 | 225.0 | 8.41 | 8.5 |
| 80 06 25 1020 | | | .3 | 1 | 0.014 | 0.510 | 0.496 | 205.0 | 8.54 | 8.4 |
| 80 07 08 1100 | | | .3 | 1 | 0.014 | 0.500 | 0.486 | 215.0 | 8.43 | 8.7 |
| 80 08 14 0810 | | | .3 | 1 | 0.164 | 0.660 | 0.496 | 220.0 | 8.15 | |
| 80 09 25 0825 | | | .3 | 1 | 0.200 | 0.720 | 0.520 | 220.0 | 7.88 | 8.7 |
| 80 10 09 1445 | | | .3 | 1 | 0.194 | 0.80 | 0.606 | 225 | 7.71 | 7.8 |
| 80 11 19 0950 | | | .3 | 1 | 0.020 | 0.450 | 0.430 | 210.0 | 7.96 | 8.3 |
| 80 12 10 0950 | | | .3 | 1 | 0.020 | 0.450 | 0.430 | 220.0 | 8.00 | 7.8 |
| MAXIMUM | | | | | 0.200 | 0.80 | 0.606 | 225.0 | 8.54 | 8.7 |
| ARITH MEAN | | | | | 0.078 | 0.55 | 0.475 | 215 | 8.06 | 8.2 |
| GEOM MEAN | | | | | 0.043 | 0.53 | 0.470 | 215 | 8.06 | 8.2 |
| MINIMUM | | | | | 0.012 | 0.390 | 0.328 | 205.0 | 7.66 | 7.6 |
| STD DEV | | | | | 0.079 | 0.13 | 0.088 | 7 | 0.31 | 0.4 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 10 | 10 |

B.O.W./ SITE: **FARREL CREEK**
SAMPLE POINT: **AT DYNO ROAD DNSTR.DYNO MINE 78-1**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-058-02**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **17 0728955.0 4980150.0 4** REGION: **03** DISTANCE: **349.763**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | RST | COND25 | TURB | SSO4UR | ACDT | PH | FEUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | RESIDUE TOTAL MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | PH | IRON UNF.TOT. MG/L AS FE | MANGANSE UNF.TOT. MG/L AS MN |
| 80 08 25 | | | .3 | 1 | 90001 | 8 | 210.00 | 297.0 | 1.10 | 105.000 | 6.370 | 7.00 | 0.200 | 0.210 |
| 80 10 07 | | | .3 | 1 | 90002 | 8 | 190.00 | 290.0 | 0.93 | 108.000 | 2.700 | 7.60 | 0.166 | 0.083 |
| MAXIMUM | | | | | | | 210.00 | 297.0 | 1.10 | 108.000 | 6.370 | 7.60 | 0.200 | 0.210 |
| ARITH MEAN | | | | | | | 200.00 | 293.5 | 1.01 | 106.500 | 4.535 | 7.30 | 0.183 | 0.146 |
| GEOM MEAN | | | | | | | 199.75 | 293.5 | 1.01 | 106.489 | 4.147 | 7.29 | 0.182 | 0.132 |
| MINIMUM | | | | | | | 190.00 | 290.0 | 0.93 | 105.000 | 2.700 | 7.00 | 0.166 | 0.083 |
| STD DEV | | | | | | | 14.14 | 4.9 | 0.12 | 2.121 | 2.596 | 0.42 | 0.024 | 0.090 |
| NO OF SAMPLES | | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | RA226F | GACF | GACP | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 08 25 | | | .3 | 1 | 4.000 | 8.000 | 18.000 | 6.000 | 5.000 | 10.000< |
| 80 10 07 | | | .3 | 1 | 5.000 | 18.000 | 4.000 | 12.000 | 1.000 | 10.000< |
| MAXIMUM | | | | | 5.000 | 18.000 | 18.000 | 12.000 | 5.000 | 10.000 |
| ARITH MEAN | | | | | 4.500 | 13.000 | 11.000 | 9.000 | 3.000 | 10.000L |
| GEOM MEAN | | | | | 4.472 | 12.000 | 8.485 | 8.485 | 2.236 | 10.000L |
| MINIMUM | | | | | 4.000 | 8.000 | 4.000 | 6.000 | 1.000 | 10.000< |
| STD DEV | | | | | 0.707 | 7.071 | 9.899 | 4.243 | 2.828 | 0.000L |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 2 |

B.O.W./ SITE: **PAUDASH LAKE**
SAMPLE POINT: **INLET BAY NEAR MOUTH OF DEER CREEK 75 1**
STATION TYPE: **LAKE**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-059-01**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **17 0734400.0 4985175.0 4** REGION: **03** DISTANCE: **182.334**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L |
| 80 08 25 | | | .3 | 1 | 90003 | 8 | 1.4 | 0.045 | 0.004 | 0.076 | 0.700 | 0.006 | 0.019 | 0.101 |
| 80 10 07 | | | .3 | 1 | 90004 | 8 | 0.6 | 0.060 | 0.001< | 0.052 | 0.520 | 0.008 | 0.027 | 0.087 |
| MAXIMUM | | | | | | | 1.4 | 0.060 | 0.004 | 0.076 | 0.700 | 0.008 | 0.027 | 0.101 |
| ARITH MEAN | | | | | | | 1.0 | 0.052 | 0.002L | 0.064 | 0.610 | 0.007 | 0.023 | 0.094 |
| GEOM MEAN | | | | | | | 0.9 | 0.052 | 0.002L | 0.063 | 0.603 | 0.007 | 0.023 | 0.094 |
| MINIMUM | | | | | | | 0.6 | 0.045 | 0.001< | 0.052 | 0.520 | 0.006 | 0.019 | 0.087 |
| STD DEV | | | | | | | 0.6 | 0.011 | 0.002L | 0.017 | 0.127 | 0.001 | 0.006 | 0.010 |
| NO OF SAMPLES | | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | NNKUR | NNKI | RST | RSP | COND25 | TURB | CLIDUR | ASUT | ALUT | CRUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR |
| 80 08 25 | | | .3 | 1 | 0.624 | 0.725 | 105.00 | 14.00 | 140.0 | 2.00 | 4.850 | | | |
| 80 10 07 | | | .3 | 1 | 0.468 | 0.555 | 98.00 | 2.00 | 147.0 | 1.50 | 6.000 | 0.001< | 0.008 | 0.006 |
| MAXIMUM | | | | | 0.624 | 0.725 | 105.00 | 14.00 | 147.0 | 2.00 | 6.000 | 0.001 | 0.008 | 0.006 |
| ARITH MEAN | | | | | 0.546 | 0.640 | 101.50 | 8.00 | 143.5 | 1.75 | 5.425 | 0.001L | 0.008 | 0.006 |
| GEOM MEAN | | | | | 0.540 | 0.634 | 101.44 | 5.29 | 143.5 | 1.73 | 5.394 | | | |
| MINIMUM | | | | | 0.468 | 0.555 | 98.00 | 2.00 | 140.0 | 1.50 | 4.850 | 0.001< | 0.008 | 0.006 |
| STD DEV | | | | | 0.110 | 0.120 | 4.95 | 8.49 | 4.9 | 0.35 | 0.813 | | | |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 |

| TEST-NAME: | | | | | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT | RA226F | GACF | GACP | GBCF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L |
| 80 08 25 | | | .3 | 1 | | | | | | | 1.000< | 1.000 | 1.000 | 2.000 |
| 80 10 07 | | | .3 | 1 | 0.001< | 0.003< | 0.0002< | 0.001< | 0.002< | 0.002< | 1.000< | 1.000 | 1.000< | 3.000 |
| MAXIMUM | | | | | 0.001 | 0.003 | 0.0002 | 0.001 | 0.002 | 0.002 | 1.000 | 1.000 | 1.000 | 3.000 |
| ARITH MEAN | | | | | 0.001L | 0.003L | 0.0002L | 0.001L | 0.002L | 0.002L | 1.000L | 1.000 | 1.000L | 2.500 |
| GEOM MEAN | | | | | | | | | | | 1.000L | 1.000 | 1.000L | 2.449 |
| MINIMUM | | | | | 0.001< | 0.003< | 0.0002< | 0.001< | 0.002< | 0.002< | 1.000< | 1.000 | 1.000< | 2.000 |
| STD DEV | | | | | | | | | | | 0.000L | 0.000 | 0.000L | 0.707 |
| NO OF SAMPLES | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | GBCP | UU238 |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 08 25 | | | .3 | 1 | 1.000 | 10.000< |
| 80 10 07 | | | .3 | 1 | 1.000< | 10.000< |
| MAXIMUM | | | | | 1.000 | 10.000 |
| ARITH MEAN | | | | | 1.000L | 10.000L |
| GEOM MEAN | | | | | 1.000L | 10.000L |
| MINIMUM | | | | | 1.000< | 10.000< |
| STD DEV | | | | | 0.000L | 0.000L |
| NO OF SAMPLES | | | | | 2 | 2 |

B.O.W./ SITE: **DEER CREEK**
SAMPLE POINT: **DNSTR.FROM BICROFT MINE TAILINGS 74 1**
STATION TYPE: **RIVER FLOW GAUGE MOE 02HK104**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-060-02**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **17 0733825.0 4985800.0 4** REGION: **03** DISTANCE: **183.138**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | RST | COND25 | TURB | SSO4UR | ACDT | PH | FEUT | ASUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | RESIDUE TOTAL MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | PH | IRON UNF.TOT. MG/L AS FE | ARSENIC UNF.TOT. MG/L AS AS |
| 80 08 25 | | | .3 | 1 | 90005 | 8 | 45.00 | 69.0 | 1.00 | 12.000 | 2.600 | 7.00 | 0.360 | |
| 80 10 07 | | | .3 | 1 | 90006 | 8 | 85.00 | 132.0 | 1.20 | 41.000 | 3.420 | 7.00 | 0.680 | 0.001< |
| MAXIMUM | | | | | | | 85.00 | 132.0 | 1.20 | 41.000 | 3.420 | 7.00 | 0.680 | 0.001 |
| ARITH MEAN | | | | | | | 65.00 | 100.5 | 1.10 | 26.500 | 3.010 | 7.00 | 0.520 | 0.001L |
| GEOM MEAN | | | | | | | 61.85 | 95.4 | 1.10 | 22.181 | 2.982 | 7.00 | 0.495 | |
| MINIMUM | | | | | | | 45.00 | 69.0 | 1.00 | 12.000 | 2.600 | 7.00 | 0.360 | 0.001< |
| STD DEV | | | | | | | 28.28 | 44.5 | 0.14 | 20.506 | 0.580 | 0.00 | 0.226 | |
| NO OF SAMPLES | | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |

| TEST-NAME: | | | | | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT | COUT | RA226F |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | RADIUM 226 FIL. PCI/L |
| 80 08 25 | | | .3 | 1 | | | | | | | 0.078 | | | 1.000 |
| 80 10 07 | | | .3 | 1 | 0.088 | 0.002< | 0.001< | 0.003< | 0.0002< | 0.002 | 0.162 | 0.002< | 0.002< | 4.000 |
| MAXIMUM | | | | | 0.088 | 0.002 | 0.001 | 0.003 | 0.0002 | 0.002 | 0.162 | 0.002 | 0.002 | 4.000 |
| ARITH MEAN | | | | | 0.088 | 0.002L | 0.001L | 0.003L | 0.0002L | 0.002 | 0.120 | 0.002L | 0.002L | 2.500 |
| GEOM MEAN | | | | | | | | | | | 0.112 | | | 2.000 |
| MINIMUM | | | | | 0.088 | 0.002< | 0.001< | 0.003< | 0.0002< | 0.002 | 0.078 | 0.002< | 0.002< | 1.000 |
| STD DEV | | | | | | | | | | | 0.059 | | | 2.121 |
| NO OF SAMPLES | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 |

| TEST-NAME: | | | | | GACF | GACP | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 08 25 | | | .3 | 1 | 2.000 | 5.000 | 3.000 | 1.000 | 10.000< |
| 80 10 07 | | | .3 | 1 | 11.000 | 2.000 | 10.000 | 1.000 | 10.000< |
| MAXIMUM | | | | | 11.000 | 5.000 | 10.000 | 1.000 | 10.000 |
| ARITH MEAN | | | | | 6.500 | 3.500 | 6.500 | 1.000 | 10.000L |
| GEOM MEAN | | | | | 4.690 | 3.162 | 5.477 | 1.000 | 10.000L |
| MINIMUM | | | | | 2.000 | 2.000 | 3.000 | 1.000 | 10.000< |
| STD DEV | | | | | 6.364 | 2.121 | 4.950 | 0.000 | 0.000L |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 |

B.O.W./ SITE: **CENTRE LAKE OUTLET**
SAMPLE POINT: **HWY.NO.121 WEST OF CARDIFF 73 1**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-061-02**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **17 0732100.0 4987550.0 4** REGION: **03** DISTANCE: **185.713**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | RST | COND25 | TURB | SSO4UR | ACDT | PH | FEUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | RESIDUE TOTAL MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | PH | IRON UNF.TOT. MG/L AS FE | MANGANSE UNF.TOT. MG/L AS MN |
| 80 08 25 | | | .3 | 1 | 90007 | 8 | 25.00 | 42.0 | 0.84 | 4.000 | 3.480 | 6.50 | 0.260 | 0.050 |
| 80 10 07 | | | .3 | 1 | 90008 | 8 | 30.00 | 47.0 | 1.20 | 8.000 | 3.040 | 6.90 | 0.660 | 0.114 |
| MAXIMUM | | | | | | | 30.00 | 47.0 | 1.20 | 8.000 | 3.480 | 6.90 | 0.660 | 0.114 |
| ARITH MEAN | | | | | | | 27.50 | 44.5 | 1.02 | 6.000 | 3.260 | 6.70 | 0.460 | 0.082 |
| GEOM MEAN | | | | | | | 27.39 | 44.4 | 1.00 | 5.657 | 3.253 | 6.70 | 0.414 | 0.075 |
| MINIMUM | | | | | | | 25.00 | 42.0 | 0.84 | 4.000 | 3.040 | 6.50 | 0.260 | 0.050 |
| STD DEV | | | | | | | 3.54 | 3.5 | 0.25 | 2.828 | 0.311 | 0.28 | 0.283 | 0.045 |
| NO OF SAMPLES | | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | RA226F | GACF | GACP | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 08 25 | | | .3 | 1 | 1.000< | 1.000< | 1.000< | 1.000 | 1.000< | 10.000< |
| 80 10 07 | | | .3 | 1 | 1.000< | 1.000< | 1.000< | 2.000 | 1.000< | 10.000< |
| MAXIMUM | | | | | 1.000 | 1.000 | 1.000 | 2.000 | 1.000 | 10.000 |
| ARITH MEAN | | | | | 1.000L | 1.000L | 1.000L | 1.500 | 1.000L | 10.000L |
| GEOM MEAN | | | | | 1.000L | 1.000L | 1.000L | 1.414 | 1.000L | 10.000L |
| MINIMUM | | | | | 1.000< | 1.000< | 1.000< | 1.000 | 1.000< | 10.000< |
| STD DEV | | | | | 0.000L | 0.000L | 0.000L | 0.707 | 0.000L | 0.000L |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 2 |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **BOW LAKE OUTLET**
SAMPLE POINT: **AT HWY.28 SOUTH-WEST OF BANCROFT 71 3**
STATION TYPE: **RIVER FLOW GAUGE MOE 02HK102**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-062-02**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **18 0268600.0 4987350.0 4** REGION: **04** DISTANCE: **185.301**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 03 19 1106 | | .3 | 1 | 19005 | 6 | 1.0 | 10.0 | 0.002 | 0.002< | 0.130 | 0.530 | 0.006 | 0.750 |
| 80 04 22 1100 | | .3 | 1 | 19015 | 6 | 8.0 | 10.0 | 0.006 | 0.002< | 0.060 | 0.320 | 0.004 | 0.560 |
| 80 05 12 1240 | | .3 | 1 | 15461 | | | | | | | | | |
| 80 05 21 1105 | | .3 | 1 | 19025 | 6 | 15.0 | 10.0 | 0.004 | 0.002< | 0.070 | 0.360 | 0.008 | 0.710 |
| 80 06 23 1118 | | .3 | 1 | 19035 | 6 | 17.5 | 8.0 | 0.054 | 0.044 | 0.050 | 0.300 | 0.010 | 0.230 |
| 80 07 28 1057 | | .3 | 1 | 19045 | 6 | 22.5 | 7.0 | 0.006 | 0.002< | 0.040 | 0.230 | 0.006 | 0.670 |
| 80 07 30 1150 | | .3 | 1 | 15501 | | | | | | | | | |
| 80 08 29 1125 | | .3 | 1 | 15533 | | | | | | | | | |
| 80 09 02 1127 | | .3 | 1 | 19055 | 6 | 22.5 | 9.0 | 0.008 | 0.002< | 0.040 | 0.300 | 0.006 | 0.720 |
| 80 10 07 1050 | | .3 | 1 | 19065 | 6 | 13.0 | 8.0 | 0.002< | 0.002< | 0.040 | 0.200 | 0.006 | 0.750 |
| MAXIMUM | | | | | | **22.5** | **10.0** | **0.054** | **0.044** | **0.130** | **0.530** | **0.010** | **0.750** |
| ARITH MEAN | | | | | | **14.2** | **8.9** | **0.012L** | **0.008L** | **0.061** | **0.320** | **0.007** | **0.627** |
| GEOM MEAN | | | | | | **10.5** | **8.8** | **0.006L** | **0.003L** | **0.056** | **0.306** | **0.006** | **0.580** |
| MINIMUM | | | | | | **1.0** | **7.0** | **0.002<** | **0.002<** | **0.040** | **0.200** | **0.004** | **0.230** |
| STD DEV | | | | | | **7.8** | **1.2** | **0.019L** | **0.016L** | **0.032** | **0.107** | **0.002** | **0.187** |
| NO OF SAMPLES | | | | | | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** |

| TEST-NAME: | | | | NNTIFR | NNKUR | NNKI | COND25 | TURB | RA226F | GACF | GACP | GBCF | GBCP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L |
| 80 03 19 1106 | | .3 | 1 | 0.886 | 0.400 | 1.286 | 820.0 | 1.60 | | | | | |
| 80 04 22 1100 | | .3 | 1 | 0.624 | 0.260 | 0.884 | 690.0 | 0.75 | | | | | |
| 80 05 12 1240 | | .3 | 1 | | | | | | 2.000 | 32.000 | 1.000< | 10.000 | 1.000< |
| 80 05 21 1105 | | .3 | 1 | 0.788 | 0.290 | 1.078 | 700.0 | 0.53 | | | | | |
| 80 06 23 1118 | | .3 | 1 | 0.290 | 0.250 | 0.540 | 240.0 | 1.40 | | | | | |
| 80 07 28 1057 | | .3 | 1 | 0.716 | 0.190 | 0.906 | 830.0 | 0.57 | | | | | |
| 80 07 30 1150 | | .3 | 1 | | | | | | 3.000 | 33.000 | 1.000< | 13.000 | 3.000 |
| 80 08 29 1125 | | .3 | 1 | | | | | | 3.000 | 33.000 | 1.000< | 14.000 | 2.000 |
| 80 09 02 1127 | | .3 | 1 | 0.766 | 0.260 | 1.026 | 880.0 | 0.60 | | | | | |
| 80 10 07 1050 | | .3 | 1 | 0.796 | 0.160 | 0.956 | 980.0 | 0.50 | | | | | |
| MAXIMUM | | | | **0.886** | **0.400** | **1.286** | **980.0** | **1.60** | **3.000** | **33.000** | **1.000** | **14.000** | **3.000** |
| ARITH MEAN | | | | **0.695** | **0.259** | **0.954** | **734.3** | **0.85** | **2.667** | **32.667** | **1.000L** | **12.333** | **2.000L** |
| GEOM MEAN | | | | **0.661** | **0.249** | **0.927** | **681.2** | **0.76** | **2.621** | **32.663** | **1.000L** | **12.209** | **1.817L** |
| MINIMUM | | | | **0.290** | **0.160** | **0.540** | **240.0** | **0.50** | **2.000** | **32.000** | **1.000<** | **10.000** | **1.000<** |
| STD DEV | | | | **0.196** | **0.077** | **0.227** | **240.0** | **0.45** | **0.577** | **0.577** | **0.000L** | **2.082** | **1.000L** |
| NO OF SAMPLES | | | | **7** | **7** | **7** | **7** | **7** | **3** | **3** | **3** | **3** | **3** |

| TEST-NAME: | | | | UU238 |
|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | URANIUM 238 UG/L |
| 80 05 12 1240 | | .3 | 1 | 23.000 |
| 80 07 30 1150 | | .3 | 1 | 23.000 |
| 80 08 29 1125 | | .3 | 1 | 23.000 |
| MAXIMUM | | | | **23.000** |
| ARITH MEAN | | | | **23.000** |
| GEOM MEAN | | | | **23.000** |
| MINIMUM | | | | **23.000** |
| STD DEV | | | | **0.000** |
| NO OF SAMPLES | | | | **3** |

B.O.W./ SITE: **CREEK TRIBUTARY TO BOW LAKE**
SAMPLE POINT: **DNSTR.OF FARADAY MINE TAILINGS 70 1**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-063-02**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **18 0269600.0 4989600.0 4** REGION: **04** DISTANCE: **188.288**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 03 19 1125 | | .3 | 1 | 19006 | 6 | 2.0 | 10.0 | 0.010< | 0.002< | 0.170 | 0.350 | 0.008 | 0.430 |
| 80 04 18 1150 | | .3 | 1 | 15440 | | | | | | | | | |
| 80 04 22 1113 | | .3 | 1 | 19016 | 9 | 9.0 | 8.0 | 0.014 | 0.002< | 0.030 | 0.230 | 0.004 | 0.140 |
| 80 05 12 1205 | | .3 | 1 | 15460 | | | | | | | | | |
| 80 05 21 1115 | | .3 | 1 | 19026 | 9 | 16.5 | 10.0 | 0.010 | 0.002< | 0.060 | 0.430 | 0.006 | 0.230 |
| 80 06 23 1135 | | .3 | 1 | 19036 | 9 | 22.0 | 9.0 | 0.102 | 0.082 | 0.030 | 0.330 | 0.004 | 0.200 |
| 80 06 27 1110 | | .3 | 1 | 15492 | | | | | | | | | |
| 80 07 28 1110 | | .3 | 1 | 19046 | 9 | 21.0 | 7.0 | 0.008 | 0.002< | 0.030 | 0.290 | 0.002 | 0.160 |
| 80 07 30 1140 | | .3 | 1 | 15498 | | | | | | | | | |
| 80 08 29 1115 | | .3 | 1 | 15530 | | | | | | | | | |
| 80 09 02 1205 | | .3 | 1 | 19057 | 9 | 23.0 | 10.0 | 0.012 | 0.004 | 0.040 | 0.300 | 0.002 | 0.140 |
| 80 09 15 1125 | | .3 | 1 | 15536 | | | | | | | | | |
| 80 10 07 1103 | | .3 | 1 | 19066 | 9 | 10.0 | 8.0 | 0.014 | 0.002 | 0.100 | 0.470 | 0.006 | 0.390 |
| MAXIMUM | | | | | | **23.0** | **10.0** | **0.102** | **0.082** | **0.170** | **0.470** | **0.008** | **0.430** |
| ARITH MEAN | | | | | | **14.8** | **8.9** | **0.024L** | **0.014L** | **0.066** | **0.343** | **0.005** | **0.241** |
| GEOM MEAN | | | | | | **11.8** | **8.8** | **0.016L** | **0.004L** | **0.053** | **0.334** | **0.004** | **0.219** |
| MINIMUM | | | | | | **2.0** | **7.0** | **0.008<** | **0.002<** | **0.030** | **0.230** | **0.002** | **0.140** |
| STD DEV | | | | | | **8.0** | **1.2** | **0.034L** | **0.030L** | **0.053** | **0.083** | **0.002** | **0.120** |
| NO OF SAMPLES | | | | | | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** |

(CONTD)

B.O.W./ SITE: **CREEK TRIBUTARY TO BOW LAKE**
SAMPLE POINT: **DNSTR.OF FARADAY MINE TAILINGS 70 1**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-063-02**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **18 0269600.0 4989600.0 4** REGION: **04** DISTANCE: **188.288**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NNTIFR ORG N TOTAL FIL.REAC MG/L | NNKUR KJELDAHL ORGANIC UNF.REAC MG/L | NNKI TOTAL N MG/L AS N | COND25 CONDUCT. 25C UMHO/CM AT 25 C | TURB TURB'ITY FTU | RA226F RADIUM 226 FIL. PCI/L | GACF GROSS ALPHA CT FILTERED PCI/L | GACP GROSS ALPHA CT UNDISSOL PCI/L | GBCF GROSS BETA CT FILTERED PCI/L | GBCP GROSS BETA CT UNDISSOL PCI/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 03 19 1125 | | | .3 | 1 | 0.608 | 0.180 | 0.788 | 730.0 | 1.20 | | | | | |
| 80 04 18 1150 | | | .3 | 1 | | | | | | 1.000< | | | | |
| 80 04 22 1113 | | | .3 | 1 | 0.174 | 0.200 | 0.374 | 350.0 | 0.87 | | | | | |
| 80 05 12 1205 | | | .3 | 1 | | | | | | 1.000 | 35.000 | 1.000 | 3.000 | 4.000 |
| 80 05 21 1115 | | | .3 | 1 | 0.296 | 0.370 | 0.666 | 640.0 | 1.80 | | | | | |
| 80 06 23 1135 | | | .3 | 1 | 0.234 | 0.300 | 0.534 | 790.0 | 1.60 | | | | | |
| 80 06 27 1110 | | | .3 | 1 | | | | | | 3.000 | | | | |
| 80 07 28 1110 | | | .3 | 1 | 0.192 | 0.260 | 0.452 | 760.0 | 1.10 | | | | | |
| 80 07 30 1140 | | | .3 | 1 | | | | | | 2.000 | 23.000 | 1.000< | 9.000 | 1.000< |
| 80 08 29 1115 | | | .3 | 1 | | | | | | 3.000 | 63.000 | 1.000 | 17.000 | 3.000 |
| 80 09 02 1205 | | | .3 | 1 | 0.182 | 0.260 | 0.442 | 940.0 | 1.30 | | | | | |
| 80 09 15 1125 | | | .3 | 1 | | | | | | 3.000 | 110.000 | 2.000 | 26.000 | 11.000 |
| 80 10 07 1103 | | | .3 | 1 | 0.496 | 0.370 | 0.866 | 1200.0 | 0.80 | | | | | |
| **MAXIMUM** | | | | | **0.608** | **0.370** | **0.866** | **1200.0** | **1.80** | **3.000** | **110.000** | **2.000** | **26.000** | **11.000** |
| **ARITH MEAN** | | | | | **0.312** | **0.277** | **0.589** | **772.9** | **1.24** | **2.167L** | **57.750** | **1.250L** | **13.750** | **4.750L** |
| **GEOM MEAN** | | | | | **0.278** | **0.268** | **0.564** | **730.3** | **1.19** | **1.944L** | **48.600** | **1.189L** | **10.452** | **3.390L** |
| **MINIMUM** | | | | | **0.174** | **0.180** | **0.374** | **350.0** | **0.80** | **1.000<** | **23.000** | **1.000<** | **3.000** | **1.000<** |
| **STD DEV** | | | | | **0.172** | **0.075** | **0.188** | **281.1** | **0.36** | **0.983L** | **38.656** | **0.500L** | **9.979** | **4.349L** |
| **NO OF SAMPLES** | | | | | 7 | 7 | 7 | 7 | 7 | **6** | **4** | **4** | **4** | **4** |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | UU238 URANIUM 238 UG/L |
|---|---|---|---|---|---|
| 80 05 12 1205 | | | .3 | 1 | 25.000 |
| 80 07 30 1140 | | | .3 | 1 | 16.000 |
| 80 08 29 1115 | | | .3 | 1 | 44.000 |
| 80 09 15 1125 | | | .3 | 1 | 75.000 |
| **MAXIMUM** | | | | | **75.000** |
| **ARITH MEAN** | | | | | **40.000** |
| **GEOM MEAN** | | | | | **33.896** |
| **MINIMUM** | | | | | **16.000** |
| **STD DEV** | | | | | **26.090** |
| **NO OF SAMPLES** | | | | | **4** |

B.O.W./ SITE: **CREEK OUTLET OF BENTLEY LAKE**
SAMPLE POINT: **UPSTR.OF FARADAY MINE TAILINGS 70 2**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-064-02**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **18 0270350.0 4989350.0 4** REGION: **04** DISTANCE: **188.576**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE SAMPLE NUMBER | FWSTRC STREAM COND. | FWTEMP WATER TEMP DEG.C | DO DISOLVED OXYGEN MG/L AS O | PPUT PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR PO4 FIL.REAC MG/L AS P | NNHTFR NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR NO2-N FIL.REAC MG/L AS N | NNO3FR NO3-N FIL.REAC MG/L AS N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 04 18 1135 | | | .3 | 1 | 15439 | | | | | | | | | |
| 80 04 22 1130 | | | .3 | 1 | 19017 | 6 | 9.5 | 10.0 | 0.006 | 0.002< | 0.030 | 0.270 | 0.006 | 0.180 |
| 80 05 12 1200 | | | .3 | 1 | 15459 | | | | | | | | | |
| 80 05 21 1121 | | | .3 | 1 | 19027 | 6 | 17.0 | 8.0 | 0.010 | 0.002< | 0.050 | 0.360 | 0.010 | 0.230 |
| 80 06 23 1150 | | | .3 | 1 | 19037 | 6 | 19.5 | 7.0 | 0.004 | 0.002 | 0.040 | 0.260 | 0.006 | 0.710 |
| 80 06 27 1100 | | | .3 | 1 | 15491 | | | | | | | | | |
| 80 07 28 1122 | | | .3 | 1 | 19047 | 6 | 23.0 | 5.0 | 0.008 | 0.002< | 0.040 | 0.210 | 0.006 | 0.170 |
| 80 07 30 1100 | | | .3 | 1 | 15497 | | | | | | | | | |
| 80 08 29 1100 | | | .3 | 1 | 15529 | | | | | | | | | |
| 80 09 02 1221 | | | .3 | 1 | 19058 | 6 | 22.0 | 9.0 | 0.012 | 0.002 | 0.050 | 0.320 | 0.002 | 0.100 |
| 80 09 15 1115 | | | .3 | 1 | 15535 | | | | | | | | | |
| 80 10 07 1117 | | | .3 | 1 | 19067 | 6 | 11.0 | 2.0 | 0.004 | 0.002< | 0.180 | 0.540 | 0.008 | 0.590 |
| **MAXIMUM** | | | | | | | **23.0** | **10.0** | **0.012** | **0.002** | **0.180** | **0.540** | **0.010** | **0.710** |
| **ARITH MEAN** | | | | | | | **17.0** | **6.8** | **0.007** | **0.002L** | **0.065** | **0.327** | **0.006** | **0.330** |
| **GEOM MEAN** | | | | | | | **16.1** | **6.1** | **0.007** | **0.002L** | **0.053** | **0.312** | **0.006** | **0.258** |
| **MINIMUM** | | | | | | | **9.5** | **2.0** | **0.004** | **0.002<** | **0.030** | **0.210** | **0.002** | **0.100** |
| **STD DEV** | | | | | | | **5.6** | **2.9** | **0.003** | **0.000L** | **0.057** | **0.117** | **0.003** | **0.264** |
| **NO OF SAMPLES** | | | | | | | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NNTIFR ORG N TOTAL FIL.REAC MG/L | NNKUR KJELDAHL ORGANIC UNF.REAC MG/L | NNKI TOTAL N MG/L AS N | COND25 CONDUCT. 25C UMHO/CM AT 25 C | TURB TURB'ITY FTU | RA226F RADIUM 226 FIL. PCI/L | GACF GROSS ALPHA CT FILTERED PCI/L | GACP GROSS ALPHA CT UNDISSOL PCI/L | GBCF GROSS BETA CT FILTERED PCI/L | GBCP GROSS BETA CT UNDISSOL PCI/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 04 18 1135 | | | .3 | 1 | | | | | | 1.000< | | | | |
| 80 04 22 1130 | | | .3 | 1 | 0.216 | 0.240 | 0.456 | 330.0 | 0.68 | | | | | |
| 80 05 12 1200 | | | .3 | 1 | | | | | | 1.000< | 1.000 | 1.000 | 3.000 | 1.000 |
| 80 05 21 1121 | | | .3 | 1 | 0.290 | 0.310 | 0.600 | 580.0 | 0.86 | | | | | |
| 80 06 23 1150 | | | .3 | 1 | 0.756 | 0.220 | 0.976 | 800.0 | 0.46 | | | | | |
| 80 06 27 1100 | | | .3 | 1 | | | | | | 1.000< | | | | |
| 80 07 28 1122 | | | .3 | 1 | 0.216 | 0.170 | 0.386 | 760.0 | 0.85 | | | | | |
| 80 07 30 1100 | | | .3 | 1 | | | | | | 1.000< | 1.000< | 1.000< | 3.000 | 1.000< |
| 80 08 29 1100 | | | .3 | 1 | | | | | | 1.000< | 8.000 | 1.000 | 10.000 | 1.000 |
| 80 09 02 1221 | | | .3 | 1 | 0.152 | 0.270 | 0.422 | 880.0 | 0.75 | | | | | |
| 80 09 15 1115 | | | .3 | 1 | | | | | | 1.000< | 5.000 | 1.000< | 7.000 | 1.000 |
| 80 10 07 1117 | | | .3 | 1 | 0.778 | 0.360 | 1.138 | 1300.0 | 1.20 | | | | | |
| **MAXIMUM** | | | | | **0.778** | **0.360** | **1.138** | **1300.0** | **1.20** | **1.000** | **8.000** | **1.000** | **10.000** | **1.000** |
| **ARITH MEAN** | | | | | **0.401** | **0.262** | **0.663** | **775.0** | **0.80** | **1.000L** | **3.750L** | **1.000L** | **5.750** | **1.000L** |
| **GEOM MEAN** | | | | | **0.328** | **0.254** | **0.606** | **714.6** | **0.77** | **1.000L** | **2.616L** | **1.000L** | **5.010** | **1.000L** |
| **MINIMUM** | | | | | **0.152** | **0.170** | **0.386** | **330.0** | **0.46** | **1.000<** | **1.000<** | **1.000<** | **3.000** | **1.000<** |
| **STD DEV** | | | | | **0.287** | **0.067** | **0.318** | **323.6** | **0.24** | **0.000L** | **3.403L** | **0.000L** | **3.403** | **0.000L** |
| **NO OF SAMPLES** | | | | | **6** | **6** | **6** | **6** | **6** | **6** | **4** | **4** | **4** | **4** |

(CONTD)

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | UU238<br>URANIUM 238 UG/L |
|---|---|---|---|---|---|
| 80 05 12 1200 | | | .3 | 1 | 10.000< |
| 80 07 30 1100 | | | .3 | 1 | 10.000< |
| 80 08 29 1100 | | | .3 | 1 | 10.000< |
| 80 09 15 1115 | | | .3 | 1 | 10.000< |
| MAXIMUM | | | | | 10.000 |
| ARITH MEAN | | | | | 10.000L |
| GEOM MEAN | | | | | 10.000L |
| MINIMUM | | | | | 10.000< |
| STD DEV | | | | | 0.000L |
| NO OF SAMPLES | | | | | 4 |

B.O.W./SITE: **OTONABEE RIVER**
SAMPLE POINT: **LOCK 25 LAKEFIELD**
STATION TYPE: **RIVER FLOW GAUGE FED 02HJ002**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-065-02**
STORET CODE: **02**
**004**
**1220**

LAT
LONG:
U T M: **17 0717900.0 4919875.0 4**
REGION: **03**
DISTANCE: **158.516**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE<br>SAMPLE NUMBER | FWSTRC<br>STREAM COND. | FWFLOW<br>STREAM FLOW M3 /S | TCMF<br>COLIFORM TOTAL MF CNT /100ML | TCMFBK<br>COLIFORM TOTAL MF BCKGRD CNT /100ML | FCMF<br>FECAL COLIFORM MF CNT /100ML | FSMF<br>FECAL STREPCUS MF CNT /100ML | FWTEMP<br>WATER TEMP DEG.C | DO<br>DISOLVED OXYGEN MG/L AS O | BOD5<br>BOD 5 DAY TOT.DEM. MG/L AS O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 21 1100 | | | .3 | 1 | 21001 | 4 | 134.000 | 120 | 330 | 4< | 4 | 0.5 | 10.3 | 0.4 |
| 80 02 29 0900 | | | .3 | 1 | 21051 | 6 | 34.000 | 200 | 450 | 28 | 2< | 0.0 | 11.2 | 0.2 |
| 80 03 26 0900 | | | .3 | 1 | 21118 | 6 | 180.000 | 1490C | 4700 | 28 | 24 | 1.0 | 12.4 | 0.4 |
| 80 04 24 1610 | | | .3 | 1 | 21189 | 6 3 | 304.000 | 20< | 80 | 4< | 4< | 8.0 | 11.6 | 0.8 |
| 80 05 22 1745 | | | .3 | 1 | 21260 | 6 | 48.000 | 252C | 2800 | 16 | 102 | 18.0 | 10.8 | 1.0 |
| 80 06 26 0910 | | | .3 | 1 | 21325 | 6 | 67.700 | | | | | 19.0 | 9.5 | 0.8 |
| 80 07 09 1000 | | | .3 | 1 | 21388 | 6 | 35.400 | 200C | 3000 | 8 | 36 | 19.2 | 9.2 | 1.0 |
| 80 08 15 0830 | | | .3 | 1 | 21450 | 6 | 50.900 | 120C | 4560 | 2 | 276 | 20.5 | 8.4 | 0.4 |
| 80 09 25 1818 | | | .3 | 1 | 21512 | 6 | 47.900 | | | | | 14.5 | 9.4 | 0.6 |
| 80 10 08 1430 | | | .3 | 1 | 21543 | 6 | 54.500 | 140 | 2400 | 4 | 12 | 11.8 | 10.2 | 0.8 |
| 80 11 25 1645 | | | .3 | 1 | 21639 | 6 | 88.700 | 290 | 530 | 12 | 4 | 2.0 | 9.8 | 0.2 |
| 80 12 11 0950 | | | .3 | 1 | 21701 | 6 | 145.000 | | | | | 0.0 | 11.8 | 0.8 |
| MAXIMUM | | | | | | | 304.000 | 1490 | 4700 | 28 | 276 | 20.5 | 12.4 | 1.0 |
| ARITH MEAN | | | | | | | 99.175 | 315L | 2094 | 12L | 62L | 9.5 | 10.4 | 0.6 |
| GEOM MEAN | | | | | | | 77.778 | 178L | 1118 | 8L | 18L | 4.9 | 10.3 | 0.5 |
| MINIMUM | | | | | | | 34.000 | 20< | 80 | 2< | 2< | 0.0 | 8.4 | 0.2 |
| STD DEV | | | | | | | 80.220 | 448L | 1824 | 10L | 90L | 8.5 | 1.2 | 0.3 |
| NO OF SAMPLES | | | | | | | 12 | 9 | 9 | 9 | 9 | 12 | 12 | 12 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PPUT<br>PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR<br>PO4 FIL.REAC MG/L AS P | NNHTFR<br>NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR<br>K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR<br>NO2-N FIL.REAC MG/L AS N | NNO3FR<br>NO3-N FIL.REAC MG/L AS N | NNTIFR<br>ORG N TOTAL FIL.REAC MG/L | NNKUR<br>KJELDAHL ORGANIC UNF.REAC MG/L | NNKI<br>TOTAL N MG/L AS N | RST<br>RESIDUE TOTAL MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 21 1100 | | | .3 | 1 | 0.007 | 0.001< | 0.026 | 0.490 | 0.003 | 0.022 | 0.051 | 0.464 | 0.515 | 305.0 |
| 80 02 29 0900 | | | .3 | 1 | 0.018 | 0.014 | 0.042 | 0.340 | 0.004 | 0.156 | 0.202 | 0.298 | 0.500 | 124.0 |
| 80 03 26 0900 | | | .3 | 1 | 0.016 | 0.002 | 0.088 | 0.480 | 0.007 | 0.243 | 0.338 | 0.392 | 0.730 | 129.0 |
| 80 04 24 1610 | | | .3 | 1 | 0.018 | 0.001< | 0.010 | 0.370 | 0.005 | 0.285 | 0.300 | 0.360 | 0.660 | 117.0 |
| 80 05 22 1745 | | | .3 | 1 | 0.025 | 0.001< | 0.042 | 0.460 | 0.006 | 0.094 | 0.142 | 0.418 | 0.560 | 132.0 |
| 80 06 26 0910 | | | .3 | 1 | 0.020 | 0.002 | 0.034 | 0.410 | 0.002 | 0.018 | 0.054 | 0.376 | 0.430 | 130.0 |
| 80 07 09 1000 | | | .3 | 1 | 0.021 | 0.002 | 0.038 | 0.370 | 0.002 | 0.022 | 0.062 | 0.332 | 0.394 | 133.0 |
| 80 08 15 0830 | | | .3 | 1 | 0.012 | 0.002 | 0.028 | 0.37 | 0.001 | 0.014 | 0.043 | 0.342 | 0.385 | 133 |
| 80 09 25 1818 | | | .3 | 1 | 0.017 | 0.006 | 0.042 | 0.39 | 0.001< | 0.005< | 0.048 | 0.348 | 0.396 | 122 |
| 80 10 08 1430 | | | .3 | 1 | 0.029 | 0.015 | 0.062 | 0.420 | 0.003 | 0.022 | 0.087 | 0.358 | 0.445 | 119.0 |
| 80 11 25 1645 | | | .3 | 1 | 0.430 | 0.050 | 0.068 | 0.073 | 0.002 | 0.050 | 0.120 | 0.005 | 0.125 | 123.0 |
| 80 12 11 0950 | | | .3 | 1 | 0.018 | 0.001 | 0.026 | 0.410 | 0.002 | 0.063 | 0.091 | 0.384 | 0.475 | 125.0 |
| MAXIMUM | | | | | 0.430 | 0.050 | 0.088 | 0.490 | 0.007 | 0.285 | 0.338 | 0.464 | 0.730 | 305.0 |
| ARITH MEAN | | | | | 0.053 | 0.008L | 0.042 | 0.38 | 0.003L | 0.083L | 0.128 | 0.340 | 0.468 | 141 |
| GEOM MEAN | | | | | 0.023 | 0.003L | 0.037 | 0.35 | 0.003L | 0.043L | 0.100 | 0.257 | 0.436 | 135 |
| MINIMUM | | | | | 0.007 | 0.001< | 0.010 | 0.073 | 0.001< | 0.005< | 0.043 | 0.005 | 0.125 | 117.0 |
| STD DEV | | | | | 0.119 | 0.014L | 0.021 | 0.10 | 0.002L | 0.095L | 0.101 | 0.114 | 0.152 | 51 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RSP<br>RESIDUE PARTIC. MG/L | RSF<br>RESIDUE FILTERED MG/L | COND25<br>CONDUCT. 25C UMHO/CM AT 25 C | CLIDUR<br>CHLORIDE UNF.REAC MG/L AS CL | PH<br>PH | FWPH<br>PH FIELD |
|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 21 1100 | | | .3 | 1 | 0.2 | | 480.0 | 7.250 | | 7.9 |
| 80 02 29 0900 | | | .3 | 1 | 0.1 | 124.000 | 190.0 | 4.650 | 7.58 | 7.1 |
| 80 03 26 0900 | | | .3 | 1 | 2.0 | 127.000 | 195.0 | 4.500 | 7.51 | 7.4 |
| 80 04 24 1610 | | | .3 | 1 | 3.0 | 114.000 | 175.0 | 4.850 | 7.96 | 8.0 |
| 80 05 22 1745 | | | .3 | 1 | 2.0 | 130.000 | 200.0 | 5.300 | 8.09 | 8.0 |
| 80 06 26 0910 | | | .3 | 1 | 3.0 | 127.000 | 195.0 | 5.000 | 7.87 | 8.1 |
| 80 07 09 1000 | | | .3 | 1 | 6.0 | 127.000 | 195.0 | 4.950 | 8.07 | 8.3 |
| 80 08 15 0830 | | | .3 | 1 | 6 | 127 | 195 | 4.95 | 7.78 | |
| 80 09 25 1818 | | | .3 | 1 | 2 | 120 | 185 | 4.60 | 8.04 | 8.8 |
| 80 10 08 1430 | | | .3 | 1 | 2.0 | 117.000 | 180.0 | 4.450 | 8.34 | 8.3 |
| 80 11 25 1645 | | | .3 | 1 | 3.0 | 120.000 | 185.0 | 5.550 | 7.79 | 7.8 |
| 80 12 11 0950 | | | .3 | 1 | 1.0 | 124.000 | 190.0 | 5.050 | 7.85 | 8.1 |
| MAXIMUM | | | | | 6.0 | 130.000 | 480.0 | 7.250 | 8.34 | 8.8 |
| ARITH MEAN | | | | | 2 | 123 | 213 | 5.09 | 7.90 | 8.0 |
| GEOM MEAN | | | | | 1 | 123 | 204 | 5.04 | 7.89 | 8.0 |
| MINIMUM | | | | | 0.1 | 114.000 | 175.0 | 4.450 | 7.51 | 7.1 |
| STD DEV | | | | | 1 | 4 | 84 | 0.75 | 0.24 | 0.6 |
| NO OF SAMPLES | | | | | 12 | 11 | 12 | 12 | 11 | 11 |

| | | | |
|---|---|---|---|
| B.O.W./ SITE: **OUSE RIVER**<br>SAMPLE POINT: **FIRST CONCESSION DOWNSTREAM FROM NORWOOD**<br>STATION TYPE: **RIVER** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE ONTARIO**<br>TERM STREAM: **TRENT RIVER** | STATION ID: **17-0021-066-02**<br>STORET CODE: **02**<br>**004**<br>**1220** | |
| LAT: LONG: | U T M: **18 0261800.0 4916875.0 4** | REGION: **03** | DISTANCE: **101.386** |

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 02 28 1400 | | .3 | 1 | 21041 | 4 | 224 | 600 | 16 | 12 | 0.0 | 12.1 | 0.2 | 0.074 |
| 80 03 25 1435 | | .3 | 1 | 21105 | 6 3 | 1000 | 14000 | 60 | 600> | 1.5 | 14.2 | 0.8 | 0.061 |
| 80 04 24 1130 | | .3 | 1 | 21176 | 6 | 392C | 960 | 34 | 20 | 9.5 | 9.8 | 0.4 | 0.017 |
| 80 05 22 1302 | | .3 | 1 | 21251 | 6 | 390C | 4300 | 16 | 28 | 17.2 | 9.7 | 1.2 | 0.031 |
| 80 06 25 1400 | | .3 | 1 | 21316 | 6 8 | 800C | 5800 | 152 | 68 | 22.8 | 10.2 | 0.6 | 0.066 |
| 80 07 08 1445 | | .3 | 1 | 21379 | 6 9 | 37000C | 390000 | 2100 | 2300 | 19.2 | 7.8 | 1.4 | 0.058 |
| 80 08 14 1315 | | .3 | 1 | 21441 | 6 | | | | | 19.8 | 11.2 | 0.8 | 0.030 |
| 80 09 25 1250 | | .3 | 1 | 21503 | 6 | | | | | 11.0 | 10.0 | 0.4 | 0.049 |
| 80 10 09 1000 | | .3 | 1 | 21577 | 6 | 4000 | 18500 | 430 | 140 | 7.0 | 8.2 | 0.8 | 0.047 |
| 80 11 19 1435 | | .3 | 1 | 21629 | 6 | 11300 | 140000 | 710 | 108 | 2.5 | 12.0 | 0.8 | 0.020 |
| 80 12 10 1415 | | .3 | 1 | 21692 | 6 8 | | | | | 1.2 | 13.6 | 0.3 | 0.019 |
| MAXIMUM | | | | | | **37000** | **390000** | **2100** | **2300>** | **22.8** | **14.2** | **1.4** | **0.074** |
| ARITH MEAN | | | | | | **6888** | **71770** | **440** | **409G** | **10.2** | **10.8** | **0.7** | **0.043** |
| GEOM MEAN | | | | | | **1613** | **10926** | **123** | **99G** | **6.2** | **10.6** | **0.6** | **0.038** |
| MINIMUM | | | | | | **224** | **600** | **16** | **12** | **0.0** | **7.8** | **0.2** | **0.017** |
| STD DEV | | | | | | **12734** | **136844** | **715** | **788G** | **8.4** | **2.0** | **0.4** | **0.020** |
| NO OF SAMPLES | | | | | | **8** | **8** | **8** | **8** | **11** | **11** | **11** | **11** |

| TEST-NAME: | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 02 28 1400 | | .3 | 1 | 0.004 | 0.038 | 0.420 | 0.007 | 0.990 | 1.035 | 0.382 | 1.417 | 355.0 | 30.0 |
| 80 03 25 1435 | | .3 | 1 | 0.026 | 0.134 | 0.670 | 0.013 | 0.537 | 0.684 | 0.536 | 1.220 | 156.0 | 6.0 |
| 80 04 24 1130 | | .3 | 1 | 0.003 | 0.014 | 0.350 | 0.003 | 0.247 | 0.264 | 0.336 | 0.600 | 245.0 | 8.0 |
| 80 05 22 1302 | | .3 | 1 | 0.005 | 0.010 | 0.540 | 0.007 | 0.318 | 0.335 | 0.530 | 0.865 | 264.0 | 7.0 |
| 80 06 25 1400 | | .3 | 1 | 0.013 | 0.012 | 0.630 | 0.006 | 0.539 | 0.557 | 0.618 | 1.175 | 274.0 | 17.0 |
| 80 07 08 1445 | | .3 | 1 | 0.001 | 0.002< | 0.72 | 0.013 | 0.827 | 0.842 | 0.718 | 1.560 | 284 | 14 |
| 80 08 14 1315 | | .3 | 1 | 0.013 | 0.064 | 0.680 | 0.018 | 0.930 | 1.012 | 0.616 | 1.628 | 302.0 | 4.0 |
| 80 09 25 1250 | | .3 | 1 | 0.039 | 0.046 | 0.57 | 0.012 | 1.44 | 1.498 | 0.524 | 2.022 | 304 | 3 |
| 80 10 09 1000 | | .3 | 1 | 0.017 | 0.056 | 0.78 | 0.033 | 1.52 | 1.609 | 0.724 | 2.333 | 311 | 6 |
| 80 11 19 1435 | | .3 | 1 | 0.020 | 0.006 | 0.520 | 0.019 | 0.681 | 0.706 | 0.514 | 1.220 | 301.0 | 2.0 |
| 80 12 10 1415 | | .3 | 1 | 0.007 | 0.018 | 0.540 | 0.004 | 0.516 | 0.538 | 0.522 | 1.060 | 288.0 | 4.0 |
| MAXIMUM | | | | **0.039** | **0.134** | **0.78** | **0.033** | **1.52** | **1.609** | **0.724** | **2.333** | **355.0** | **30.0** |
| ARITH MEAN | | | | **0.013** | **0.036L** | **0.58** | **0.012** | **0.77** | **0.825** | **0.547** | **1.373** | **280** | **9** |
| GEOM MEAN | | | | **0.009** | **0.021L** | **0.57** | **0.010** | **0.67** | **0.721** | **0.534** | **1.289** | **276** | **6** |
| MINIMUM | | | | **0.001** | **0.002<** | **0.350** | **0.003** | **0.247** | **0.264** | **0.336** | **0.600** | **156.0** | **2.0** |
| STD DEV | | | | **0.012** | **0.039L** | **0.12** | **0.009** | **0.41** | **0.436** | **0.120** | **0.498** | **50** | **8** |
| NO OF SAMPLES | | | | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** |

| TEST-NAME: | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 02 28 1400 | | .3 | 1 | 325.0 | 520.0 | 2.90 | 11.500 | 7.95 | 7.5 |
| 80 03 25 1435 | | .3 | 1 | 150.000 | 230.0 | 4.75 | 6.300 | 7.70 | |
| 80 04 24 1130 | | .3 | 1 | 237.000 | 365.0 | | 5.050 | 7.98 | |
| 80 05 22 1302 | | .3 | 1 | 257.000 | 395.0 | | 6.500 | 8.00 | 8.1 |
| 80 06 25 1400 | | .3 | 1 | 257.000 | 390.0 | | 7.550 | 8.32 | 8.2 |
| 80 07 08 1445 | | .3 | 1 | 270 | 415 | | 13.5 | 7.99 | 8.4 |
| 80 08 14 1315 | | .3 | 1 | 298.0 | 460.0 | | 12.000 | 8.03 | |
| 80 09 25 1250 | | .3 | 1 | 301 | 485 | | 20.5 | 8.21 | 8.6 |
| 80 10 09 1000 | | .3 | 1 | 305 | 495 | 2.3 | 21.0 | 7.91 | 7.5 |
| 80 11 19 1435 | | .3 | 1 | 299.0 | 460.0 | | 12.500 | 8.04 | 8.2 |
| 80 12 10 1415 | | .3 | 1 | 284.0 | 440.0 | | 12.000 | 7.91 | 7.7 |
| MAXIMUM | | | | **325.0** | **520.0** | **4.75** | **21.0** | **8.32** | **8.6** |
| ARITH MEAN | | | | **271** | **423** | **3.3** | **11.6** | **8.00** | **8.0** |
| GEOM MEAN | | | | **266** | **414** | **3.1** | **10.5** | **8.00** | **8.0** |
| MINIMUM | | | | **150.000** | **230.0** | **2.3** | **5.050** | **7.70** | **7.5** |
| STD DEV | | | | **47** | **80** | **1.2** | **5.3** | **0.16** | **0.4** |
| NO OF SAMPLES | | | | **11** | **11** | **3** | **11** | **11** | **8** |

B.O.W./ SITE: **TRENT RIVER**
SAMPLE POINT: **BRIDGE STREET BRIDGE HASTINGS**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-067-02**
STORET CODE: **02**
**004**
**1[illegible]**

LAT: LONG: U T M: **18 0264175.0 4910125.0 4** REGION: **03** DISTANCE: **01.100**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 02 28 1430 | | | .3 | 1 | 21043 | 6 | 10< | 50 | 4< | 12 | 0.0 | 12.8 | 0.4 | 0.018 |
| 80 03 25 1500 | | | .3 | 1 | 21107 | 6 3 | 2400 | 26000 | 52 | 600 | 1.5 | 13.3 | 0.8 | 0.038 |
| 80 04 24 1205 | | | .3 | 1 | 21178 | 6 3 | 8 | 68 | 2< | 2< | 9.0 | 10.5 | 1.2 | 0.027 |
| 80 05 22 1345 | | | .3 | 1 | 21248 | 6 | 100 | 516 | 2< | 2< | 17.0 | 9.7 | 1.2 | 0.029 |
| 80 06 25 1445 | | | .3 | 1 | 21313 | 6 | 64 | 840 | 10 | 12 | 21.5 | 9.9 | 1.2 | 0.026 |
| 80 07 08 1515 | | | .3 | 1 | 21376 | 6 | 230 | 2500 | 4 | 4 | 21.0 | 9.1 | 1.0 | 0.029 |
| 80 08 14 1345 | | | .3 | 1 | 21438 | 6 | | | | | 22.0 | 12.0 | 1.0 | 0.033 |
| 80 09 25 1330 | | | .3 | 1 | 21500 | 6 | | | | | 14.0 | 8.3 | 1.5 | 0.055 |
| 80 10 09 0925 | | | .3 | 1 | 21574 | 6 | 270 | 1350 | 4 | 28 | 9.5 | 9.2 | 3.0 | 0.058 |
| 80 11 19 1505 | | | .3 | 1 | 21626 | 6 | 10< | 10 | 4< | 4< | 1.5 | 12.5 | 0.8 | 0.017 |
| 80 12 10 1435 | | | .3 | 1 | 21689 | 6 | | | | | 0.8 | 14.2 | 0.2< | 0.016 |
| MAXIMUM | | | | | | | 2400 | 26000 | 52 | 600 | 22.0 | 14.2 | 3.0 | 0.058 |
| ARITH MEAN | | | | | | | 386L | 3917 | 10L | 83L | 10.7 | 11.0 | 1.1L | 0.031 |
| GEOM MEAN | | | | | | | 72L | 436 | 5L | 11L | 6.0 | 10.9 | 0.9L | 0.029 |
| MINIMUM | | | | | | | 8< | 10 | 2< | 2< | 0.0 | 8.3 | 0.2< | 0.016 |
| STD DEV | | | | | | | 820L | 8963 | 17L | 209L | 8.9 | 2.0 | 0.7L | 0.014 |
| NO OF SAMPLES | | | | | | | 8 | 8 | 8 | 8 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 02 28 1430 | | | .3 | 1 | 0.005 | 0.056 | 0.420 | 0.006 | 0.204 | 0.266 | 0.364 | 0.630 | 148.0 | 2.0 |
| 80 03 25 1500 | | | .3 | 1 | 0.005 | 0.152 | 0.770 | 0.009 | 0.331 | 0.492 | 0.618 | 1.110 | 150.0 | 7.0 |
| 80 04 24 1205 | | | .3 | 1 | 0.001 | 0.012 | 0.480 | 0.006 | 0.254 | 0.272 | 0.468 | 0.740 | 143.0 | 10.0 |
| 80 05 22 1345 | | | .3 | 1 | 0.001 | 0.012 | 0.480 | 0.003 | 0.012 | 0.027 | 0.468 | 0.495 | 146.0 | 3.0 |
| 80 06 25 1445 | | | .3 | 1 | 0.001< | 0.006 | 0.490 | 0.001 | 0.004 | 0.011 | 0.484 | 0.495 | 130.0 | 1.0< |
| 80 07 08 1515 | | | .3 | 1 | 0.001 | 0.006 | 0.53 | 0.002 | 0.005< | 0.013 | 0.524 | 0.537 | 141 | 4 |
| 80 08 14 1345 | | | .3 | 1 | 0.002 | 0.168 | 0.710 | 0.001 | 0.005< | 0.174 | 0.542 | 0.716 | 152.0 | 6.0 |
| 80 09 25 1330 | | | .3 | 1 | 0.006 | 0.186 | 0.840 | 0.001< | 0.010 | 0.197 | 0.654 | 0.851 | 148.0 | 8.0 |
| 80 10 09 0925 | | | .3 | 1 | 0.016 | 0.264 | 0.95 | 0.006 | 0.019 | 0.289 | 0.686 | 0.975 | 151 | 8 |
| 80 11 19 1505 | | | .3 | 1 | 0.002 | 0.016 | 0.460 | 0.003 | 0.037 | 0.056 | 0.444 | 0.500 | 137.0 | 4.0 |
| 80 12 10 1435 | | | .3 | 1 | 0.001 | 0.012 | 0.440 | 0.003 | 0.097 | 0.112 | 0.428 | 0.540 | 143.0 | 3.0 |
| MAXIMUM | | | | | 0.016 | 0.264 | 0.95 | 0.009 | 0.331 | 0.492 | 0.686 | 1.110 | 152.0 | 10.0 |
| ARITH MEAN | | | | | 0.004L | 0.081 | 0.59 | 0.004L | 0.089L | 0.174 | 0.516 | 0.690 | 144 | 5 L |
| GEOM MEAN | | | | | 0.002L | 0.034 | 0.57 | 0.003L | 0.029L | 0.099 | 0.508 | 0.663 | 144 | 4 L |
| MINIMUM | | | | | 0.001< | 0.006 | 0.420 | 0.001< | 0.004< | 0.011 | 0.364 | 0.495 | 130.0 | 1.0< |
| STD DEV | | | | | 0.004L | 0.094 | 0.18 | 0.003L | 0.118L | 0.150 | 0.100 | 0.212 | 6 | 2 L |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 02 28 1430 | | | .3 | 1 | 146.000 | 224.0 | | 5.850 | 7.83 | 7.4 |
| 80 03 25 1500 | | | .3 | 1 | 143.000 | 220.0 | | 6.750 | 7.58 | |
| 80 04 24 1205 | | | .3 | 1 | 133.000 | 205.0 | 2.60 | 6.000 | 8.19 | 8.2 |
| 80 05 22 1345 | | | .3 | 1 | 143.000 | 220.0 | 1.70 | 6.150 | 8.50 | 8.4 |
| 80 06 25 1445 | | | .3 | 1 | 130.000 | 200.0 | | 6.550 | 8.44 | 8.5 |
| 80 07 08 1515 | | | .3 | 1 | 137 | 210 | 1.9 | 6.90 | 8.38 | 8.7 |
| 80 08 14 1345 | | | .3 | 1 | 146.000 | 225.0 | | 6.400 | 8.27 | |
| 80 09 25 1330 | | | .3 | 1 | 140.000 | 215.0 | 3.30 | 6.200 | 7.86 | 9.3 |
| 80 10 09 0925 | | | .3 | 1 | 143 | 220 | | 6.20 | 7.69 | 7.7 |
| 80 11 19 1505 | | | .3 | 1 | 133.000 | 205.0 | 1.20 | 5.500 | 7.98 | 8.4 |
| 80 12 10 1435 | | | .3 | 1 | 140.000 | 215.0 | | 6.750 | 8.07 | 8.0 |
| MAXIMUM | | | | | 146.000 | 225.0 | 3.30 | 6.90 | 8.50 | 9.3 |
| ARITH MEAN | | | | | 139 | 214 | 2.1 | 6.29 | 8.07 | 8.3 |
| GEOM MEAN | | | | | 139 | 214 | 2.0 | 6.28 | 8.07 | 8.3 |
| MINIMUM | | | | | 130.000 | 200.0 | 1.20 | 5.500 | 7.58 | 7.4 |
| STD DEV | | | | | 5 | 8 | 0.8 | 0.42 | 0.31 | 0.6 |
| NO OF SAMPLES | | | | | 11 | 11 | 5 | 11 | 11 | 9 |

B.O.W./SITE: **TRENT RIVER**
SAMPLE POINT: **NEW HIGHWAY 2 BRIDGE TRENTON**
STATION TYPE: **RIVER C FLOW GAUGE FED 02HK004**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-068-83**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **18 0293600.0 4886625.0 4** REGION: **04** DISTANCE: **0.805**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P |
| 80 03 24 1030 | | .3 | 1 | 38000 | | 577.000 | | | | | | 0.110 | 0.031 |
| 80 03 25 1015 | | .3 | 1 | 38001 | | 595.000 | | | | | | 0.110 | 0.030 |
| 80 03 26 1020 | | .3 | 1 | 38002 | | 559.000 | | | | | | 0.087 | 0.015 |
| 80 03 27 1100 | | .3 | 1 | 38003 | 2 3 0 | 547.000 | | | | | | 0.280 | 0.006 |
| 80 03 28 1050 | | .3 | 1 | 38004 | | 541.000 | | | | | | 0.059 | 0.011 |
| 80 03 31 1045 | | .3 | 1 | 38005 | | 493.000 | | | | | | 0.065 | 0.009 |
| 80 04 01 0930 | | .3 | 1 | 16305 | 3 6 | 484.000 | 16 | | 2.0 | 13.0 | | 0.058 | 0.010 |
| 1100 | | .3 | 1 | 38006 | | 484.000 | | | | | | 0.063 | |
| 80 04 02 1140 | | .3 | 1 | 38007 | | 474.000 | | | | | | 0.059 | 0.005 |
| 80 04 07 1015 | | .3 | 1 | 38008 | | 451.000 | | | | | | 0.034 | |
| 80 04 10 1100 | | .3 | 1 | 38009 | | 457.000 | | | | | | 0.035 | |
| 80 04 14 1045 | | .3 | 1 | 38010 | | 474.000 | | | | | | 0.033 | |
| 80 04 16 1015 | | .3 | 1 | 16310 | 3 6 | 513.000 | | | 3.0 | 11.0 | 0.8 | 0.044 | 0.008 |
| 80 04 17 1030 | | .3 | 1 | 38011 | | 522.000 | | | | | | 0.033 | |
| 80 04 21 1115 | | .3 | 1 | 38012 | | 522.000 | | | | | | 0.029 | |
| 80 04 24 1030 | | .3 | 1 | 38013 | | 499.000 | | | | | | 0.025 | 0.002 |
| 80 04 28 1040 | | .3 | 1 | 38014 | | 429.000 | | | | | | 0.037 | |
| 80 05 01 1050 | | .3 | 1 | 38015 | | 311.000 | | | | | | 0.033 | 0.001 |
| 80 05 05 1045 | | .3 | 1 | 38016 | | 210.000 | | | | | | 0.032 | |
| 80 05 08 1025 | | .3 | 1 | 38017 | | 157.000 | | | | | | 0.032 | |
| 80 05 12 1050 | | .3 | 1 | 38018 | | 134.000 | | | | | | 0.022 | 0.001< |
| 80 05 14 1005 | | .3 | 1 | 38019 | | 121.000 | | | | | | 0.027 | |
| 80 05 15 1030 | | .3 | 1 | 38020 | | 90.800 | | | | | | 0.030 | 0.001 |
| 80 05 20 1100 | | .3 | 1 | 38021 | | 152.000 | | | | | | 0.026 | |
| 80 05 22 1110 | | .3 | 1 | 38022 | | 147.000 | | | | | | 0.036 | 0.001 |
| 80 05 26 1120 | | .3 | 1 | 38023 | | 110.000 | | | | | | 0.029 | |
| 80 05 27 0930 | | .3 | 1 | 16315 | 6 | 102.000 | 8 | 8 | 15.5 | 9.0 | | 0.024 | 0.006 |
| 80 05 29 1100 | | .3 | 1 | 38024 | | 69.700 | | | | | | 0.022 | 0.005 |
| 80 06 02 1045 | | .3 | 1 | 38025 | | 37.500 | | | | | | 0.026 | |
| 80 06 10 1145 | | .3 | 1 | 38026 | | 81.300 | | | | | | 0.029 | 0.003 |
| 80 06 17 1110 | | .3 | 1 | 38027 | | 50.800 | | | | | | 0.025 | |
| 80 06 23 1030 | | .3 | 1 | 38028 | | 120.000 | | | | | | 0.028 | 0.001 |
| 80 06 25 0950 | | .3 | 1 | 16320 | 9 5 | 154.000 | 20 | 8 | 21.0 | 8.0 | | 0.024 | 0.002< |
| 80 06 30 1035 | | .3 | 1 | 38029 | | 169.000 | | | | | | 0.044 | 0.010 |
| 80 07 03 1040 | | .3 | 1 | 38030 | | 153.000 | | | | | | 0.027 | |
| 80 07 07 1130 | | .3 | 1 | 38031 | | 54.300 | | | | | | 0.026 | 0.004 |
| 80 07 14 1045 | | .3 | 1 | 38032 | | 19.800 | | | | | | 0.030 | 0.001 |
| 80 07 23 0921 | | .3 | 1 | 16325 | 0 9 5 | 156.000 | | | 23.0 | 8.0 | 2.0 | 0.148 | 0.108 |
| 1040 | | .3 | 1 | 38033 | | 156.000 | | | | | | 0.038 | |
| 80 07 29 1115 | | .3 | 1 | 38034 | | 163.000 | | | | | | 0.040 | 0.003 |
| 80 07 31 1230 | | .3 | 1 | 38035 | | 155.000 | | | | | | 0.036 | |
| 80 08 05 1050 | | .3 | 1 | 38036 | | 161.000 | | | | | | 0.043 | |
| 80 08 11 1045 | | .3 | 1 | 38037 | | 128.000 | | | | | | 0.004 | 0.001 |
| 80 08 18 1030 | | .3 | 1 | 38038 | | 29.800 | | | | | | 0.035 | |
| 80 08 25 1025 | | .3 | 1 | 38039 | | 22.400 | | | | | | 0.035 | 0.001 |
| 80 08 26 0930 | | .3 | 1 | 16330 | 8 5 | 22.200 | 60 | 4< | 23.0 | 7.0 | | 0.042 | 0.002< |
| 80 08 28 1150 | | .3 | 1 | 38040 | | 22.500 | | | | | | 0.058 | 0.010 |
| 80 09 02 1045 | | .3 | 1 | 38041 | | 53.500 | | | | | | 0.033 | 0.003 |
| 80 09 08 1115 | | .3 | 1 | 38042 | | 117.000 | | | | | | 0.038 | 0.001 |
| 80 09 15 1120 | | .3 | 1 | 38043 | | 58.600 | | | | | | 0.028 | 0.002 |
| 80 09 22 1115 | | .3 | 1 | 38044 | | 45.900 | | | | | | 0.030 | 0.002 |
| 80 09 29 1020 | | .3 | 1 | 38045 | | 70.200 | | | | | | 0.040 | 0.001< |
| 80 10 01 0950 | | .3 | 1 | 16335 | 8 5 | 48.000 | 4< | 4 | 14.0 | 8.0 | | 0.052 | 0.014 |
| 80 10 06 1130 | | .3 | 1 | 38046 | | 46.100 | | | | | | 0.033 | 0.006 |
| 80 10 14 1035 | | .3 | 1 | 38047 | | 65.800 | | | | | | 0.040 | 0.008 |
| 80 10 16 1030 | | .3 | 1 | 38048 | | 83.200 | | | | | | 0.045 | 0.005 |
| 80 10 28 0945 | | .3 | 1 | 16340 | 8 5 | 181.000 | 36 | 132 | 4.0 | 10.0 | | 0.042 | 0.007 |
| 1015 | | .3 | 1 | 38049 | | 181.000 | | | | | | 0.044 | 0.002 |
| 80 10 30 1020 | | .3 | 1 | 38050 | | 196.000 | | | | | | 0.035 | 0.003 |
| 80 11 03 1030 | | .3 | 1 | 38051 | | 183.000 | | | | | | 0.024 | 0.001 |
| 80 11 10 1025 | | .3 | 1 | 38052 | | 207.000 | | | | | | 0.023 | 0.003 |
| 80 11 17 1100 | | .3 | 1 | 38053 | | 179.000 | | | | | | 0.013 | 0.001 |
| 80 11 24 1045 | | .3 | 1 | 38054 | | 127.000 | | | | | | 0.014 | 0.001 |
| 80 11 25 0955 | | .3 | 1 | 16345 | 8 6 | 120.000 | | | 1.0 | 10.0 | | 0.026 | 0.002< |
| 80 11 27 1115 | | .3 | 1 | 38055 | | 121.000 | | | | | | 0.010 | 0.001< |
| 80 12 01 1145 | | .3 | 1 | 38056 | | 133.000 | | | | | | 0.008 | 0.001< |
| 80 12 08 1130 | | .3 | 1 | 38057 | | 193.000 | | | | | | 0.014 | 0.001< |
| MAXIMUM | | | | | | **595.000** | **60** | **132** | **23.0** | **13.0** | **2.0** | **0.280** | **0.108** |
| ARITH MEAN | | | | | | **216.275** | **24L** | **31L** | **11.8** | **9.3** | **1.4** | **0.042** | **0.007L** |
| GEOM MEAN | | | | | | **147.841** | **17L** | **11L** | **7.3** | **9.2** | **1.3** | **0.034** | **0.003L** |
| MINIMUM | | | | | | **19.800** | **4<** | **4<** | **1.0** | **7.0** | **0.8** | **0.004** | **0.001<** |
| STD DEV | | | | | | **180.624** | **21L** | **56L** | **9.4** | **1.9** | **0.8** | **0.038** | **0.016L** |
| NO OF SAMPLES | | | | | | **67** | **6** | **5** | **9** | **9** | **2** | **67** | **48** |

| TEST-NAME: | | | | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C |
| 80 03 24 1030 | | .3 | 1 | | | | 0.492 | | | | 26.0 | | 190.0 |
| 80 03 25 1015 | | .3 | 1 | | | | 0.500 | | | | 31.0 | | 190.0 |
| 80 03 26 1020 | | .3 | 1 | | | | 0.417 | | | | 47.0 | | 195.0 |
| 80 03 27 1100 | | .3 | 1 | | | | 0.365 | | | | 18.0 | | 205.0 |
| 80 03 28 1050 | | .3 | 1 | | | | 0.371 | | | | 19.0 | | 210.0 |
| 80 03 31 1045 | | .3 | 1 | | | | 0.429 | | | | 15.0 | | 200.0 |
| 80 04 01 0930 | | .3 | 1 | | 0.500 | 0.012 | 0.410 | | | 0.922 | 12.00 | 144.00 | |
| 1100 | | .3 | 1 | | | | | | | | 12.0 | | 205.0 |
| 80 04 02 1140 | | .3 | 1 | | | | 0.416 | | | | 11.0 | | 205.0 |
| 80 04 07 1015 | | .3 | 1 | | | | | | | | 9.0 | | 205.0 |
| 80 04 10 1100 | | .3 | 1 | | | | | | | | 8.0 | | 210.0 |
| 80 04 14 1045 | | .3 | 1 | | | | | | | | 11.0 | | 210.0 |
| 80 04 16 1015 | | .3 | 1 | 0.020 | 0.530 | 0.004 | 0.260 | 0.284 | 0.510 | 0.794 | | | 210.0 |
| 80 04 17 1030 | | .3 | 1 | | | | | | | | 11.0 | | 215.0 |
| 80 04 21 1115 | | .3 | 1 | | | | | | | | 10.0 | | 210.0 |
| 80 04 24 1030 | | .3 | 1 | | | | 0.226 | | | | 13.0 | | |
| 80 04 28 1040 | | .3 | 1 | | | | | | | | 12.0 | | 205.0 |
| 80 05 01 1050 | | .3 | 1 | | | | 0.224 | | | | 9.0 | | 225.0 |
| 80 05 05 1045 | | .3 | 1 | | | | | | | | 6.0 | | 225.0 |

(CONTD)

| | | TEST-NAME: | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 05 08 1025 | .3 | 1 | | | | | | | | 7.0 | | 220.0 |
| 80 05 12 1050 | .3 | 1 | | | | 0.056 | | | | 5.0 | | 225.0 |
| 80 05 14 1005 | .3 | 1 | | | | | | | | 3.0 | | 230.0 |
| 80 05 15 1030 | .3 | 1 | | | | 0.019 | | | | 5.0 | | 225.0 |
| 80 05 20 1100 | .3 | 1 | | | | | | | | 4.0 | | 225.0 |
| 80 05 22 1110 | .3 | 1 | | | | 0 007 | | | | 3.0 | | 230.0 |
| 80 05 26 1120 | .3 | 1 | | | | | | | | 2.0 | | 230.0 |
| 80 05 27 0930 | .3 | 1 | | 0.480 | 0.002 | 0.020< | | | 0 502 | 4.00 | 147.000 | 226.0 |
| 80 05 29 1100 | .3 | 1 | | | | 0 042 | | | | 4.0 | | |
| 80 06 02 1045 | .3 | 1 | | | | | | | | 5.0 | | |
| 80 06 10 1145 | .3 | 1 | | | | 0 034 | | | | 3.0 | | 235.0 |
| 80 06 17 1110 | .3 | 1 | | | | | | | | 4.0 | | |
| 80 06 23 1030 | .3 | 1 | | | | 0.007 | | | | 4.0 | | 230 0 |
| 80 06 25 0950 | .3 | 1 | | 0.470 | 0.004 | 0.020< | | | 0.494 | 4.00 | 149.000 | 230.0 |
| 80 06 30 1035 | .3 | 1 | | | | 0 007 | | | | | | 220 |
| 80 07 03 1040 | .3 | 1 | | | | | | | | 5.0 | | |
| 80 07 07 1130 | .3 | 1 | | | | 0.007 | | | | 4.0 | | 225.0 |
| 80 07 14 1045 | .3 | 1 | | | | 0.004 | | | | 2.0 | | 235.0 |
| 80 07 23 0921 | .3 | 1 | 0.030 | | 0.002 | 0.590 | 0.622 | | | | | 225.0 |
| 1040 | .3 | 1 | | | | | | | | 4.0 | | 230.0 |
| 80 07 29 1115 | .3 | 1 | | | | 0.017 | | | | 6.0 | | 230.0 |
| 80 07 31 1230 | .3 | 1 | | | | | | | | 7.0 | | 230.0 |
| 80 08 05 1050 | .3 | 1 | | | | | | | | 7.0 | | 225.0 |
| 80 08 11 1045 | .3 | 1 | | | | 0.003 | | | | 8.0 | | 220.0 |
| 80 08 18 1030 | .3 | 1 | | | | | | | | 7 0 | | 225.0 |
| 80 08 25 1025 | .3 | 1 | | | | 0.004 | | | | 4.0 | | 240.0 |
| 80 08 26 0930 | .3 | 1 | | 0.420 | 0.002< | 0.020< | | | 0.442 | 4.00 | 153.000 | |
| 80 08 28 1150 | .3 | 1 | | | | 0.017 | | | | 5.0 | | 245.0 |
| 80 09 02 1045 | .3 | 1 | | | | 0.061 | | | | 57.0 | | 235.0 |
| 80 09 08 1115 | .3 | 1 | | | | 0.016 | | | | 5.0 | | 240.0 |
| 80 09 15 1120 | .3 | 1 | | | | 0.003 | | | | 5.0 | | 235.0 |
| 80 09 22 1115 | .3 | 1 | | | | 0.009 | | | | 6 0 | | 235.0 |
| 80 09 29 1020 | .3 | 1 | | | | 0.005< | | | | 7.0 | | 225.0 |
| 80 10 01 0950 | .3 | 1 | | 0.670 | 0.004 | 0.020 | | | 0.694 | 8.00 | 160 000 | 240.0 |
| 80 10 06 1130 | .3 | 1 | | | | 0.037 | | | | 6.0 | | 240.0 |
| 80 10 14 1035 | .3 | 1 | | | | 0 101 | | | | 5.0 | | 240.0 |
| 80 10 16 1030 | .3 | 1 | | | | 0.117 | | | | 5.0 | | 240.0 |
| 80 10 28 0945 | .3 | 1 | | 0.440 | 0.030 | 0.130 | | | 0.600 | 9.00 | 153 000 | 235.0 |
| 1015 | .3 | 1 | | | | 0 139 | | | | 6.0 | | 235.0 |
| 80 10 30 1020 | .3 | 1 | | | | 0.109 | | | | 8.0 | | 240.0 |
| 80 11 03 1030 | .3 | 1 | | | | 0.085 | | | | 5.0 | | 235.0 |
| 80 11 10 1025 | .3 | 1 | | | | 0.077 | | | | 6.0 | | 230 0 |
| 80 11 17 1100 | .3 | 1 | | | | 0 072 | | | | 4.0 | | 235.0 |
| 80 11 24 1045 | .3 | 1 | | | | 0.073 | | | | 2.0 | | 230.0 |
| 80 11 25 0955 | .3 | 1 | | 0.370 | 0.004 | 0.120 | | | 0.494 | 1.00 | 146.000 | 225.0 |
| 80 11 27 1115 | .3 | 1 | | | | 0.070 | | | | 3.0 | | 230.0 |
| 80 12 01 1145 | .3 | 1 | | | | 0.111 | | | | 2 0 | | 235.0 |
| 80 12 08 1130 | .3 | 1 | | | | 0.125 | | | | 3.0 | | 240.0 |
| MAXIMUM | | | 0.030 | 0.670 | 0.030 | 0.590 | 0.622 | 0.510 | 0.922 | 57.0 | 160.000 | 245.0 |
| ARITH MEAN | | | 0.025 | 0.485 | 0.007L | 0.135L | 0.453 | 0.510 | 0.618 | 8.6 | 150.28 | 224 |
| GEOM MEAN | | | 0.024 | 0.478 | 0.004L | 0.063L | 0.420 | | 0.599 | 6.2 | 150.20 | 224 |
| MINIMUM | | | 0.020 | 0.370 | 0.002< | 0.003< | 0.284 | 0.510 | 0.442 | 1.00 | 144.00 | 190.0 |
| STD DEV | | | 0.007 | 0.090 | 0.009L | 0.164L | 0.239 | | 0.171 | 9.5 | 5.46 | 13 |
| NO OF SAMPLES | | | 2 | 8 | 9 | 48 | 2 | 1 | 8 | 64 | 7 | 60 |

| | | | TEST-NAME: | | TURB | CLIDUR | ALKT | PH | FEUT | ASUT | HGUT | ALUT | CRUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | IRON UNF.TOT. MG/L AS FE | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU |
| 80 03 24 1030 | | | .3 | 1 | | | | | | | 0.020< | | | 0.010< |
| 80 03 25 1015 | | | .3 | 1 | | | | | | | 0.020< | | | 0.010< |
| 80 03 26 1020 | | | .3 | 1 | | | | | | | 0.020 | | | 0.010< |
| 80 03 27 1100 | | | .3 | 1 | | | | | | | 0.020< | | | 0.010< |
| 80 03 31 1045 | | | .3 | 1 | | | | | | | 0.020< | | | 0.010< |
| 80 04 01 0930 | | | .3 | 1 | | | 86.0 | 7.90 | | 0.001< | 0.07 | | 0.02 | 0.01 |
| 1100 | | | .3 | 1 | | | | | | | 0.020< | | | 0.010< |
| 80 04 02 1140 | | | .3 | 1 | | | | | | 0.001< | 0.020< | 0.490 | 0.020< | 0.010< |
| 80 04 07 1015 | | | .3 | 1 | | | | | | | 0.020< | | | |
| 80 04 10 1100 | | | .3 | 1 | | | | | | | 0.020< | | | |
| 80 04 14 1045 | | | .3 | 1 | | | | | | | 0.020< | | | |
| 80 04 16 1015 | | | .3 | 1 | 4.00 | 5.800 | | | | 0.001< | 0.060 | | 0 020< | 0.020 |
| 80 04 17 1030 | | | .3 | 1 | | | | | | | 0.030 | | | |
| 80 04 21 1115 | | | .3 | 1 | | | | | | | 0.020< | | | |
| 80 04 24 1030 | | | .3 | 1 | | | | | | | 0.020< | | | 0.010< |
| 80 04 28 1040 | | | .3 | 1 | | | | | | | 0.020< | | | |
| 80 05 01 1050 | | | .3 | 1 | | | | | | | 0.030< | | | 0 010< |
| 80 05 05 1045 | | | .3 | 1 | | | | | | | 0.060 | | | |
| 80 05 08 1025 | | | .3 | 1 | | | | | | | 0.020 | | | |
| 80 05 14 1005 | | | .3 | 1 | | | | | | | 0.030 | | | |
| 80 05 15 1030 | | | .3 | 1 | | | | | | | | | | 0.010< |
| 80 05 20 1100 | | | .3 | 1 | | | | | | | 0.050 | | | |
| 80 05 22 1110 | | | .3 | 1 | | | | | | | 0.040 | | | 0.010< |
| 80 05 26 1120 | | | .3 | 1 | | | | | | | 0.020< | | | |
| 80 05 27 0930 | | | .3 | 1 | | | 96.0 | 8.00 | | 0 001< | 0.060 | | 0 020< | 0.010< |
| 80 05 29 1100 | | | .3 | 1 | | | | | | | 0.030 | | | 0.010< |
| 80 06 02 1045 | | | .3 | 1 | | | | | | | 0.070 | | | |
| 80 06 10 1145 | | | .3 | 1 | | | | | | | 0.030< | | | 0 010< |
| 80 06 17 1110 | | | .3 | 1 | | | | | | | 0.020< | | | |
| 80 06 23 1030 | | | .3 | 1 | | | | | | | 0.040< | | | 0 010< |
| 80 06 25 0950 | | | .3 | 1 | | | 96.0 | 8 20 | | 0.001< | 0.08 | | | |
| 80 06 30 1035 | | | .3 | 1 | | | | | | | 0.020< | | | 0 010< |
| 80 07 03 1040 | | | .3 | 1 | | | | | | | 0.020< | | | |
| 80 07 07 1130 | | | .3 | 1 | | | | | | | 0.030< | | | 0.010< |
| 80 07 14 1045 | | | .3 | 1 | | | | | | | 0.020< | | | 0.010< |
| 80 07 23 0921 | | | .3 | 1 | 2 60 | 7 800 | | | 0.250 | 0.001< | | 0 14 | 0 02 < | 0 01 |
| 80 07 29 1115 | | | .3 | 1 | | | | | | | | | | 0 010< |
| 80 07 31 1230 | | | .3 | 1 | | | | | | | 0 030 | | | |
| 80 08 05 1050 | | | .3 | 1 | | | | | | | 0 060 | | | |
| 80 08 11 1045 | | | .3 | 1 | | | | | | | 0 040< | | | 0.004 |
| 80 08 18 1030 | | | .3 | 1 | | | | | | | 0.040< | | | |
| 80 08 25 1025 | | | .3 | 1 | | | | | | | 0.020< | | | 0.001< |
| 80 08 26 0930 | | | .3 | 1 | | | 96.0 | 7 70 | | 0 001< | 0.100 | | 0.002< | 0.005 |
| 80 08 28 1150 | | | .3 | 1 | | | | | | | 0.040< | | | 0.001< |
| 80 09 02 1045 | | | .3 | 1 | | | | | | | 0.030< | | | 0.001< |
| 80 09 08 1115 | | | .3 | 1 | | | | | | | 0.040< | | | 0 002 |
| 80 09 15 1120 | | | .3 | 1 | | | | | | | 0.040< | | | 0.001< |
| 80 09 22 1115 | | | .3 | 1 | | | | | | | 0.030< | | | 0 001 |
| 80 09 29 1020 | | | .3 | 1 | | | | | | | 0.030< | | | 0 007 |
| 80 10 01 0950 | | | .3 | 1 | | | 101 0 | 8 20 | | 0.001< | 0 060 | | 0.003 | 0 001< |
| 80 10 14 1035 | | | .3 | 1 | | | | | | | 0.040< | | | 0.001< |

(CONTD)

B.O.W./SITE **TRENT RIVER**
SAMPLE POINT **NEW HIGHWAY 2 BRIDGE TRENTON**
STATION TYPE **RIVER C FLOW GAUGE FED 02HK004**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-068-83**
STORET CODE: **02**
**004**
**1220**

LAT LONG U.T.M. **18 0293600.0 4886625.0 4** REGION: **04** DISTANCE: **0.865**

| TEST-NAME: | | | | | TURB | CLIDUR | ALKT | PH | FEUT | ASUT | HGUT | ALUT | CRUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | IRON UNF.TOT. MG/L AS FE | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU |
| 80 10 16 1030 | | | .3 | 1 | | | | | | | | | | 0.003 |
| 80 10 28 0945 | | | .3 | 1 | | | 99.0 | 7.90 | | 0.001< | 0.07 | | 0.002< | 0.002 |
| 1015 | | | .3 | 1 | | | | | | | 0.030< | | | 0.001< |
| 80 10 30 1020 | | | .3 | 1 | | | | | | | 0.040< | | | 0.002 |
| 80 11 03 1030 | | | .3 | 1 | | | | | | | 0.040< | | | 0.001< |
| 80 11 10 1025 | | | .3 | 1 | | | | | | | 0.040< | | | 0.004 |
| 80 11 17 1100 | | | .3 | 1 | | | | | | | 0.040< | | | 0.003 |
| 80 11 24 1045 | | | .3 | 1 | | | | | | | 0.040< | | | 0.001< |
| 80 11 25 0955 | | | .3 | 1 | | | 92.0 | 7.90 | | 0.001< | | | 0.002< | 0.003 |
| 80 11 27 1115 | | | .3 | 1 | | | | | | | 0.060< | | | 0.003 |
| 80 12 01 1145 | | | .3 | 1 | | | | | | | 0.040< | | | 0.001 |
| 80 12 08 1130 | | | .3 | 1 | | | | | | | 0.040< | | | 0.004 |
| MAXIMUM | | | | | 4.00 | 7.800 | 101.0 | 8.20 | 0.250 | 0.001 | 0.100 | 0.490 | 0.02 | 0.020 |
| ARITH MEAN | | | | | 3.40 | 6.800 | 95.1 | 7.97 | 0.250 | 0.001L | 0.03 L | 0.31 | 0.01 L | 0.00 L |
| GEOM MEAN | | | | | 3.35 | 6.726 | 95.0 | 7.97 | | 0.001L | 0.03 L | 0.28 | 0.00 L | 0.00 L |
| MINIMUM | | | | | 2.80 | 5.800 | 88.0 | 7.70 | 0.250 | 0.001< | 0.020< | 0.14 | 0.002< | 0.001< |
| STD DEV | | | | | 0.85 | 1.414 | 4.9 | 0.18 | | 0.000L | 0.01 L | 0.24 | 0.00 L | 0.00 L |
| NO OF SAMPLES | | | | | 2 | 2 | 7 | 7 | 1 | 10 | 58 | 2 | 9 | 45 |

| TEST-NAME: | | | | | PBUT | CDUT | ZNUT | NIUT | COUT | P1PCBT |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | PCB TOTAL UG/L |
| 80 03 24 1030 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 03 25 1015 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 03 26 1020 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 03 27 1100 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 03 31 1045 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 04 01 0930 | | | .3 | 1 | 0.03 < | 0.005 < | 0.01 < | | | 0.020R |
| 1100 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 04 02 1140 | | | .3 | 1 | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020< | |
| 80 04 07 1015 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 04 10 1100 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 04 14 1045 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 04 16 1015 | | | .3 | 1 | 0.030< | 0.005 < | 0.010< | | | 0.020R |
| 80 04 17 1030 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 04 21 1115 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 04 24 1030 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 04 28 1040 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 05 01 1050 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 05 05 1045 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 05 08 1025 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 05 14 1005 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 05 15 1030 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 05 20 1100 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 05 22 1110 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 05 26 1120 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 05 27 0930 | | | .3 | 1 | 0.030< | 0.005 < | 0.010< | | | 0.020R |
| 80 05 29 1100 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 06 02 1045 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 06 10 1145 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 06 17 1110 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 06 23 1030 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 06 25 0950 | | | .3 | 1 | | | | | | 0.020R |
| 80 06 30 1035 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 07 03 1040 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 07 07 1130 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 07 14 1045 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 07 23 0921 | | | .3 | 1 | 0.03 < | 0.005 < | 0.01 < | 0.02 < | 0.02 < | |
| 1040 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 07 29 1115 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 07 31 1230 | | | .3 | 1 | 0.030< | 0.005 < | | | | |
| 80 08 05 1050 | | | .3 | 1 | 0.006< | 0.0005< | | | | |
| 80 08 11 1045 | | | .3 | 1 | 0.001< | 0.0001< | | | | |
| 80 08 18 1030 | | | .3 | 1 | 0.003< | 0.0002< | | | | |
| 80 08 25 1025 | | | .3 | 1 | 0.005< | 0.0002< | | | | |
| 80 08 26 0930 | | | .3 | 1 | 0.005 | 0.0002< | 0.003 | | | 0.020R |
| 80 08 28 1150 | | | .3 | 1 | 0.004 | 0.0002< | | | | |
| 80 09 02 1045 | | | .3 | 1 | 0.003< | 0.0002< | | | | |
| 80 09 08 1115 | | | .3 | 1 | 0.003< | 0.0002< | | | | |
| 80 09 15 1120 | | | .3 | 1 | 0.003< | 0.0002< | | | | |
| 80 09 22 1115 | | | .3 | 1 | 0.003< | 0.0002< | | | | |
| 80 09 29 1020 | | | .3 | 1 | 0.007 | 0.0006 | | | | |
| 80 10 01 0950 | | | .3 | 1 | 0.003< | 0.0002< | 0.001< | | | 0.020 |
| 80 10 14 1035 | | | .3 | 1 | 0.003< | 0.0002< | | | | |
| 80 10 16 1030 | | | .3 | 1 | 0.003< | 0.0002< | | | | |
| 80 10 28 0945 | | | .3 | 1 | 0.003< | 0.0002< | 0.001< | | | 0.020R |
| 1015 | | | .3 | 1 | 0.003< | 0.0002< | | | | |
| 80 10 30 1020 | | | .3 | 1 | 0.003< | 0.0002< | | | | |
| 80 11 03 1030 | | | .3 | 1 | 0.003< | 0.0002< | | | | |
| 80 11 10 1025 | | | .3 | 1 | 0.003< | 0.0002< | | | | |
| 80 11 17 1100 | | | .3 | 1 | 0.003< | 0.0002< | | | | |
| 80 11 24 1045 | | | .3 | 1 | 0.003< | 0.0002< | | | | |
| 80 11 25 0955 | | | .3 | 1 | 0.003< | 0.0002< | 0.005 | | | 0.020R |
| 80 11 27 1115 | | | .3 | 1 | 0.006 | 0.0002< | | | | |
| 80 12 01 1145 | | | .3 | 1 | 0.003< | 0.0002< | | | | |
| 80 12 08 1130 | | | .3 | 1 | 0.003< | 0.0002< | | | | |
| MAXIMUM | | | | | 0.030 | 0.005 | 0.01 | 0.02 | 0.02 | |
| ARITH MEAN | | | | | 0.01 L | 0.003 L | 0.00 L | 0.02 L | 0.02 L | |
| GEOM MEAN | | | | | 0.01 L | 0.001 L | 0.00 L | 0.02 L | 0.02 L | |
| MINIMUM | | | | | 0.001< | 0.0001< | 0.001< | 0.020< | 0.020< | |
| STD DEV | | | | | 0.01 L | 0.002 L | 0.00 L | 0.00 L | 0.00 L | |
| NO OF SAMPLES | | | | | 63 | 63 | 9 | 2 | 2 | |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./SITE: **BAXTER CREEK**
SAMPLE POINT: **1.5 MILES DOWNSTREAM FROM MILLBROOK**
STATION TYPE: **RIVER FLOW GAUGE MOE 02HJ104**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-080-02**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **17 0707010.0 4893900.0 4** REGION: **03** DISTANCE: **134.865**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 22 1400 | | | .3 | 1 | 21011 | 6 | 750 | 2250 | 364 | 76 | | | 0.2 | 0.069 |
| 80 02 28 1600 | | | .3 | 1 | 21046 | 4 | 120I | 300 | 4< | 4< | 0.0 | 9.9 | 0.2 | 0.022 |
| 80 03 25 1650 | | | .3 | 1 | 21112 | 6 3 | 9100C | 27000 | 270 | 350 | 1.5 | 12.4 | 3.2 | 0.585 |
| 80 04 24 1435 | | | .3 | 1 | 21183 | 6 | 20I | 70 | 2< | 6 | 9.8 | 11.4 | 0.6 | 0.014 |
| 80 05 22 1608 | | | .3 | 1 | 21254 | 6 | 196C | 2360 | 18 | 30 | 18.5 | 10.9 | 0.6 | 0.027 |
| 80 06 25 1700 | | | .3 | 1 | 21319 | 6 | 320C | 4700 | 228 | 124 | 21.8 | 10.5 | 0.6 | 0.032 |
| 80 07 08 1715 | | | .3 | 1 | 21382 | 6 8 9 | 25000 | 99000 | 272 | 192 | 16.5 | 10.5 | 1.0 | 0.026 |
| 80 08 14 1725 | | | .3 | 1 | 21444 | 6 | | | | | 17.2 | 10.8 | 0.4 | 0.020 |
| 80 09 25 1620 | | | .3 | 1 | 21506 | 6 9 | | | | | 7.5 | 10.5 | 0.5 | 0.019 |
| 80 10 08 1705 | | | .3 | 1 | 21557 | 6 | 240 | 1600 | 196 | 12 | 9.8 | 10.6 | 0.6 | 0.020 |
| 80 11 19 1700 | | | .3 | 1 | 21632 | 6 | 910C | 3000 | 172 | 144 | 1.8 | 11.8 | 0.6 | 0.027 |
| 80 12 10 1645 | | | .3 | 1 | 21695 | 6 | | | | | 2.0 | 13.2 | 0.1 | 0.014 |
| MAXIMUM | | | | | | | 25000 | 99000 | 364 | 360 | 21.8 | 13.2 | 3.2 | 0.585 |
| ARITH MEAN | | | | | | | 4073 | 15587 | 170L | 104L | 9.7 | 11.1 | 0.7 | 0.073 |
| GEOM MEAN | | | | | | | 562 | 2663 | 68L | 46L | 6.1 | 11.1 | 0.5 | 0.031 |
| MINIMUM | | | | | | | 20 | 70 | 2< | 4< | 0.0 | 9.9 | 0.1 | 0.014 |
| STD DEV | | | | | | | 8387 | 32380 | 133L | 114L | 7.8 | 1.0 | 0.8 | 0.162 |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 11 | 11 | 12 | 12 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 22 1400 | | | .3 | 1 | 0.011 | 0.060 | 0.360 | 0.006 | 0.994 | 1.060 | 0.300 | 1.360 | 294.0 | 27.0 |
| 80 02 28 1600 | | | .3 | 1 | 0.007 | 0.024 | 0.150 | 0.003 | 0.712 | 0.739 | 0.126 | 0.865 | 234.0 | 8.0 |
| 80 03 25 1650 | | | .3 | 1 | 0.092 | 0.198 | 2.150 | 0.022 | 0.833 | 1.053 | 1.952 | 3.005 | 486.0 | 323.0 |
| 80 04 24 1435 | | | .3 | 1 | 0.008 | 0.020 | 0.190 | 0.005 | 0.670 | 0.695 | 0.170 | 0.865 | 272.0 | 5.0 |
| 80 05 22 1608 | | | .3 | 1 | 0.003 | 0.094 | 0.300 | 0.008 | 0.132 | 0.234 | 0.206 | 0.440 | 253.0 | 9.0 |
| 80 06 25 1700 | | | .3 | 1 | 0.001 | 0.014 | 0.310 | 0.009 | 0.561 | 0.584 | 0.296 | 0.880 | 254.0 | 13.0 |
| 80 07 08 1715 | | | .3 | 1 | 0.006 | 0.002 | 0.28 | 0.008 | 0.552 | 0.562 | 0.278 | 0.840 | 260 | 3 |
| 80 08 14 1725 | | | .3 | 1 | 0.006 | 0.040 | 0.260 | 0.005 | 0.465 | 0.510 | 0.220 | 0.730 | 265.0 | 5.0 |
| 80 09 25 1620 | | | .3 | 1 | 0.014 | 0.020 | 0.17 | 0.003 | 0.617 | 0.640 | 0.150 | 0.790 | 271 | 11 |
| 80 10 08 1705 | | | .3 | 1 | 0.011 | 0.026 | 0.180 | 0.016 | 0.574 | 0.616 | 0.154 | 0.770 | 267.0 | 4.0 |
| 80 11 19 1700 | | | .3 | 1 | 0.027 | 0.006 | 0.180 | 0.002 | 0.688 | 0.696 | 0.174 | 0.870 | 271.0 | 3.0 |
| 80 12 10 1645 | | | .3 | 1 | 0.013 | 0.020 | 0.480 | 0.003 | 0.867 | 0.890 | 0.460 | 1.350 | 292.0 | 6.0 |
| MAXIMUM | | | | | 0.092 | 0.198 | 2.150 | 0.022 | 0.994 | 1.060 | 1.952 | 3.005 | 486.0 | 323.0 |
| ARITH MEAN | | | | | 0.017 | 0.044 | 0.41 | 0.007 | 0.639 | 0.690 | 0.374 | 1.064 | 284 | 34 |
| GEOM MEAN | | | | | 0.009 | 0.024 | 0.29 | 0.006 | 0.584 | 0.648 | 0.258 | 0.947 | 279 | 9 |
| MINIMUM | | | | | 0.001 | 0.002 | 0.150 | 0.002 | 0.132 | 0.234 | 0.126 | 0.440 | 234.0 | 3 |
| STD DEV | | | | | 0.025 | 0.055 | 0.55 | 0.006 | 0.220 | 0.231 | 0.506 | 0.661 | 65 | 91 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 22 1400 | | | .3 | 1 | 267.000 | 400.0 | 6.70 | 6.250 | | |
| 80 02 28 1600 | | | .3 | 1 | | 365.0 | | 2.150 | 8.19 | 7.9 |
| 80 03 25 1650 | | | .3 | 1 | 163.000 | 250.0 | 68.00 | 10.500 | 7.86 | |
| 80 04 24 1435 | | | .3 | 1 | 267.000 | 410.0 | | 6.800 | 8.35 | 8.3 |
| 80 05 22 1608 | | | .3 | 1 | 244.000 | 375.0 | | 5.050 | 8.36 | 8.3 |
| 80 06 25 1700 | | | .3 | 1 | 241.000 | 370.0 | | 4.850 | 8.46 | 8.5 |
| 80 07 08 1715 | | | .3 | 1 | 257 | 395 | | 6.50 | 8.37 | 8.6 |
| 80 08 14 1725 | | | .3 | 1 | 260.000 | 400.0 | | 6.450 | 8.37 | |
| 80 09 25 1620 | | | .3 | 1 | 260 | 400 | | 4.35 | 8.32 | 8.7 |
| 80 10 08 1705 | | | .3 | 1 | 263.000 | 405.0 | | 4.600 | 8.26 | 8.6 |
| 80 11 19 1700 | | | .3 | 1 | 268.0 | 440.0 | | 7.450 | 8.18 | 8.4 |
| 80 12 10 1645 | | | .3 | 1 | 286.0 | 480.0 | | 12.500 | 8.20 | 8.1 |
| MAXIMUM | | | | | 286.0 | 480.0 | 68.00 | 12.500 | 8.46 | 8.7 |
| ARITH MEAN | | | | | 252 | 390 | 37.35 | 6.46 | 8.27 | 8.4 |
| GEOM MEAN | | | | | 250 | 388 | 21.34 | 5.91 | 8.26 | 8.4 |
| MINIMUM | | | | | 163.000 | 250.0 | 6.70 | 2.150 | 7.86 | 7.9 |
| STD DEV | | | | | 32 | 54 | 43.35 | 2.78 | 0.16 | 0.3 |
| NO OF SAMPLES | | | | | 11 | 12 | 2 | 12 | 11 | 9 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

|  |  |  |
|---|---|---|
| B.O.W./ SITE: **OTONABEE RIVER**<br>SAMPLE POINT: **AT LOCK NO 19 DAM PETERBOROUGH**<br>STATION TYPE: **RIVER** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE ONTARIO**<br>TERM STREAM: **TRENT RIVER** | STATION ID: **17-0021-070-02**<br>STORET CODE: **02**<br>**004**<br>**1220** |
| LAT: LONG: | U T M: **17 0713800.0 4907250.0 4** REGION: **03** | DISTANCE: **144.676** |

| TEST-NAME: |  |  |  |  | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 22 1530 |  |  | 3 | 1 | 21014 | 6 | 70I | 120 | 4 | 4< |  |  | 0.6 | 0.015 |
| 80 02 28 1710 |  |  | 3 | 1 | 21048 | 6 | 280 | 70 | 176 | 4 | 0.0 | 12.9 | 0.2 | 0.010 |
| 80 03 25 1735 |  |  | 3 | 1 | 21114 | 6 | 4800 | 23000 | 420 | 700 | 1.0 | 13.6 | 0.4 | 0.047 |
| 80 04 24 1515 |  |  | 3 | 1 | 21185 | 6 3 | 60I | 190 | 4 | 4 | 8.0 | 11.0 | 1.0 | 0.017 |
| 80 05 22 1650 |  |  | 3 | 1 | 21257 | 6 | 292C | 2200 | 24 | 16 | 18.0 | 11.1 | 1.0 | 0.022 |
| 80 06 25 1750 |  |  | 3 | 1 | 21322 | 6 | 180C | 1600 | 26 | 14 | 20.9 | 9.4 | 0.6 | 0.020 |
| 80 07 08 1830 |  |  | 3 | 1 | 21385 | 6 | 380C | 3100 | 8 | 84 | 20.8 | 9.4 | 0.8 | 0.023 |
| 80 08 14 1815 |  |  | 3 | 1 | 21447 | 6 |  |  |  |  | 21.0 | 10.2 | 0.4 | 0.028 |
| 80 09 25 1708 |  |  | 3 | 1 | 21509 | 6 |  |  |  |  | 14.0 | 9.2 | 0.6 | 0.023 |
| 80 10 08 1530 |  |  | 3 | 1 | 21560 | 6 | 390 | 2400 | 16 | 36 | 11.5 | 10.7 | 1.0 | 0.035 |
| 80 11 19 1745 |  |  | 3 | 1 | 21635 | 6 | 40I | 290 | 4 | 4< | 2.5 | 12.2 | 1.0 | 0.009 |
| 80 12 10 1700 |  |  | 3 | 1 | 21698 | 6 |  |  |  |  | 1.8 | 13.9 | 0.4 | 0.012 |
| MAXIMUM |  |  |  |  |  |  | 4800 | 23000 | 420 | 700 | 21.0 | 13.9 | 1.0 | 0.047 |
| ARITH MEAN |  |  |  |  |  |  | 721 | 3663 | 76 | 96L | 10.9 | 11.2 | 0.7 | 0.022 |
| GEOM MEAN |  |  |  |  |  |  | 229 | 868 | 19 | 17L | 6.6 | 11.1 | 0.6 | 0.019 |
| MINIMUM |  |  |  |  |  |  | 40 | 70 | 4 | 4< | 0.0 | 9.2 | 0.2 | 0.009 |
| STD DEV |  |  |  |  |  |  | 1535 | 7341 | 140 | 228L | 8.6 | 1.7 | 0.3 | 0.011 |
| NO OF SAMPLES |  |  |  |  |  |  | 9 | 9 | 9 | 9 | 11 | 11 | 12 | 12 |

| TEST-NAME: |  |  |  |  | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 22 1530 |  |  | .3 | 1 | 0.001 | 0.028 | 0.360 | 0.003 | 0.137 | 0.168 | 0.332 | 0.500 | 122.0 | 2.0 |
| 80 02 28 1710 |  |  | .3 | 1 | 0.002 | 0.038 | 0.370 | 0.003 | 0.690 | 0.731 | 0.332 | 1.063 | 126.0 | 0.6 |
| 80 03 25 1735 |  |  | .3 | 1 | 0.014 | 0.082 | 0.770 | 0.007 | 0.283 | 0.372 | 0.688 | 1.060 | 130.0 | 6.0 |
| 80 04 24 1515 |  |  | .3 | 1 | 0.001 | 0.006 | 0.370 | 0.005 | 0.295 | 0.306 | 0.364 | 0.670 | 115.0 | 4.0 |
| 80 05 22 1650 |  |  | 3 | 1 | 0.001< | 0.012 | 0.420 | 0.005 | 0.110 | 0.127 | 0.408 | 0.535 | 134.0 | 4.0 |
| 80 06 25 1750 |  |  | .3 | 1 | 0.001 | 0.014 | 0.420 | 0.002 | 0.033 | 0.049 | 0.406 | 0.455 | 127.0 | 3.0 |
| 80 07 08 1830 |  |  | .3 | 1 | 0.002 | 0.020 | 0.46 | 0.003 | 0.012 | 0.035 | 0.440 | 0.475 | 133 | 3 |
| 80 08 14 1815 |  |  | 3 | 1 | 0.003 | 0.048 | 0.410 | 0.002 | 0.023 | 0.073 | 0.362 | 0.435 | 130.0 | 3.0 |
| 80 09 25 1708 |  |  | .3 | 1 | 0.001< | 0.034 | 0.41 | 0.001< | 0.005< | 0.040 | 0.376 | 0.416 | 127 | 3 |
| 80 10 08 1530 |  |  | 3 | 1 | 0.009 | 0.050 | 0.460 | 0.002 | 0.018 | 0.070 | 0.410 | 0.480 | 121.0 | 4.0 |
| 80 11 19 1745 |  |  | 3 | 1 | 0.002 | 0.016 | 0.390 | 0.001 | 0.040 | 0.057 | 0.374 | 0.431 | 123.0 | 6.0 |
| 80 12 10 1700 |  |  | 3 | 1 | 0.003 | 0.020 | 0.410 | 0.002 | 0.068 | 0.090 | 0.390 | 0.480 | 129.0 | 2.0 |
| MAXIMUM |  |  |  |  | 0.014 | 0.082 | 0.770 | 0.007 | 0.690 | 0.731 | 0.688 | 1.063 | 134.0 | 6.0 |
| ARITH MEAN |  |  |  |  | 0.003L | 0.031 | 0.43 | 0.003L | 0.143L | 0.178 | 0.407 | 0.583 | 126 | 3 |
| GEOM MEAN |  |  |  |  | 0.002L | 0.024 | 0.42 | 0.003L | 0.059L | 0.110 | 0.399 | 0.561 | 126 | 3 |
| MINIMUM |  |  |  |  | 0.001< | 0.006 | 0.360 | 0.001< | 0.005< | 0.035 | 0.332 | 0.416 | 115.0 | 0.6 |
| STD DEV |  |  |  |  | 0.004L | 0.021 | 0.10 | 0.002L | 0.199L | 0.205 | 0.094 | 0.233 | 5 | 1 |
| NO OF SAMPLES |  |  |  |  | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: |  |  |  |  | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 22 1530 |  |  | .3 | 1 | 120.000 | 190.0 | 4.750 |  |  |
| 80 02 28 1710 |  |  | 3 | 1 |  | 195.0 | 5.400 | 7.95 | 7.5 |
| 80 03 25 1735 |  |  | .3 | 1 | 124.000 | 190.0 | 5.050 | 7.71 | 7.7 |
| 80 04 24 1515 |  |  | .3 | 1 | 111.000 | 170.0 | 4.650 | 8.01 | 8.1 |
| 80 05 22 1650 |  |  | .3 | 1 | 130.000 | 200.0 | 5.550 | 8.10 | 8.2 |
| 80 06 25 1750 |  |  | .3 | 1 | 124.000 | 190.0 | 5.600 | 8.19 | 8.2 |
| 80 07 08 1830 |  |  | .3 | 1 | 130 | 200 | 5.35 | 8.22 | 8.4 |
| 80 08 14 1815 |  |  | .3 | 1 | 127.000 | 195.0 | 5.150 | 8.02 |  |
| 80 09 25 1708 |  |  | 3 | 1 | 124 | 190 | 4.80 | 8.01 | 8.8 |
| 80 10 08 1530 |  |  | .3 | 1 | 117.000 | 180.0 | 5.000 | 7.85 | 8.4 |
| 80 11 19 1745 |  |  | .3 | 1 | 117.000 | 180.0 | 5.400 | 8.02 | 8.1 |
| 80 12 10 1700 |  |  | 3 | 1 | 127.000 | 195.0 | 8.550 | 8.04 | 7.9 |
| MAXIMUM |  |  |  |  | 130.000 | 200.0 | 8.550 | 8.22 | 8.8 |
| ARITH MEAN |  |  |  |  | 122 | 189 | 5.43 | 8.01 | 8.1 |
| GEOM MEAN |  |  |  |  | 122 | 189 | 5.36 | 8.01 | 8.1 |
| MINIMUM |  |  |  |  | 111.000 | 170.0 | 4.650 | 7.71 | 7.5 |
| STD DEV |  |  |  |  | 5 | 8 | 1.03 | 0.14 | 0.4 |
| NO OF SAMPLES |  |  |  |  | 11 | 12 | 12 | 11 | 10 |

| | | | |
|---|---|---|---|
| B.O.W./ SITE: **SALT CREEK** | | STATION ID: **17-0021-071-02** |
| SAMPLE POINT: **CONC.E.OF HWY.30 SOUTH OF MEYERSBURG** | MAJOR BASIN: **GREAT LAKES** | STORET CODE: **02**<br>**004**<br>**1220** |
| STATION TYPE: **RIVER** | MINOR BASIN: **LAKE ONTARIO** | |
| | TERM STREAM: **TRENT RIVER** | |
| LAT: | LONG: | U T M: **18 0274690.0 4897725.0 4** | REGION: **03** DISTANCE: **42.104** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 24 1145 | | | .3 | 1 | 21024 | 6 | 360C | 2900 | 12 | 84 | 0.0 | 10.7 | 0.2 | 0.056 |
| 80 02 28 1000 | | | .3 | 1 | 21031 | 4 | 250 | 1300 | 88 | 104 | 0.0 | 11.6 | 0.2 | 0.059 |
| 80 03 25 1050 | | | .3 | 1 | 21093 | 6 | 9700C | 64000 | 1280 | 2600 | 2.5 | 13.6 | 3.4 | 0.123 |
| 80 04 24 0640 | | | .3 | 1 | 21164 | 6 | 320C | 8000 | 20 | 192 | 8.0 | 10.7 | 0.6 | 0.042 |
| 80 05 22 0645 | | | .3 | 1 | 21236 | 6 | 480C | 7100 | 92 | 116 | 15.0 | 8.8 | 0.8 | 0.034 |
| 80 06 25 0930 | | | .3 | 1 | 21298 | 6 | 1000 | 16000 | 260 | 120I | 21.0 | 10.2 | 0.8 | 0.063 |
| 80 07 08 0945 | | | .3 | 1 | 21364 | 6 | 1100 | 20000 | 330 | 130 | 17.0 | 9.8 | 0.8 | 0.057 |
| 80 08 14 0715 | | | .3 | 1 | 21426 | 6 | | | | | 17.8 | 9.5 | 1.0 | 0.058 |
| 80 09 25 0730 | | | 3 | 1 | 21488 | 6 | | | | | 8.0 | 9.0 | 0.4 | 0.026 |
| 80 10 09 1520 | | | .3 | 1 | 21562 | 6 | 340 | 4500 | 50I | 100 | 9.0 | 9.4 | 1.0 | 0.027 |
| 80 11 19 0900 | | | .3 | 1 | 21614 | 6 | 860C | 5600 | 10I | 50I | 0.0 | 12.2 | 0.6 | 0.022 |
| 80 12 10 0900 | | | .3 | 1 | 21677 | 6 | | | | | 1.0 | 13.6 | 0.2< | 0.048 |
| MAXIMUM | | | | | | | 9700 | 64000 | 1280 | 2600 | 21.0 | 13.6 | 3.4 | 0.123 |
| ARITH MEAN | | | | | | | 1601 | 14378 | 238 | 388 | 8.3 | 10.8 | 0.8L | 0.051 |
| GEOM MEAN | | | | | | | 705 | 7829 | 78 | 160 | 4.8 | 10.6 | 0.6L | 0.046 |
| MINIMUM | | | | | | | 250 | 1300 | 10 | 50 | 0.0 | 8.8 | 0.2< | 0.022 |
| STD DEV | | | | | | | 3054 | 19582 | 407 | 830 | 7.8 | 1.7 | 0.9L | 0.027 |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 24 1145 | | | .3 | 1 | 0.016 | 0.166 | 0.490 | 0.011 | 1.640 | 1.817 | 0.324 | 2.141 | 318.0 | 19.0 |
| 80 02 28 1000 | | | .3 | 1 | 0.013 | 0.172 | 0.550 | 0.009 | 1.490 | 1.671 | 0.378 | 2.049 | 307.0 | 23.0 |
| 80 03 25 1050 | | | .3 | 1 | 0.096 | 0.350 | 0.450 | 0.023 | 1.030 | 1.403 | 0.100 | 1.503 | 459.0 | 309.0 |
| 80 04 24 0640 | | | .3 | 1 | 0.008 | 0.030 | 0.330 | 0.011 | 1.140 | 1.181 | 0.300 | 1.481 | 306.0 | 23.0 |
| 80 05 22 0645 | | | .3 | 1 | 0.002 | 0.034 | 0.380 | 0.034 | 0.012 | 0.080 | 0.346 | 0.426 | 292.0 | 16.0 |
| 80 06 25 0930 | | | .3 | 1 | 0.010 | 0.038 | 0.410 | 0.017 | 0.428 | 0.483 | 0.372 | 0.855 | 290.0 | 23.0 |
| 80 07 08 0945 | | | .3 | 1 | 0.006 | 0.024 | 0.380 | 0.016 | 0.504 | 0.544 | 0.356 | 0.900 | 300.0 | 24.0 |
| 80 08 14 0715 | | | .3 | 1 | 0.011 | 0.054 | 0.400 | 0.015 | 0.300 | 0.369 | 0.346 | 0.715 | 307.0 | 31.0 |
| 80 09 25 0730 | | | .3 | 1 | 0.006 | 0.030 | 0.280 | 0.005 | 0.395 | 0.430 | 0.250 | 0.680 | 278.0 | 15.0 |
| 80 10 09 1520 | | | .3 | 1 | 0.004 | 0.032 | 0.29 | 0.004 | 0.476 | 0.512 | 0.258 | 0.770 | 268 | 7 |
| 80 11 19 0900 | | | .3 | 1 | 0.002 | 0.026 | 0.250 | 0.004 | 1.150 | 1.180 | 0.224 | 1.404 | 318.0 | 9.0 |
| 80 12 10 0900 | | | 3 | 1 | 0.016 | 0.074 | 0.530 | 0.007 | 1.690 | 1.771 | 0.456 | 2.227 | 338.0 | 22.0 |
| MAXIMUM | | | | | 0.096 | 0.350 | 0.550 | 0.034 | 1.690 | 1.817 | 0.456 | 2.227 | 459.0 | 309.0 |
| ARITH MEAN | | | | | 0.016 | 0.086 | 0.39 | 0.013 | 0.855 | 0.953 | 0.309 | 1.263 | 316 | 43 |
| GEOM MEAN | | | | | 0.009 | 0.056 | 0.38 | 0.011 | 0.563 | 0.715 | 0.292 | 1.116 | 312 | 22 |
| MINIMUM | | | | | 0.002 | 0.024 | 0.250 | 0.004 | 0.012 | 0.080 | 0.100 | 0.426 | 268 | 7 |
| STD DEV | | | | | 0.026 | 0.098 | 0.09 | 0.009 | 0.572 | 0.618 | 0.092 | 0.627 | 49 | 83 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH | ASUT | HGUT | ALUT | CRUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. U G/I AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR |
| 80 01 24 1145 | | | .3 | 1 | 299.0 | 505.0 | 6.50 | 7.750 | | 7.4 | | | | |
| 80 02 28 1000 | | | .3 | 1 | 284.0 | 453.0 | | 5.150 | 7.75 | 7.9 | | | | |
| 80 03 25 1050 | | | .3 | 1 | 150.000 | 230.0 | | 20.000 | 7.74 | 6.5 | | | | |
| 80 04 24 0640 | | | .3 | 1 | 283.0 | 465.0 | 8.60 | 7.100 | 8.03 | 8.3 | | | | |
| 80 05 22 0645 | | | .3 | 1 | 276.000 | 425.0 | 4.40 | 5.900 | 8.07 | 8.0 | 0.001< | | 0.270 | 0.030 |
| 80 06 25 0930 | | | .3 | 1 | 267.000 | 410.0 | 7.10 | 4.085 | 8.24 | 7.6 | | | | |
| 80 07 08 0945 | | | .3 | 1 | 276.000 | 425.0 | 12.00 | 6.150 | 8.25 | 8.5 | 0.001< | 0.03 < | 0.85 | 0.02 < |
| 80 08 14 0715 | | | .3 | 1 | 276.000 | 425.0 | 9.80 | 4.800 | 8.10 | | | | | |
| 80 09 25 0730 | | | .3 | 1 | 263.0 | 440.0 | 2.80 | 5.100 | 8.21 | 7.4 | | | | |
| 80 10 09 1520 | | | .3 | 1 | 261 | 430 | 2.9 | 5.40 | 8.31 | 7.9 | 0.001< | 0.040< | 0.110 | 0.004 |
| 80 11 19 0900 | | | .3 | 1 | 309.0 | 490.0 | | 7.300 | 8.12 | 7.7 | | | | |
| 80 12 10 0900 | | | .3 | 1 | 316.0 | 520.0 | 6.00 | 9.150 | 8.05 | 8.2 | | | | |
| MAXIMUM | | | | | 316.0 | 520.0 | 12.00 | 20.000 | 8.31 | 8.5 | 0.001 | 0.040 | 0.85 | 0.030 |
| ARITH MEAN | | | | | 271 | 434 | 6.6 | 7.32 | 8.08 | 7.8 | 0.001L | 0.03 L | 0.41 | 0.01 L |
| GEOM MEAN | | | | | 267 | 427 | 6.0 | 6.64 | 8.08 | 7.7 | 0.001L | 0.03 L | 0.29 | 0.01 L |
| MINIMUM | | | | | 150.000 | 230.0 | 2.80 | 4.085 | 7.74 | 6.5 | 0.001< | 0.03 < | 0.110 | 0.004< |
| STD DEV | | | | | 42 | 73 | 3.1 | 4.24 | 0.19 | 0.6 | 0.000L | 0.00 L | 0.38 | 0.01 L |
| NO OF SAMPLES | | | | | 12 | 12 | 9 | 12 | 11 | 11 | 3 | 2 | 3 | 3 |

| TEST-NAME: | | | | | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 05 22 0645 | | | .3 | 1 | 0.060 | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020< | |
| 80 07 08 0945 | | | .3 | 1 | 0.01 < | 0.03 < | 0.005 < | 0.01 < | 0.06 | 0.02 < | 0.01 < |
| 80 10 09 1520 | | | .3 | 1 | 0.003 | 0.003< | 0.0002< | 0.001< | 0.010 | 0.002< | 0.010< |
| MAXIMUM | | | | | 0.060 | 0.03 | 0.005 | 0.01 | 0.06 | 0.02 | 0.010 |
| ARITH MEAN | | | | | 0.02 L | 0.02 L | 0.003 L | 0.00 L | 0.03 L | 0.01 L | 0.01 L |
| GEOM MEAN | | | | | 0.01 L | 0.01 L | 0.001 L | 0.00 L | 0.02 L | 0.00 L | 0.01 L |
| MINIMUM | | | | | 0.003< | 0.003< | 0.0002< | 0.001< | 0.010< | 0.002< | 0.01 < |
| STD DEV | | | | | 0.03 L | 0.01 L | 0.002 L | 0.00 L | 0.02 L | 0.01 L | 0.00 L |
| NO OF SAMPLES | | | | | 3 | 3 | 3 | 3 | 3 | 3 | 2 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **PLATO CREEK**
SAMPLE POINT: **HIGHWAY 7 1 MILE EAST OF HAVELOCK**
STATION TYPE: **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ONTARIO**
TERM STREAM **TRENT RIVER**

STATION ID: **17-0021-072-02**
STORET CODE: **02**
**004**
**1220**

LAT
LONG
U T M: **18 0272975.0 4923700.0 4**
REGION **03**
DISTANCE: **98.167**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 02 28 1100 | | | 3 | 1 | 21033 | 6 | 270 | 750 | 100 | 20I | 0.0 | 10.6 | 0.2 | 0.071 |
| 80 03 25 1200 | | | 3 | 1 | 21096 | 6 | 1100 | 8900 | 10I | 100 | 1.5 | 12.9 | 0.8 | 0.036 |
| 80 04 24 0800 | | | 3 | 1 | 21167 | 6 | 108C | 2000 | 2< | 6 | 8.5 | 6.2 | 0.2 | 0.086 |
| 80 05 22 0910 | | | 3 | 1 | 21239 | 6 | | | | | 15.5 | 5.4 | 1.0 | 0.043 |
| 80 06 25 1040 | | | 3 | 1 | 21304 | 6 8 | 1100 | 6700 | 212 | 48 | 20.0 | 8.8 | 1.0 | 0.071 |
| 80 07 08 1120 | | | 3 | 1 | 21367 | 6 9 | 2350C | 63000 | 600 | 1500> | 17.0 | 7.4 | 1.2 | 0.074 |
| 80 08 14 0825 | | | 3 | 1 | 21429 | 8 5 9 | | | | | 17.5 | 5.1 | 0.8 | 0.072 |
| 80 09 25 0850 | | | 3 | 1 | 21491 | 6 | | | | | 8.8 | 5.4 | 0.5 | 0.078 |
| 80 10 09 1338 | | | 3 | 1 | 21565 | 6 9 | 280 | 4100 | 80I | 40I | 9.2 | 6.2 | 1.0 | 0.060 |
| 80 11 19 1010 | | | 3 | 1 | 21617 | 4 | 320 | 2600 | 20I | 10I | 0.5 | 9.1 | 0.6 | 0.035 |
| 80 12 10 1020 | | | 3 | 1 | 21680 | 4 | | | | | 0.0 | 11.2 | 0.3 | 0.021 |
| MAXIMUM | | | | | | | 2350 | 63000 | 600 | 1500> | 20.0 | 12.9 | 1.2 | 0.086 |
| ARITH MEAN | | | | | | | 790 | 12579 | 148L | 246G | 9.0 | 8.0 | 0.7 | 0.059 |
| GEOM MEAN | | | | | | | 496 | 4616 | 46L | 46G | 5.0 | 7.6 | 0.6 | 0.054 |
| MINIMUM | | | | | | | 108 | 750 | 2< | 6 | 0.0 | 5.1 | 0.2 | 0.021 |
| STD DEV | | | | | | | 800 | 22412 | 213L | 554G | 7.7 | 2.7 | 0.4 | 0.021 |
| NO OF SAMPLES | | | | | | | 7 | 7 | 7 | 7 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 02 28 1100 | | | 3 | 1 | 0.021 | 0.146 | 0.690 | 0.010 | 0.600 | 0.756 | 0.544 | 1.300 | 365.0 | 8.0 |
| 80 03 25 1200 | | | 3 | 1 | 0.010 | 0.066 | 0.490 | 0.010 | 0.470 | 0.546 | 0.424 | 0.970 | 168.0 | 2.0 |
| 80 04 24 0800 | | | 3 | 1 | 0.028 | 0.012 | 0.360 | 0.003 | 0.037 | 0.052 | 0.348 | 0.400 | 265.0 | 2.0 |
| 80 05 22 0910 | | | 3 | 1 | 0.002 | 0.010 | 0.560 | 0.003 | 0.002 | 0.015 | 0.550 | 0.565 | 276.0 | 3.0 |
| 80 06 25 1040 | | | 3 | 1 | 0.033 | 0.046 | 0.540 | 0.004 | 0.006 | 0.056 | 0.494 | 0.550 | 274.0 | 3.0 |
| 80 07 08 1120 | | | 3 | 1 | 0.034 | 0.048 | 0.620 | 0.007 | 0.023 | 0.078 | 0.572 | 0.650 | 305.0 | 4.0 |
| 80 08 14 0825 | | | 3 | 1 | 0.037 | 0.054 | 0.550 | 0.012 | 0.023 | 0.089 | 0.496 | 0.585 | 352.0 | 6.0 |
| 80 09 25 0850 | | | 3 | 1 | 0.041 | 0.046 | 0.500 | 0.006 | 0.029 | 0.081 | 0.454 | 0.535 | 306.0 | 4.0 |
| 80 10 09 1338 | | | 3 | 1 | 0.032 | 0.024 | 0.47 | 0.001 | 0.009 | 0.034 | 0.446 | 0.480 | 313 | 2 |
| 80 11 19 1010 | | | 3 | 1 | 0.018 | 0.342 | 0.970 | 0.027 | 0.283 | 0.652 | 0.628 | 1.280 | 350.0 | 2.0 |
| 80 12 10 1020 | | | 3 | 1 | 0.010 | 0.012 | 0.490 | 0.003 | 0.227 | 0.242 | 0.478 | 0.720 | 314.0 | 4.0 |
| MAXIMUM | | | | | 0.041 | 0.342 | 0.970 | 0.027 | 0.600 | 0.756 | 0.628 | 1.300 | 365.0 | 8.0 |
| ARITH MEAN | | | | | 0.024 | 0.073 | 0.56 | 0.008 | 0.155 | 0.236 | 0.494 | 0.730 | 298 | 3 |
| GEOM MEAN | | | | | 0.019 | 0.041 | 0.55 | 0.006 | 0.044 | 0.117 | 0.488 | 0.679 | 293 | 3 |
| MINIMUM | | | | | 0.002 | 0.010 | 0.360 | 0.001 | 0.002 | 0.015 | 0.348 | 0.400 | 168.0 | 2.0 |
| STD DEV | | | | | 0.013 | 0.097 | 0.16 | 0.007 | 0.212 | 0.277 | 0.077 | 0.313 | 54 | 1 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 02 28 1100 | | | 3 | 1 | 357.0 | 570.0 | 27.000 | 7.77 | 7.5 |
| 80 03 25 1200 | | | 3 | 1 | 166.000 | 255.0 | 10.000 | 7.74 | 7.6 |
| 80 04 24 0800 | | | 3 | 1 | 263.000 | 405.0 | 12.000 | 7.60 | 7.6 |
| 80 05 22 0910 | | | 3 | 1 | 273.000 | 420.0 | 13.500 | 7.59 | 7.6 |
| 80 06 25 1040 | | | 3 | 1 | 271.000 | 450.0 | 16.500 | 7.77 | 7.5 |
| 80 07 08 1120 | | | 3 | 1 | 301.0 | 475.0 | 18.000 | 7.76 | 8.0 |
| 80 08 14 0825 | | | 3 | 1 | 346.0 | 495.0 | 20.000 | 7.60 | |
| 80 09 25 0850 | | | 3 | 1 | 302.0 | 530.0 | 25.000 | 7.85 | 7.7 |
| 80 10 09 1338 | | | 3 | 1 | 311 | 520 | 24.5 | 7.71 | 7.1 |
| 80 11 19 1010 | | | 3 | 1 | 348.0 | 580.0 | 37.500 | 7.66 | 7.6 |
| 80 12 10 1020 | | | 3 | 1 | 310.0 | 485.0 | 23.000 | 7.73 | 7.5 |
| MAXIMUM | | | | | 357.0 | 580.0 | 37.500 | 7.85 | 8.0 |
| ARITH MEAN | | | | | 295 | 471 | 20.6 | 7.71 | 7.6 |
| GEOM MEAN | | | | | 289 | 461 | 19.2 | 7.71 | 7.6 |
| MINIMUM | | | | | 166.000 | 255.0 | 10.000 | 7.59 | 7.1 |
| STD DEV | | | | | 53 | 90 | 7.9 | 0.08 | 0.2 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 10 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **PIGEON RIVER**
SAMPLE POINT: **FEE LANDING 3 MILES NORTH OF OMEMEE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-074-02**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **17 0695950.0 4912550.0 4** REGION: **03** DISTANCE: **228.911**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 03 25 1808 | | | .3 | 1 | 21116 | 4 | 15000 | 150000 | 96 | 600> | 0.0 | 8.7 | 1.8 | 0.080 |
| 80 04 24 1800 | | | .3 | 1 | 21187 | 6 | 30I | 200 | 10< | 10< | 13.4 | 11.3 | 1.2 | 0.017 |
| 80 05 23 1530 | | | .3 | 1 | 21266 | 6 9 | 1120 | 1100 | 4< | 8 | 24.5 | 9.7 | 1.6 | 0.032 |
| 80 06 26 1530 | | | .3 | 1 | 21336 | 6 9 | | | | | 24.5 | 9.7 | 1.0 | 0.024 |
| 80 07 09 0730 | | | .3 | 1 | 21399 | 6 9 | | | | | 19.0 | 8.1 | 0.8 | 0.016 |
| 80 08 15 0700 | | | .3 | 1 | 21461 | 6 8 9 | 248C | 5280 | 28 | 148 | 20.0 | 9.6 | 0.6 | 0.015 |
| 80 09 26 1030 | | | .3 | 1 | 21523 | 5 8 9 | | 3650 | 8 | 108 | 11.5 | 7.6 | 0.6 | 0.015 |
| 80 10 08 | | | .3 | 1 | 21554 | 8 | 80C | 4100 | 4< | 4 | | | 0.4 | 0.023 |
| 80 11 26 0930 | | | .3 | 1 | 21637 | 6 | | | | | 2.0 | 9.6 | 1.6 | 0.013 |
| 80 12 11 1520 | | | .3 | 1 | 21712 | 6 | | | | | 2.0 | 11.5 | 0.6 | 0.012 |
| MAXIMUM | | | | | | | 15000 | 150000 | 96 | 600> | 24.5 | 11.5 | 1.8 | 0.080 |
| ARITH MEAN | | | | | | | 3296 | 27388 | 25L | 1488 | 13.0 | 9.5 | 1.0 | 0.028 |
| GEOM MEAN | | | | | | | 398 | 3710 | 12L | 388 | 8.0 | 9.5 | 0.9 | 0.021 |
| MINIMUM | | | | | | | 30 | 200 | 4< | 4< | 0.0 | 7.8 | 0.4 | 0.012 |
| STD DEV | | | | | | | 6558 | 60097 | 38L | 2308 | 9.8 | 1.3 | 0.5 | 0.020 |
| NO OF SAMPLES | | | | | | | 5 | 6 | 6 | 6 | 9 | 9 | 10 | 10 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 03 25 1808 | | | .3 | 1 | 0.036 | 0.198 | 0.830 | 0.024 | 0.606 | 0.828 | 0.632 | 1.460 | 130.0 | 6.0 |
| 80 04 24 1800 | | | .3 | 1 | 0.002 | 0.052 | 0.470 | 0.016 | 0.049 | 0.117 | 0.418 | 0.535 | 223.0 | 2.0 |
| 80 05 23 1530 | | | .3 | 1 | 0.001 | 0.006 | 0.650 | 0.003 | 0.002 | 0.011 | 0.644 | 0.655 | 227.0 | 3.0 |
| 80 06 26 1530 | | | .3 | 1 | 0.003 | 0.048 | 0.570 | 0.002 | 0.008 | 0.058 | 0.522 | 0.580 | 165 | 2 |
| 80 07 09 0730 | | | .3 | 1 | 0.002 | 0.030 | 0.580 | 0.002 | 0.003 | 0.035 | 0.550 | 0.585 | 200.0 | 2.0 |
| 80 08 15 0700 | | | .3 | 1 | 0.001 | 0.048 | 0.72 | 0.003 | 0.017 | 0.068 | 0.672 | 0.740 | 200 | 2 |
| 80 09 26 1030 | | | .3 | 1 | 0.002 | 0.066 | 0.62 | 0.002 | 0.013 | 0.081 | 0.554 | 0.635 | 225 | 1 |
| 80 10 08 | | | .3 | 1 | 0.013 | 0.056 | 0.520 | 0.012 | 0.008 | 0.076 | 0.464 | 0.540 | 232.0 | 0.9 |
| 80 11 26 0930 | | | .3 | 1 | 0.005 | 0.020 | 0.380 | 0.003 | 0.015 | 0.038 | 0.360 | 0.398 | 294.0 | 4.0 |
| 80 12 11 1520 | | | .3 | 1 | 0.002 | 0.022 | 0.410 | 0.006 | 0.254 | 0.282 | 0.388 | 0.670 | 284.0 | 0.6 |
| MAXIMUM | | | | | 0.036 | 0.198 | 0.830 | 0.024 | 0.606 | 0.828 | 0.672 | 1.460 | 294.0 | 6.0 |
| ARITH MEAN | | | | | 0.007 | 0.055 | 0.57 | 0.007 | 0.097 | 0.159 | 0.520 | 0.680 | 218 | 2 |
| GEOM MEAN | | | | | 0.003 | 0.038 | 0.56 | 0.005 | 0.020 | 0.079 | 0.509 | 0.641 | 212 | 1 |
| MINIMUM | | | | | 0.001 | 0.006 | 0.380 | 0.002 | 0.002 | 0.011 | 0.360 | 0.398 | 130.0 | 0.6 |
| STD DEV | | | | | 0.011 | 0.054 | 0.13 | 0.008 | 0.194 | 0.247 | 0.110 | 0.289 | 49 | 1 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 03 25 1808 | | | .3 | 1 | 124.000 | 190.0 | 7.40 | 4.900 | 7.50 | 7.4 |
| 80 04 24 1800 | | | .3 | 1 | 221.000 | 340.0 | | 8.100 | 8.32 | 8.3 |
| 80 05 23 1530 | | | .3 | 1 | | 345.0 | 1.80 | 6.100 | 8.14 | 8.4 |
| 80 06 26 1530 | | | .3 | 1 | 163 | 250 | | 3.50 | 8.33 | 8.4 |
| 80 07 09 0730 | | | .3 | 1 | 198.000 | 305.0 | | 4.150 | 8.15 | 8.3 |
| 80 08 15 0700 | | | .3 | 1 | 198 | 305 | | 5.45 | 7.90 | |
| 80 09 26 1030 | | | .3 | 1 | 224 | 345 | | 5.35 | 7.99 | 8.3 |
| 80 10 08 | | | .3 | 1 | 231.000 | 355.0 | | 4.900 | 8.03 | |
| 80 11 26 0930 | | | .3 | 1 | 290.0 | 435.0 | | 8.100 | 7.89 | 7.8 |
| 80 12 11 1520 | | | .3 | 1 | 283.0 | 455.0 | | 9.350 | 7.71 | 7.3 |
| MAXIMUM | | | | | 290.0 | 455.0 | 7.40 | 9.350 | 8.33 | 8.4 |
| ARITH MEAN | | | | | 214 | 332 | 4.60 | 5.99 | 8.00 | 8.0 |
| GEOM MEAN | | | | | 208 | 323 | 3.65 | 5.72 | 7.99 | 8.0 |
| MINIMUM | | | | | 124.000 | 190.0 | 1.80 | 3.50 | 7.50 | 7.3 |
| STD DEV | | | | | 52 | 78 | 3.96 | 1.91 | 0.26 | 0.5 |
| NO OF SAMPLES | | | | | 9 | 10 | 2 | 10 | 10 | 8 |

STATION ID: **17-0021-075-02**

B.O.W./ SITE: **BURNT RIVER**
SAMPLE POINT: **FIRST BRIDGE 4 MILES SOUTH OF KINMOUNT**
STATION TYPE: **RIVER FLOW GAUGE FED 02HF003**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **17 0685250.0 4956500.0 4** REGION: **03** DISTANCE: **281.306**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 21 1250 | | | .3 | 1 | 21007 | 6 | 26.100 | 80I | 180 | 8 | 4 | 0.0 | 11.2 | 0.2 |
| 80 03 26 1140 | | | .3 | 1 | 21124 | 4 | 57.200 | 300 | 3200 | 10I | 10 | 0.8 | 13.9 | 0.2 |
| 80 04 25 0745 | | | .3 | 1 | 21195 | 6 | 31.100 | 180I | 320 | 16 | 4< | 9.0 | 9.4 | 0.6 |
| 80 05 22 1100 | | | .3 | 1 | 21267 | 6 | 13.000 | 172C | 9600> | 14 | 2< | 17.8 | 8.5 | 0.4 |
| 80 06 26 1215 | | | .3 | 1 | 21331 | 6 | 16.200 | | | | | 21.0 | 10.6 | 0.6 |
| 80 07 09 1500 | | | .3 | 1 | 21394 | 6 | 12.500 | 230C | 4100 | 24 | 44 | 19.2 | 9.0 | 0.8 |
| 80 08 15 1035 | | | .3 | 1 | 21456 | 6 | 9.280 | 88C | 2880 | 36 | 72 | 19.5 | 8.5 | 0.4 |
| 80 09 26 1130 | | | .3 | 1 | 21518 | 6 | 12.500 | 270C | 2100 | 84 | 44 | 11.0 | 8.3 | 0.6 |
| 80 10 08 1000 | | | .3 | 1 | 21549 | 6 9 | 6.640 | 4000 | 14000 | 12 | 2< | 9.0 | 8.6 | 0.6 |
| 80 11 25 1130 | | | .3 | 1 | 21645 | 6 | 20.900 | 210 | 290 | 24 | 4< | 2.0 | 12.0 | 0.6 |
| 80 12 11 1230 | | | .3 | 1 | 21707 | 6 | 29.500 | | | | | 0.0 | 13.0 | 0.2 |
| MAXIMUM | | | | | | | 57.200 | 4000 | 14000> | 84 | 72 | 21.0 | 13.9 | 0.8 |
| ARITH MEAN | | | | | | | 21.366 | 614 | 4074G | 25 | 21L | 9.9 | 10.3 | 0.5 |
| GEOM MEAN | | | | | | | 17.834 | 247 | 1779G | 19 | 9L | 6.7 | 10.1 | 0.4 |
| MINIMUM | | | | | | | 6.640 | 80 | 180 | 8 | 2< | 0.0 | 8.3 | 0.2 |
| STD DEV | | | | | | | 14.438 | 1272 | 4727G | 24 | 26L | 8.4 | 2.0 | 0.2 |
| NO OF SAMPLES | | | | | | | 11 | 9 | 9 | 9 | 9 | 11 | 11 | 11 |

(CONTD)

STATION ID: **17-0021-075-02**

B.O.W / SITE: **BURNT RIVER**
SAMPLE POINT: **FIRST BRIDGE 4 MILE3 SOUTH OF KINMOUNT**
STATION TYPE: **RIVER FLOW GAUGE FED 02HF003**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STORET CODE: **02**
**004**
**1220**

LAT. LONG: U T M: **17 0685250.0 4956500.0 4** REGION: **03** DISTANCE: **281.306**

| TEST-NAME: | | | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 21 1250 | | | .3 | 1 | 0.011 | 0.004 | 0.064 | 0.390 | 0.003 | 0.142 | 0.209 | 0.326 | 0.535 | 68.0 |
| 80 03 26 1140 | | | .3 | 1 | 0.026 | 0.001 | 0.162 | 0.520 | 0.005 | 0.240 | 0.407 | 0.358 | 0.765 | 58.0 |
| 80 04 25 0745 | | | .3 | 1 | 0.011 | 0.001 | 0.028 | 0.290 | 0.002 | 0.098 | 0.128 | 0.262 | 0.390 | 67.0 |
| 80 05 22 1100 | | | .3 | 1 | 0.013 | 0.001< | 0.020 | 0.390 | 0.003 | 0.037 | 0.060 | 0.370 | 0.430 | 70.0 |
| 80 06 26 1215 | | | .3 | 1 | 0.020 | 0.002 | 0.034 | 0.420 | 0.003 | 0.032 | 0.069 | 0.386 | 0.455 | 67.0 |
| 80 07 09 1500 | | | .3 | 1 | 0.013 | 0.001 | 0.030 | 0.320 | 0.002 | 0.036 | 0.068 | 0.290 | 0.358 | 70.0 |
| 80 08 15 1035 | | | .3 | 1 | 0.006 | 0.005 | 0.042 | 0.37 | 0.003 | 0.047 | 0.092 | 0.328 | 0.420 | 70 |
| 80 09 26 1130 | | | .3 | 1 | 0.008 | 0.001< | 0.040 | 0.30 | 0.002 | 0.038 | 0.080 | 0.260 | 0.340 | 68 |
| 80 10 08 1000 | | | .3 | 1 | 0.017 | 0.007 | 0.024 | 0.380 | 0.015 | 0.045 | 0.084 | 0.356 | 0.440 | 68.0 |
| 80 11 25 1130 | | | .3 | 1 | 0.010 | 0.003 | 0.042 | 0.340 | 0.002 | 0.090 | 0.134 | 0.298 | 0.432 | 79.0 |
| 80 12 11 1230 | | | .3 | 1 | 0.087 | 0.077 | 0.056 | 0.440 | 0.003 | 0.102 | 0.161 | 0.384 | 0.545 | 62.0 |
| MAXIMUM | | | | | 0.087 | 0.077 | 0.162 | 0.520 | 0.015 | 0.240 | 0.407 | 0.386 | 0.765 | 79.0 |
| ARITH MEAN | | | | | 0.020 | 0.009L | 0.049 | 0.37 | 0.004 | 0.082 | 0.136 | 0.329 | 0.465 | 67 |
| GEOM MEAN | | | | | 0.015 | 0.003L | 0.041 | 0.37 | 0.003 | 0.066 | 0.114 | 0.326 | 0.453 | 67 |
| MINIMUM | | | | | 0.006 | 0.001< | 0.020 | 0.290 | 0.002 | 0.032 | 0.060 | 0.260 | 0.340 | 58.0 |
| STD DEV | | | | | 0.023 | 0.023L | 0.040 | 0.06 | 0.004 | 0.064 | 0.101 | 0.046 | 0.118 | 5 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | RSP | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 21 1250 | | | .3 | 1 | 1.0< | 104.0 | 0.90 | 3.250 | | 7.9 |
| 80 03 26 1140 | | | .3 | 1 | 6.0 | 80.0 | 1.80 | 2.650 | 7.37 | 7.6 |
| 80 04 25 0745 | | | .3 | 1 | 3.0 | 98.0 | 1.30 | 3.500 | 7.60 | 7.7 |
| 80 05 22 1100 | | | .3 | 1 | 2.0 | 105.0 | | 3.500 | 7.72 | 7.6 |
| 80 06 26 1215 | | | .3 | 1 | 2.0 | 100.0 | 1.40 | 3.150 | 7.54 | 7.7 |
| 80 07 09 1500 | | | .3 | 1 | 2.0 | 105.0 | 1.50 | 3.300 | 7.78 | 8.0 |
| 80 08 15 1035 | | | .3 | 1 | 2 | 105 | 1.3 | 2.95 | 7.26 | |
| 80 09 26 1130 | | | .3 | 1 | 1 | 103 | 1.1 | 3.05 | 7.57 | 8.3 |
| 80 10 08 1000 | | | .3 | 1 | 3.0 | 100.0 | 1.60 | 3.450 | 7.46 | 8.0 |
| 80 11 25 1130 | | | .3 | 1 | 4.0 | 115.0 | 0.85 | 3.450 | 8.08 | 6.7 |
| 80 12 11 1230 | | | .3 | 1 | 2.0 | 92.0 | 0.90 | 3.100 | 7.53 | 7.4 |
| MAXIMUM | | | | | 6.0 | 115.0 | 1.80 | 3.500 | 8.08 | 8.3 |
| ARITH MEAN | | | | | 2 L | 100 | 1.2 | 3.21 | 7.59 | 7.7 |
| GEOM MEAN | | | | | 2 L | 100 | 1.2 | 3.20 | 7.59 | 7.7 |
| MINIMUM | | | | | 1.0< | 80.0 | 0.85 | 2.650 | 7.26 | 6.7 |
| STD DEV | | | | | 1 L | 8 | 0.3 | 0.26 | 0.23 | 0.4 |
| NO OF SAMPLES | | | | | 11 | 11 | 10 | 11 | 10 | 10 |

STATION ID: **17-0021-076-02**

B.O.W / SITE: **GULL RIVER**
SAMPLE POINT: **HIGHWAY 503 BRIDGE NORLAND**
STATION TYPE: **RIVER FLOW GAUGE FED 02HF002**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STORET CODE: **02**
**004**
**1220**

LAT. LONG: U T M: **17 0673310.0 4954950.0 4** REGION: **03** DISTANCE: **278.892**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 02 29 1200 | | | .3 | 1 | 21058 | 6 | 7.110 | 50I | 20 | 4 | 4< | 0.0 | 12.6 | 0.015 |
| 80 03 26 1210 | | | .3 | 1 | 21125 | 6 | 23.300 | 80I | 310 | 4 | 12 | 1.2 | 12.8 | 0.007 |
| 80 04 25 0810 | | | .3 | 1 | 21196 | 6 | 53.400 | 16 | 64 | 2< | 6 | 6.0 | 10.2 | 0.008 |
| 80 05 23 1140 | | | .3 | 1 | 21268 | 6 | 13.400 | 172C | 2240 | 4< | 20 | 16.0 | 9.4 | 0.014 |
| 80 06 26 1240 | | | .3 | 1 | 21332 | 6 | 35.900 | | | | | 19.6 | 9.8 | 0.009 |
| 80 07 09 1420 | | | .3 | 1 | 21395 | 6 | 17.900 | 1130 | 1420 | 4 | 600> | 19.0 | 8.8 | 0.054 |
| 80 08 15 1110 | | | .3 | 1 | 21457 | 6 | 35.400 | 92 | 640 | 4< | 164 | 20.2 | 9.4 | 0.001< |
| 80 09 26 1200 | | | .3 | 1 | 21519 | 6 | 19.600 | 52C | 5600 | 4< | 48 | 12.8 | 8.4 | 0.003 |
| 80 10 08 | | | .3 | 1 | 21550 | 8 | 21.700 | 84C | 1120 | 4< | 12 | | | 0.013 |
| 80 11 25 1215 | | | .3 | 1 | 21646 | 6 | 25.100 | 84 | 52 | 28 | 2< | 1.5 | 10.5 | 0.009 |
| 80 12 11 1300 | | | .3 | 1 | 21708 | 6 | 29.800 | | | | | 2.0 | 12.2 | 0.165 |
| MAXIMUM | | | | | | | 53.400 | 1130 | 5600 | 28 | 600> | 20.2 | 12.8 | 0.165 |
| ARITH MEAN | | | | | | | 26.692 | 196 | 1274 | 6L | 968 | 9.8 | 10.4 | 0.027L |
| GEOM MEAN | | | | | | | 22.782 | 91 | 400 | 5L | 218 | 5.7 | 10.3 | 0.011L |
| MINIMUM | | | | | | | 7.110 | 16 | 20 | 2< | 2< | 0.0 | 8.4 | 0.001< |
| STD DEV | | | | | | | 12.646 | 353 | 1787 | 8L | 1968 | 8.5 | 1.6 | 0.048L |
| NO OF SAMPLES | | | | | | | 11 | 9 | 9 | 9 | 9 | 10 | 10 | 11 |

| TEST-NAME: | | | | | NNHTFR | NNTKUR | NNKUR | COND25 | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | KJELDAHL ORGANIC UNF.REAC MG/L | CONDUCT. 25C UMHO/CM AT 25 C | PH | PH FIELD |
| 80 02 29 1200 | | | .3 | 1 | 0.020 | 0.240 | 0.220 | 69.0 | 7.09 | 6.8 |
| 80 03 26 1210 | | | .3 | 1 | 0.038 | 0.280 | 0.242 | 65.0 | 7.20 | 7.7 |
| 80 04 25 0810 | | | .3 | 1 | 0.010 | 0.190 | 0.180 | 72.0 | 7.40 | 7.7 |
| 80 05 23 1140 | | | .3 | 1 | 0.010 | 0.320 | 0.310 | 75.0 | 7.41 | 7.8 |
| 80 06 26 1240 | | | .3 | 1 | 0.018 | 0.230 | 0.212 | 70.0 | 7.41 | 7.6 |
| 80 07 09 1420 | | | .3 | 1 | 0.022 | 0.220 | 0.198 | 70.0 | 7.69 | 8.1 |
| 80 08 15 1110 | | | .3 | 1 | 0.024 | 0.24 | 0.216 | 60 | 7.30 | |
| 80 09 26 1200 | | | .3 | 1 | 0.022 | 0.20 | 0.178 | 63 | 7.35 | 8.0 |
| 80 10 08 | | | .3 | 1 | 0.028 | 0.270 | 0.242 | 60.0 | 7.15 | |
| 80 11 25 1215 | | | .3 | 1 | 0.022 | 0.240 | 0.218 | 67.0 | 7.26 | 8.2 |
| 80 12 11 1300 | | | .3 | 1 | 0.010 | 0.240 | 0.230 | 66.0 | 7.34 | 7.1 |
| MAXIMUM | | | | | 0.038 | 0.320 | 0.310 | 75.0 | 7.69 | 8.2 |
| ARITH MEAN | | | | | 0.020 | 0.24 | 0.222 | 67 | 7.33 | 7.7 |
| GEOM MEAN | | | | | 0.019 | 0.24 | 0.220 | 66 | 7.33 | 7.7 |
| MINIMUM | | | | | 0.010 | 0.190 | 0.178 | 60 | 7.09 | 6.8 |
| STD DEV | | | | | 0.008 | 0.03 | 0.036 | 4 | 0.16 | 0.5 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 9 |

B.O.W./ SITE: **BAXTER CREEK**
SAMPLE POINT: **AT CONCESSION NO 5 TWP OF CAVAN**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-077-02**
STORET CODE: **02**
**004**
**1230**

LAT: LONG: U T M **17 0703375.0 4889850.0 4** REGION **03** DISTANCE **140.053**

| | | | TEST-NAME: | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 02 28 1630 | | | .3 | 1 | 21047 | 4 | 340 | 2200 | 92 | 28 | 0.0 | 12.2 | 0.2 | 0.071 |
| 80 03 25 1630 | | | .3 | 1 | 21111 | 6 3 | 9000C | 27000 | 280 | 310 | 1.9 | 12.1 | 2.6 | 0.340 |
| 80 04 24 1415 | | | .3 | 1 | 21182 | 6 | 60I | 190 | 2< | 8 | 8.5 | 9.8 | 0.6 | 0.013 |
| 80 05 22 1545 | | | .3 | 1 | 21255 | 6 | 164C | 2960 | 16 | 6 | 15.5 | 11.4 | 0.8 | 0.014 |
| 80 06 25 1635 | | | .3 | 1 | 21320 | 6 | 92C | 5600 | 40 | 36 | 19.2 | 10.1 | 0.2 | 0.018 |
| 80 07 08 1650 | | | .3 | 1 | 21383 | 6 | 410C | 2750 | 16 | 84 | 15.2 | 10.5 | 0.6 | 0.019 |
| 80 08 14 1600 | | | .3 | 1 | 21445 | 6 | | | | | 14.5 | 9.6 | 0.4 | 0.012 |
| 80 09 25 1600 | | | .3 | 1 | 21507 | 6 | | | | | 8.0 | 10.6 | 0.6 | 0.055 |
| 80 10 08 1720 | | | .3 | 1 | 21558 | 6 | 360C | 4800 | 12 | 60 | 9.2 | 9.8 | 0.2 | 0.022 |
| 80 11 19 1650 | | | .3 | 1 | 21633 | 6 | 100I | 1600 | 28 | 20 | 2.5 | 11.6 | 0.6 | 0.045 |
| 80 12 10 1620 | | | .3 | 1 | 21696 | 6 | | | | | 3.2 | 11.3 | 0.2< | 0.012 |
| MAXIMUM | | | | | | | 9000 | 27000 | 280 | 310 | 19.2 | 12.2 | 2.6 | 0.340 |
| ARITH MEAN | | | | | | | 1316 | 5887 | 61L | 69 | 8.9 | 10.8 | 0.6L | 0.066 |
| GEOM MEAN | | | | | | | 283 | 2816 | 26L | 33 | 6.3 | 10.8 | 0.6L | 0.029 |
| MINIMUM | | | | | | | 60 | 190 | 2< | 6 | 0.0 | 9.6 | 0.2< | 0.012 |
| STD DEV | | | | | | | 3108 | 8700 | 93L | 101 | 6.5 | 0.9 | 0.7L | 0.096 |
| NO OF SAMPLES | | | | | | | 8 | 8 | 8 | 8 | 11 | 11 | 11 | 11 |

| | | | TEST-NAME: | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 02 28 1630 | | | .3 | 1 | 0.009 | 0.076 | 0.420 | 0.007 | 1.040 | 1.123 | 0.344 | 1.467 | 297.0 | 30.0 |
| 80 03 25 1630 | | | .3 | 1 | 0.036 | 0.122 | 0.900 | 0.012 | 0.568 | 0.702 | 0.778 | 1.480 | 350.0 | 213.0 |
| 80 04 24 1415 | | | .3 | 1 | 0.006 | 0.008 | 0.130 | 0.003 | 0.567 | 0.578 | 0.122 | 0.700 | 238.0 | 4.0 |
| 80 05 22 1545 | | | .3 | 1 | 0.001< | 0.010 | 0.210 | 0.003 | 0.007 | 0.020 | 0.200 | 0.220 | 232.0 | 4.0 |
| 80 06 25 1635 | | | .3 | 1 | 0.005 | 0.016 | 0.170 | 0.005 | 0.460 | 0.481 | 0.154 | 0.635 | 235.0 | 4.0 |
| 80 07 08 1650 | | | .3 | 1 | 0.003 | 0.002< | 0.27 | 0.004 | 0.456 | 0.462 | 0.268 | 0.730 | 244 | 3 |
| 80 08 14 1600 | | | .3 | 1 | 0.005 | 0.016 | 0.170 | 0.003 | 0.447 | 0.466 | 0.154 | 0.620 | 244.0 | 3.0 |
| 80 09 25 1600 | | | .3 | 1 | 0.013 | 0.026 | 0.25 | 0.002 | 0.503 | 0.531 | 0.224 | 0.755 | 270 | 26 |
| 80 10 08 1720 | | | .3 | 1 | 0.011 | 0.020 | 0.190 | 0.003 | 0.502 | 0.525 | 0.170 | 0.695 | 250.0 | 3.0 |
| 80 11 19 1650 | | | .3 | 1 | 0.024 | 0.010 | 0.180 | 0.001 | 0.569 | 0.580 | 0.170 | 0.750 | 261.0 | 11.0 |
| 80 12 10 1620 | | | .3 | 1 | 0.007 | 0.016 | 0.240 | 0.002 | 0.578 | 0.596 | 0.224 | 0.820 | 251.0 | 4.0 |
| MAXIMUM | | | | | 0.036 | 0.122 | 0.900 | 0.012 | 1.040 | 1.123 | 0.778 | 1.480 | 350.0 | 213.0 |
| ARITH MEAN | | | | | 0.011L | 0.028L | 0.28 | 0.004 | 0.518 | 0.561 | 0.255 | 0.807 | 261 | 27 |
| GEOM MEAN | | | | | 0.007L | 0.017L | 0.24 | 0.003 | 0.371 | 0.429 | 0.221 | 0.729 | 259 | 8 |
| MINIMUM | | | | | 0.001< | 0.002< | 0.130 | 0.001 | 0.007 | 0.020 | 0.122 | 0.220 | 232.0 | 3 |
| STD DEV | | | | | 0.010L | 0.037L | 0.21 | 0.003 | 0.238 | 0.256 | 0.184 | 0.365 | 34 | 62 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| | | | TEST-NAME: | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 02 28 1630 | | | .3 | 1 | | 412.0 | 5.400 | 8.15 | 7.7 |
| 80 03 25 1630 | | | .3 | 1 | 137.000 | 210.0 | 2.850 | 7.84 | 7.8 |
| 80 04 24 1415 | | | .3 | 1 | 234.000 | 360.0 | 2.000 | 8.31 | 8.3 |
| 80 05 22 1545 | | | .3 | 1 | 228.000 | 350.0 | 1.950 | 8.50 | 8.4 |
| 80 06 25 1635 | | | .3 | 1 | 231.000 | 355.0 | 1.900 | 8.32 | 8.3 |
| 80 07 08 1650 | | | .3 | 1 | 241 | 370 | 2.00 | 8.28 | 8.5 |
| 80 08 14 1600 | | | .3 | 1 | 241.000 | 370.0 | 2.100 | 8.26 | |
| 80 09 25 1600 | | | .3 | 1 | 244 | 375 | 2.05 | 8.21 | 8.7 |
| 80 10 08 1720 | | | .3 | 1 | 247.000 | 380.0 | 2.200 | 8.13 | 8.4 |
| 80 11 19 1650 | | | .3 | 1 | 250.000 | 385.0 | 2.400 | 8.07 | 8.2 |
| 80 12 10 1620 | | | .3 | 1 | 247.000 | 380.0 | 2.500 | 8.13 | 8.0 |
| MAXIMUM | | | | | 250.000 | 412.0 | 5.400 | 8.50 | 8.7 |
| ARITH MEAN | | | | | 230 | 358 | 2.48 | 8.20 | 8.2 |
| GEOM MEAN | | | | | 227 | 354 | 2.38 | 8.20 | 8.2 |
| MINIMUM | | | | | 137.000 | 210.0 | 1.900 | 7.84 | 7.7 |
| STD DEV | | | | | 33 | 52 | 1.00 | 0.17 | 0.3 |
| NO OF SAMPLES | | | | | 10 | 11 | 11 | 11 | 10 |

B.O.W./ SITE: **PLATO CREEK**
SAMPLE POINT: **AT OLD ROUND LAKE ROAD**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-078-02**
STORET CODE: **02**
**004**
**1220**

LAT
LONG:
U T M: **18 0267325.0 4924650.0 0**
REGION: **03**
DISTANCE: **104.785**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 02 28 1310 | | | .3 | 1 | 21038 | 6 | 780 | 510 | 348 | 64 | 0.0 | 9.1 | 0.2 | 0.061 |
| 80 03 25 1400 | | | .3 | 1 | 21102 | 6 | 620C | 3600 | 10I | 90I | 0.0 | 11.6 | 1.0 | 0.035 |
| 80 04 24 1050 | | | .3 | 1 | 21173 | 6 | 100 | 840 | 6 | 4 | 8.0 | 6.2 | 0.2 | 0.011 |
| 80 05 22 1150 | | | .3 | 1 | 21245 | 6 | 520 | 16000 | 24 | 52 | 16.8 | 6.7 | 0.8 | 0.013 |
| 80 06 25 1235 | | | .3 | 1 | 21310 | 6 | 900I | 7900 | 336 | 96 | 23.6 | 9.6 | 1.0 | 0.035 |
| 80 07 08 1400 | | | .3 | 1 | 21373 | 6 8 | 2250C | 16000 | 950 | 680 | 18.2 | 7.0 | 1.2 | 0.032 |
| 80 08 14 1045 | | | .3 | 1 | 21435 | 6 8 | | | | | 18.2 | 5.8 | 1.0 | 0.040 |
| 80 09 25 1210 | | | .3 | 1 | 21497 | 6 | | | | | 14.2 | 6.0 | 0.6 | 0.020 |
| 80 10 09 1025 | | | .3 | 1 | 21571 | 6 | 400C | 7800 | 120I | 40I | 6.0 | 6.0 | 0.8 | J.023 |
| 80 11 19 1300 | | | .3 | 1 | 21623 | 4 | 280 | 3800 | 10< | 10< | 0.0 | 8.0 | 0.7 | 0.007 |
| 80 12 10 1320 | | | .3 | 1 | 21686 | 4 | | | | | 0.0 | 9.6 | 0.6 | 0.015 |
| **MAXIMUM** | | | | | | | **2250** | **16000** | **950** | **680** | **23.6** | **11.6** | **1.2** | **0.061** |
| **ARITH MEAN** | | | | | | | **731** | **7056** | **225L** | **129L** | **9.5** | **7.8** | **0.7** | **0.027** |
| **GEOM MEAN** | | | | | | | **524** | **4176** | **61L** | **49L** | **5.3** | **7.6** | **0.6** | **0.022** |
| **MINIMUM** | | | | | | | **100** | **510** | **6<** | **4<** | **0.0** | **5.8** | **0.2** | **0.007** |
| **STD DEV** | | | | | | | **666** | **6156** | **326L** | **225L** | **9.0** | **1.9** | **0.3** | **0.016** |
| **NO OF SAMPLES** | | | | | | | **8** | **8** | **8** | **8** | **11** | **11** | **11** | **11** |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 02 28 1310 | | | .3 | 1 | 0.007 | 0.258 | 0.780 | 0.009 | 0.376 | 0.643 | 0.522 | 1.165 | 316.0 | 5.0 |
| 80 03 25 1400 | | | .3 | 1 | 0.005 | 0.078 | 0.570 | 0.010 | 0.400 | 0.488 | 0.492 | 0.980 | 173.0 | 4.0 |
| 80 04 24 1050 | | | .3 | 1 | 0.001 | 0.008 | 0.370 | 0.002 | 0.008 | 0.018 | 0.362 | 0.380 | 264.0 | 17.0 |
| 80 05 22 1150 | | | .3 | 1 | 0.001< | 0.001 | 0.400 | 0.004 | 0.014 | 0.019 | 0.399 | 0.418 | 95.0 | 1.0 |
| 80 06 25 1235 | | | .3 | 1 | 0.004 | 0.004 | 0.710 | 0.002 | 0.008 | 0.014 | 0.706 | 0.720 | 260.0 | 3.0 |
| 80 07 08 1400 | | | .3 | 1 | 0.006 | 0.020 | 0.730 | 0.005 | 0.005 | 0.030 | 0.710 | 0.740 | 274.0 | 4.0 |
| 80 08 14 1045 | | | .3 | 1 | 0.012 | 0.078 | 0.750 | 0.011 | 0.009 | 0.098 | 0.672 | 0.770 | 289.0 | 3.0 |
| 80 09 25 1210 | | | .3 | 1 | 0.007 | 0.058 | 0.600 | 0.007 | 0.018 | 0.083 | 0.542 | 0.625 | 263.0 | 3.0 |
| 80 10 09 1025 | | | .3 | 1 | 0.005 | 0.036 | 0.55 | 0.007 | 0.018 | 0.061 | 0.514 | 0.575 | 271 | 2 |
| 80 11 19 1300 | | | .3 | 1 | 0.004 | 0.026 | 0.470 | 0.001 | 0.044 | 0.071 | 0.444 | 0.515 | 317.0 | 2.0 |
| 80 12 10 1320 | | | .3 | 1 | 0.004 | 0.006 | 0.510 | 0.002 | 0.093 | 0.101 | 0.504 | 0.605 | 302.0 | 2.0 |
| **MAXIMUM** | | | | | **0.012** | **0.258** | **0.780** | **0.011** | **0.400** | **0.643** | **0.710** | **1.165** | **317.0** | **17.0** |
| **ARITH MEAN** | | | | | **0.005L** | **0.052** | **0.58** | **0.005** | **0.090** | **0.148** | **0.533** | **0.681** | **256** | **4** |
| **GEOM MEAN** | | | | | **0.004L** | **0.021** | **0.56** | **0.004** | **0.028** | **0.069** | **0.522** | **0.647** | **245** | **3** |
| **MINIMUM** | | | | | **0.001<** | **0.001** | **0.370** | **0.001** | **0.005** | **0.014** | **0.362** | **0.380** | **95.0** | **1.0** |
| **STD DEV** | | | | | **0.003L** | **0.074** | **0.14** | **0.004** | **0.149** | **0.212** | **0.118** | **0.233** | **68** | **4** |
| **NO OF SAMPLES** | | | | | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** |

| TEST-NAME: | | | | | RSF | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 02 28 1310 | | | .3 | 1 | 311.0 | 520.0 | 8.900 | 7.54 | 7.2 |
| 80 03 25 1400 | | | .3 | 1 | 169.000 | 260.0 | 6.350 | 7.52 | |
| 80 04 24 1050 | | | .3 | 1 | 247.000 | 380.0 | 6.700 | 7.68 | 7.6 |
| 80 05 22 1150 | | | .3 | 1 | 94.000 | 145.0 | 2.750 | 7.86 | 7.7 |
| 80 06 25 1235 | | | .3 | 1 | 257.000 | 395.0 | | 7.99 | 7.8 |
| 80 07 08 1400 | | | .3 | 1 | 270.000 | 415.0 | 7.500 | 7.85 | 8.1 |
| 80 08 14 1045 | | | .3 | 1 | 286.000 | 440.0 | 8.700 | 7.60 | |
| 80 09 25 1210 | | | .3 | 1 | 260.0 | 420.0 | 7.450 | 8.03 | 8.3 |
| 80 10 09 1025 | | | .3 | 1 | 269 | 435 | 8.35 | 7.89 | 7.4 |
| 80 11 19 1300 | | | .3 | 1 | 315.0 | 510.0 | 18.500 | 7.69 | 7.7 |
| 80 12 10 1320 | | | .3 | 1 | 300.0 | 470.0 | 16.000 | 7.54 | 7.3 |
| **MAXIMUM** | | | | | **315.0** | **520.0** | **18.500** | **8.03** | **8.3** |
| **ARITH MEAN** | | | | | **252** | **399** | **9.12** | **7.74** | **7.7** |
| **GEOM MEAN** | | | | | **241** | **379** | **8.12** | **7.74** | **7.7** |
| **MINIMUM** | | | | | **94.000** | **145.0** | **2.750** | **7.52** | **7.2** |
| **STD DEV** | | | | | **65** | **109** | **4.66** | **0.19** | **0.4** |
| **NO OF SAMPLES** | | | | | **11** | **11** | **10** | **11** | **9** |

B.O.W./SITE: **PLATO CREEK**
SAMPLE POINT: **AT FREEMAN CORNERS BRIDGE**
STATION TYPE: **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM **TRENT RIVER**

STATION ID: **17-0021-081-02**
STORET CODE: **02**
**004**
**1220**

LAT:
LONG:
U T M: **18 0278100.0 4928750.0 4**
REGION: **03**
DISTANCE: **87.707**

| | | | TEST-NAME: | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 03 19 0900 | | | .3 | 1 | 19002 | 4 | 0.0 | 5.0 | 0.060 | 0.008 | 0.810 | 1.160 | 0.036 | 0.760 |
| 80 04 22 0854 | | | .3 | 1 | 19012 | 6 | 8.5 | 6.0 | 0.014 | 0.002 | 0.010 | 0.350 | 0.002 | 0.020< |
| 80 05 21 0911 | | | .3 | 1 | 19022 | 6 | 15.0 | 6.0 | 0.016 | 0.002< | 0.010 | 0.560 | 0.004 | 0.020< |
| 80 06 23 0850 | | | .3 | 1 | 19032 | 6 | 16.0 | 7.0 | 0.280 | 0.270 | 0.020 | 0.300 | 0.002< | 0.020 |
| 80 07 28 0907 | | | .3 | 1 | 19042 | 6 | 21.5 | 6.0 | 0.028 | 0.022 | 0.010 | 0.380 | 0.002 | 0.020< |
| 80 09 02 0921 | | | .3 | 1 | 19052 | 6 | 22.0 | 6.0 | 0.038 | 0.010 | 0.020 | 1.000 | 0.004 | 0.060 |
| 80 10 07 0855 | | | .3 | 1 | 19062 | 6 | 9.5 | 7.0 | 0.020 | 0.004 | 0.010 | 0.680 | 0.004 | 0.020 |
| MAXIMUM | | | | | | | 22.0 | 7.0 | 0.280 | 0.270 | 0.810 | 1.160 | 0.036 | 0.760 |
| ARITH MEAN | | | | | | | 13.2 | 6.1 | 0.068 | 0.046L | 0.127 | 0.633 | 0.008L | 0.131L |
| GEOM MEAN | | | | | | | 9.9 | 6.1 | 0.038 | 0.010L | 0.023 | 0.562 | 0.004L | 0.039L |
| MINIMUM | | | | | | | 0.0 | 5.0 | 0.014 | 0.002< | 0.010 | 0.300 | 0.002< | 0.020< |
| STD DEV | | | | | | | 7.8 | 0.7 | 0.096 | 0.099L | 0.301 | 0.336 | 0.013L | 0.278L |
| NO OF SAMPLES | | | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| | | | TEST-NAME: | | NNTIFR | NNKUR | NNKI | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 03 19 0900 | | | .3 | 1 | 1.606 | 0.350 | 1.956 | 485.0 | 5.00 |
| 80 04 22 0854 | | | .3 | 1 | 0.032 | 0.340 | 0.372 | 370.0 | 0.45 |
| 80 05 21 0911 | | | .3 | 1 | 0.034 | 0.550 | 0.584 | 410.0 | 0.51 |
| 80 06 23 0850 | | | .3 | 1 | 0.042 | 0.280 | 0.322 | 175.0 | 1.60 |
| 80 07 28 0907 | | | .3 | 1 | 0.032 | 0.370 | 0.402 | 465.0 | 4.30 |
| 80 09 02 0921 | | | .3 | 1 | 0.084 | 0.980 | 1.064 | 460.0 | 1.60 |
| 80 10 07 0855 | | | .3 | 1 | 0.034 | 0.670 | 0.704 | 485.0 | 1.20 |
| MAXIMUM | | | | | 1.606 | 0.980 | 1.956 | 485.0 | 5.00 |
| ARITH MEAN | | | | | 0.266 | 0.506 | 0.772 | 407.1 | 2.09 |
| GEOM MEAN | | | | | 0.068 | 0.461 | 0.634 | 388.5 | 1.47 |
| MINIMUM | | | | | 0.032 | 0.280 | 0.322 | 175.0 | 0.45 |
| STD DEV | | | | | 0.591 | 0.250 | 0.581 | 110.7 | 1.82 |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 | 7 |

B.O.W./SITE: **CROWE RIVER**
SAMPLE POINT: **AT BRIDGE ON CORDOVA ROAD NEAR ROCKDALE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-082-02**
STORET CODE: **02**
**004**
**1220**

LAT:
LONG:
U T M: **18 0277450.0 4931600.0 4**
REGION: **03**
DISTANCE: **90.604**

| | | | TEST-NAME: | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 02 28 1130 | | | .3 | 1 | 21034 | 6 | 12 | 20 | 2< | 222 | 0.0 | 12.9 | 1.0 | 0.034 |
| 80 03 25 1220 | | | .3 | 1 | 21097 | 6 | 160 | 340 | 4< | 24 | 1.2 | 13.0 | 0.2 | 0.010 |
| 80 04 24 0830 | | | .3 | 1 | 21168 | 6 | 12 | 44 | 4< | 4< | 7.2 | 10.7 | 1.2 | 0.052 |
| 80 05 22 0930 | | | .3 | 1 | 21240 | 6 | 36 | 712 | 4< | 4< | 17.2 | 9.4 | | 0.028 |
| 80 06 25 1100 | | | .3 | 1 | 21305 | 6 8 | 360 | 228 | 2< | 2< | 22.0 | 10.4 | | 0.006 |
| 80 07 08 1145 | | | .3 | 1 | 21368 | 6 | 150 | 1100 | 12 | 136 | 19.5 | 9.2 | | 0.010 |
| 80 08 14 0900 | | | .3 | 1 | 21430 | 6 | | | | | 22.0 | 9.4 | | 0.007 |
| 80 09 25 0920 | | | .3 | 1 | 21492 | 6 | | | | | 13.0 | 9.0 | | 0.009 |
| 80 10 09 1310 | | | .3 | 1 | 21566 | 6 | | 8400 | 4< | 32 | 11.0 | 8.4 | | 0.011 |
| 80 11 19 1045 | | | .3 | 1 | 21618 | 6 | 10I | 280 | 4< | 4< | 3.0 | 11.0 | | 0.007 |
| 80 12 10 1045 | | | .3 | 1 | 21681 | 6 | | | | | 2.5 | 13.3 | | 0.005 |
| MAXIMUM | | | | | | | 360 | 8400 | 12 | 222 | 22.0 | 13.3 | 1.2 | 0.052 |
| ARITH MEAN | | | | | | | 106 | 1390 | 4L | 53L | 10.8 | 10.6 | 0.8 | 0.016 |
| GEOM MEAN | | | | | | | 46 | 325 | 4L | 15L | 8.8 | 10.5 | 0.6 | 0.012 |
| MINIMUM | | | | | | | 10 | 20 | 2< | 2< | 0.0 | 8.4 | 0.2 | 0.005 |
| STD DEV | | | | | | | 130 | 2855 | 3L | 82L | 8.5 | 1.8 | 0.5 | 0.015 |
| NO OF SAMPLES | | | | | | | 7 | 8 | 8 | 8 | 11 | 11 | 3 | 11 |

| | | | TEST-NAME: | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 02 28 1130 | | | .3 | 1 | 0.006 | 0.036 | 0.470 | 0.002 | 0.118 | 0.156 | 0.434 | 0.590 | 108.0 | 0.1< |
| 80 03 25 1220 | | | .3 | 1 | 0.010 | 0.150 | 0.350 | 0.008 | 0.312 | 0.470 | 0.200 | 0.670 | 103.0 | 2.0 |
| 80 04 24 0830 | | | .3 | 1 | 0.049 | 0.014 | 0.330 | 0.004 | 0.116 | 0.134 | 0.316 | 0.450 | 77.0 | 2.0 |
| 80 05 22 0930 | | | .3 | 1 | | 0.002< | 0.580 | | | | 0.578 | | | |
| 80 06 25 1100 | | | .3 | 1 | | 0.014 | 0.340 | | | | 0.326 | | | |
| 80 07 08 1145 | | | .3 | 1 | | 0.020 | 0.41 | | | | 0.390 | | | |
| 80 08 14 0900 | | | .3 | 1 | | 0.068 | 0.380 | | | | 0.312 | | | |
| 80 09 25 0920 | | | .3 | 1 | | 0.020 | 0.300 | | | | 0.280 | | | |
| 80 10 09 1310 | | | .3 | 1 | | 0.034 | 0.33 | | | | 0.296 | | | |
| 80 11 19 1045 | | | .3 | 1 | | 0.010 | 0.300 | | | | 0.290 | | | |
| 80 12 10 1045 | | | .3 | 1 | | 0.008 | 0.390 | | | | 0.382 | | | |
| MAXIMUM | | | | | 0.049 | 0.150 | 0.580 | 0.008 | 0.312 | 0.470 | 0.578 | 0.670 | 108.0 | 2.0 |
| ARITH MEAN | | | | | 0.022 | 0.034L | 0.38 | 0.005 | 0.182 | 0.253 | 0.346 | 0.570 | 96.0 | 1.4L |
| GEOM MEAN | | | | | 0.014 | 0.020L | 0.37 | 0.004 | 0.162 | 0.214 | 0.334 | 0.562 | 95.0 | 0.7L |
| MINIMUM | | | | | 0.006 | 0.002< | 0.300 | 0.002 | 0.116 | 0.134 | 0.200 | 0.450 | 77.0 | 0.1< |
| STD DEV | | | | | 0.024 | 0.043L | 0.08 | 0.003 | 0.113 | 0.188 | 0.099 | 0.111 | 16.6 | 1.1L |
| NO OF SAMPLES | | | | | 3 | 11 | 11 | 3 | 3 | 3 | 11 | 3 | 3 | 3 |

(CONTD)

B.O.W./ SITE: **CROWE RIVER**
SAMPLE POINT: **AT BRIDGE ON CORDOVA ROAD NEAR ROCKDALE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-082-02**
STORET CODE: **02**
**084**
**1220**

LAT: LONG: U T M: **18 0277450.0 4931600.0 4** REGION: **03** DISTANCE: **90.604**

| | | | TEST-NAME: | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 02 28 1130 | | | .3 | 1 | 108.000 | 165.0 | 0.70 | 3.750 | 7.71 | 7.2 |
| 80 03 25 1220 | | | .3 | 1 | 101.000 | 155.0 | 1.10 | 3.200 | 7.53 | 7.3 |
| 80 04 24 0830 | | | .3 | 1 | 75.000 | 116.0 | 1.10 | 2.150 | 7.68 | 7.8 |
| 80 05 22 0930 | | | .3 | 1 | | 400.0 | | | 7.48 | 8.0 |
| 80 06 25 1100 | | | .3 | 1 | | 150.0 | | | 8.23 | 8.2 |
| 80 07 08 1145 | | | .3 | 1 | | 150 | | | 8.05 | 8.3 |
| 80 08 14 0900 | | | .3 | 1 | | 160.0 | | | 7.86 | |
| 80 09 25 0920 | | | .3 | 1 | | 160.0 | | | 7.91 | 8.0 |
| 80 10 09 1310 | | | .3 | 1 | | 160 | | | 7.75 | 7.3 |
| 80 11 19 1045 | | | .3 | 1 | | 165.0 | | | 7.76 | 8.2 |
| 80 12 10 1045 | | | .3 | 1 | | 160.0 | | | 7.95 | 7.8 |
| MAXIMUM | | | | | 108.000 | 400.0 | 1.10 | 3.750 | 8.23 | 8.3 |
| ARITH MEAN | | | | | 94.667 | 176 | 0.97 | 3.033 | 7.81 | 7.8 |
| GEOM MEAN | | | | | 93.527 | 167 | 0.95 | 2.955 | 7.81 | 7.8 |
| MINIMUM | | | | | 75.000 | 116.0 | 0.70 | 2.150 | 7.48 | 7.2 |
| STD DEV | | | | | 17.388 | 75 | 0.23 | 0.813 | 0.22 | 0.4 |
| NO OF SAMPLES | | | | | 3 | 11 | 3 | 3 | 11 | 10 |

B.O.W./ SITE: **CROWE RIVER**
SAMPLE POINT: **FIRST ROAD ABOVE BELMONT LAKE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-083-02**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **18 0275875.0 4934950.0 4** REGION: **03** DISTANCE: **95.431**

| | | | TEST-NAME: | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 02 28 1148 | | | .3 | 1 | 21035 | 6 | 8 | 48 | 2< | 2 | 0.0 | 12.8 | 0.2 | 0.032 |
| 80 03 25 1300 | | | .3 | 1 | 21098 | 6 | 350 | 1150 | 20 | 44 | 0.8 | 15.0 | 0.2 | 0.019 |
| 80 04 24 1230 | | | .3 | 1 | 21169 | 6 | 68 | 196 | 4< | 8 | 19.8 | 8.6 | 1.0 | 0.033 |
| 80 05 22 0948 | | | .3 | 1 | 21241 | 6 | 544C | 1960 | 4< | 4< | 16.0 | 9.5 | 1.2 | 0.013 |
| 80 06 25 1150 | | | .3 | 1 | 21306 | 6 | 140C | 4000 | 16 | 4< | 22.0 | 9.8 | 1.0 | 0.008 |
| 80 07 08 1230 | | | .3 | 1 | 21369 | 6 | 420C | 3950 | 88 | 236 | 19.8 | 8.6 | 0.6 | 0.012 |
| 80 08 14 0935 | | | .3 | 1 | 21431 | 6 | | | | | 21.9 | 9.8 | 0.6 | 0.009 |
| 80 09 25 1020 | | | .3 | 1 | 21493 | 6 | | | | | 12.0 | 8.2 | 0.4 | 0.009 |
| 80 10 09 1230 | | | .3 | 1 | 21568 | 6 | 220C | 2950 | 32 | 52 | 9.2 | 8.8 | 0.6 | 0.015 |
| 1245 | | | .3 | 1 | 21567 | 6 9 | 30I | 1050 | 4< | 4< | 10.0 | 8.1 | 1.0 | 0.012 |
| 80 11 19 1130 | | | .3 | 1 | 21619 | 6 | 100 | 700 | 4< | 4< | 2.5 | 12.5 | 0.2 | 0.006 |
| 80 12 10 1145 | | | .3 | 1 | 21682 | 6 | | | | | 1.5 | 13.8 | 0.2< | 0.005 |
| MAXIMUM | | | | | | | 544 | 4000 | 88 | 236 | 22.0 | 15.0 | 1.2 | 0.033 |
| ARITH MEAN | | | | | | | 209 | 1778 | 19L | 40L | 11.3 | 10.5 | 0.6L | 0.014 |
| GEOM MEAN | | | | | | | 117 | 965 | 9L | 11L | 6.8 | 10.2 | 0.5L | 0.012 |
| MINIMUM | | | | | | | 8 | 48 | 2< | 2< | 0.0 | 8.1 | 0.2< | 0.005 |
| STD DEV | | | | | | | 189 | 1527 | 28L | 76L | 8.6 | 2.4 | 0.4L | 0.009 |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 12 | 12 | 12 | 12 |

| | | | TEST-NAME: | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 02 28 1148 | | | .3 | 1 | 0.013 | 0.040 | 0.370 | 0.002 | 0.128 | 0.170 | 0.330 | 0.500 | 111.0 | 0.1< |
| 80 03 25 1300 | | | .3 | 1 | 0.004 | 0.112 | 0.450 | 0.005 | 0.200 | 0.317 | 0.338 | 0.655 | 92.0 | 2.0 |
| 80 04 24 1230 | | | .3 | 1 | 0.018 | 0.008 | 0.320 | 0.003 | 0.077 | 0.088 | 0.312 | 0.400 | 73.0 | 1.0 |
| 80 05 22 0948 | | | .3 | 1 | 0.001< | 0.006 | 0.400 | 0.004 | 0.006 | 0.016 | 0.394 | 0.410 | 100.0 | 2.0 |
| 80 06 25 1150 | | | .3 | 1 | 0.002 | 0.012 | 0.380 | 0.001 | 0.009 | 0.022 | 0.368 | 0.390 | 102.0 | 1.0 |
| 80 07 08 1230 | | | .3 | 1 | 0.001 | 0.018 | 0.43 | 0.002 | 0.008 | 0.028 | 0.412 | 0.440 | 102 | 1 |
| 80 08 14 0935 | | | .3 | 1 | 0.001 | 0.068 | 0.370 | 0.001 | 0.014 | 0.083 | 0.302 | 0.385 | 105.0 | 1.0 |
| 80 09 25 1020 | | | .3 | 1 | 0.001< | 0.018 | 0.340 | 0.002 | 0.013 | 0.033 | 0.322 | 0.355 | 99.0 | 0.9 |
| 80 10 09 1230 | | | .3 | 1 | 0.006 | 0.024 | 0.35 | 0.002 | 0.018 | 0.044 | 0.326 | 0.370 | 105 | 1 |
| 1245 | | | .3 | 1 | 0.009 | 0.174 | 0.45 | 0.021 | 0.054 | 0.249 | 0.276 | 0.525 | 105 | |
| 80 11 19 1130 | | | .3 | 1 | 0.001 | 0.012 | 0.320 | 0.001 | 0.024 | 0.037 | 0.308 | 0.345 | 105.0 | 1.0 |
| 80 12 10 1145 | | | .3 | 1 | 0.001 | 0.018 | 0.400 | 0.002 | 0.078 | 0.098 | 0.382 | 0.480 | 106.0 | 2.0 |
| MAXIMUM | | | | | 0.018 | 0.174 | 0.45 | 0.021 | 0.200 | 0.317 | 0.412 | 0.655 | 111.0 | 2.0 |
| ARITH MEAN | | | | | 0.005L | 0.042 | 0.38 | 0.004 | 0.052 | 0.099 | 0.339 | 0.438 | 100 | 1 L |
| GEOM MEAN | | | | | 0.003L | 0.025 | 0.37 | 0.002 | 0.028 | 0.064 | 0.337 | 0.431 | 99 | 1 L |
| MINIMUM | | | | | 0.001< | 0.006 | 0.320 | 0.001 | 0.006 | 0.016 | 0.276 | 0.345 | 73.0 | 0.1< |
| STD DEV | | | | | 0.006L | 0.052 | 0.04 | 0.006 | 0.060 | 0.097 | 0.041 | 0.089 | 9 | 0 L |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 11 |

| | | | TEST-NAME: | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 02 28 1148 | | | .3 | 1 | 111.000 | 170.0 | 0.80 | 4.050 | 7.76 | 7.4 |
| 80 03 25 1300 | | | .3 | 1 | 90.000 | 138.0 | 1.60 | 2.950 | 7.58 | 7.5 |
| 80 04 24 1230 | | | .3 | 1 | 72.000 | 111.0 | 1.00 | 2.450 | 7.69 | 8.3 |
| 80 05 22 0948 | | | .3 | 1 | 98.000 | 150.0 | | 3.050 | 7.61 | 8.0 |
| 80 06 25 1150 | | | .3 | 1 | 101.000 | 155.0 | | 3.025 | 8.21 | 8.0 |
| 80 07 08 1230 | | | .3 | 1 | 101 | 155 | | 3.10 | 8.03 | 8.3 |
| 80 08 14 0935 | | | .3 | 1 | 104.000 | 160.0 | | 3.700 | 7.75 | |
| 80 09 25 1020 | | | .3 | 1 | 98.000 | 150.0 | | 4.250 | 8.01 | 8.2 |
| 80 10 09 1230 | | | .3 | 1 | 104 | 160 | | 3.65 | 7.92 | 7.2 |
| 1245 | | | .3 | 1 | 104 | 160 | | 3.75 | 7.91 | 7.1 |
| 80 11 19 1130 | | | .3 | 1 | 104.000 | 160.0 | | 3.950 | 7.88 | 7.9 |
| 80 12 10 1145 | | | .3 | 1 | 104.000 | 160.0 | | 4.200 | 7.81 | 7.5 |

(CONTD)

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| MAXIMUM | | | | | 111.000 | 170.0 | 1.60 | 4.250 | 8.21 | 8.3 |
| ARITH MEAN | | | | | 99 | 152 | 1.13 | 3.51 | 7.85 | 7.8 |
| GEOM MEAN | | | | | 98 | 151 | 1.09 | 3.46 | 7.84 | 7.8 |
| MINIMUM | | | | | 72.000 | 111.0 | 0.80 | 2.460 | 7.58 | 7.1 |
| STD DEV | | | | | 9 | 15 | 0.42 | 0.57 | 0.18 | 0.4 |
| NO OF SAMPLES | | | | | 12 | 12 | 3 | 12 | 12 | 11 |

B.O.W./ SITE: **CROWE RIVER**
SAMPLE POINT: **AT CORDOVA LAKE OUTLET DAM**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-084-02**
STORET CODE: **02**
**004**
**1220**

LAT:
LONG:
U T M: **18 0275650.0 4937400.0 4**
REGION: **03**
DISTANCE: **98.650**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 03 25 1240 | | | .3 | 1 | 21099 | 6 | 240 | 1350 | 8 | 36 | 0.5 | 14.6 | 0.2 | 0.015 |
| 80 04 24 0850 | | | .3 | 1 | 21170 | 6 | 20 | 280 | 4< | 4< | 7.9 | 11.2 | 1.2 | 0.047 |
| 80 05 22 1010 | | | .3 | 1 | 21242 | 6 | 68 | 260 | 4 | 4 | 16.8 | 9.2 | 1.2 | 0.013 |
| 80 06 25 1130 | | | .3 | 1 | 21307 | 6 | 44C | 1880 | 14 | 10 | 23.5 | 9.6 | 0.6 | 0.008 |
| 80 07 08 1210 | | | .3 | 1 | 21370 | 6 | 230 | 1350 | 8 | 52 | 19.9 | 9.7 | 0.6 | 0.013 |
| 80 08 14 0920 | | | .3 | 1 | 21432 | 6 | | | | | 22.4 | 10.6 | 0.4 | 0.010 |
| 80 09 25 0950 | | | .3 | 1 | 21494 | 6 | | | | | 13.0 | 11.2 | 0.5 | 0.010 |
| 80 11 19 1105 | | | .3 | 1 | 21620 | 6 | 40I | 210 | 4< | 4< | 3.0 | 12.2 | 0.4 | 0.013 |
| 80 12 10 1115 | | | .3 | 1 | 21683 | 6 | | | | | 0.8 | 13.2 | 0.2< | 0.004 |
| MAXIMUM | | | | | | | 240 | 1880 | 14 | 52 | 23.5 | 14.6 | 1.2 | 0.047 |
| ARITH MEAN | | | | | | | 107 | 888 | 7L | 18L | 12.0 | 11.3 | 0.6L | 0.016 |
| GEOM MEAN | | | | | | | 71 | 612 | 6L | 10L | 6.5 | 11.2 | 0.5L | 0.012 |
| MINIMUM | | | | | | | 20 | 210 | 4< | 4< | 0.5 | 9.2 | 0.2< | 0.004 |
| STD DEV | | | | | | | 100 | 726 | 4L | 21L | 9.2 | 1.8 | 0.4L | 0.013 |
| NO OF SAMPLES | | | | | | | 6 | 6 | 6 | 6 | 9 | 9 | 9 | 9 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 03 25 1240 | | | .3 | 1 | 0.002 | 0.110 | 0.420 | 0.004 | 0.211 | 0.325 | 0.310 | 0.635 | 92.0 | 3.0 |
| 80 04 24 0850 | | | .3 | 1 | 0.029 | 0.018 | 0.300 | 0.004 | 0.091 | 0.113 | 0.282 | 0.395 | 75.0 | 1.0 |
| 80 05 22 1010 | | | .3 | 1 | 0.001< | 0.006 | 0.400 | 0.003 | 0.002 | 0.011 | 0.394 | 0.405 | 95.0 | 1.0 |
| 80 06 25 1130 | | | .3 | 1 | 0.001 | 0.006 | 0.400 | 0.001 | 0.004 | 0.011 | 0.394 | 0.405 | 102.0 | 1.0 |
| 80 07 08 1210 | | | .3 | 1 | 0.001 | 0.006 | 0.44 | 0.002 | 0.003 | 0.011 | 0.434 | 0.445 | 102 | 1 |
| 80 08 14 0920 | | | .3 | 1 | 0.001 | 0.030 | 0.350 | 0.001 | 0.005< | 0.036 | 0.320 | 0.356 | 106.0 | 2.0 |
| 80 09 25 0950 | | | .3 | 1 | 0.001< | 0.026 | 0.340 | 0.001 | 0.005< | 0.032 | 0.314 | 0.346 | 98.0 | 0.4 |
| 80 11 19 1105 | | | .3 | 1 | 0.004 | 0.014 | 0.320 | 0.001 | 0.024 | 0.039 | 0.306 | 0.345 | 105.0 | 1.0 |
| 80 12 10 1115 | | | .3 | 1 | 0.001 | 0.020 | 0.400 | 0.002 | 0.073 | 0.095 | 0.380 | 0.475 | 105.0 | 1.0 |
| MAXIMUM | | | | | 0.029 | 0.110 | 0.44 | 0.004 | 0.211 | 0.325 | 0.434 | 0.635 | 106.0 | 3.0 |
| ARITH MEAN | | | | | 0.005L | 0.026 | 0.37 | 0.002 | 0.046L | 0.075 | 0.348 | 0.423 | 97 | 1 |
| GEOM MEAN | | | | | 0.002L | 0.017 | 0.37 | 0.002 | 0.014L | 0.039 | 0.345 | 0.416 | 97 | 1 |
| MINIMUM | | | | | 0.001< | 0.006 | 0.300 | 0.001 | 0.002< | 0.011 | 0.282 | 0.345 | 75.0 | 0.4 |
| STD DEV | | | | | 0.009L | 0.033 | 0.04 | 0.001 | 0.070L | 0.101 | 0.053 | 0.091 | 9 | 0 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 03 25 1240 | | | .3 | 1 | 89.000 | 137.0 | 1.40 | 3.000 | 7.47 | 7.4 |
| 80 04 24 0850 | | | .3 | 1 | 74.000 | 114.0 | 1.00 | 2.500 | 7.65 | 7.9 |
| 80 05 22 1010 | | | .3 | 1 | 94.000 | 145.0 | | 3.150 | 7.67 | 8.1 |
| 80 06 25 1130 | | | .3 | 1 | 101.000 | 150.0 | | 3.010 | 8.42 | 8.1 |
| 80 07 08 1210 | | | .3 | 1 | 101 | 155 | | 3.55 | 8.14 | 8.4 |
| 80 08 14 0920 | | | .3 | 1 | 104.000 | 160.0 | | 3.550 | 7.94 | |
| 80 09 25 0950 | | | .3 | 1 | 98.000 | 150.0 | | 3.750 | 7.95 | 8.0 |
| 80 11 19 1105 | | | .3 | 1 | 104.000 | 160.0 | | 3.850 | 7.87 | 7.9 |
| 80 12 10 1115 | | | .3 | 1 | 104.000 | 160.0 | | 4.100 | 7.69 | 7.8 |
| MAXIMUM | | | | | 104.000 | 160.0 | 1.40 | 4.100 | 8.42 | 8.4 |
| ARITH MEAN | | | | | 96 | 147 | 1.20 | 3.38 | 7.87 | 7.9 |
| GEOM MEAN | | | | | 98 | 147 | 1.18 | 3.34 | 7.86 | 7.9 |
| MINIMUM | | | | | 74.000 | 114.0 | 1.00 | 2.500 | 7.47 | 7.4 |
| STD DEV | | | | | 9 | 14 | 0.28 | 0.50 | 0.29 | 0.3 |
| NO OF SAMPLES | | | | | 9 | 9 | 2 | 9 | 9 | 8 |

| | | | |
|---|---|---|---|
| B O W / SITE | **CROWE RIVER** | | STATION ID: **17-0021-089-02** |
| SAMPLE POINT | **AT HWY.NO.28 PAUDASH LAKE OUTLET 75 1** | MAJOR BASIN: **GREAT LAKES** | STORET CODE: **02** |
| STATION TYPE | **RIVER** | MINOR BASIN: **LAKE ONTARIO** | **004** |
| | | TERM STREAM: **TRENT RIVER** | **1220** |
| LAT | LONG | U T M **18 0265350.0 4965000.0 4** REGION: **04** | DISTANCE **172.034** |

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 03 19 1049 | | 3 | 1 | 19004 | 6 | 1.5 | 10.0 | 0.006 | 0.002< | 0.040 | 0.280 | 0.004 | 0.180 |
| 80 04 18 1315 | | 3 | 1 | 15443 | | | | | | | | | |
| 80 04 22 1200 | | 3 | 1 | 19018 | 6 | 6.0 | 10.0 | 0.008 | 0.002< | 0.010 | 0.270 | 0.002 | 0.140 |
| 80 05 12 1300 | | 3 | 1 | 15464 | | | | | | | | | |
| 80 05 21 1136 | | 3 | 1 | 19028 | 6 | 17.0 | 13.0 | 0.006 | 0.002< | 0.020 | 0.340 | 0.004 | 0.020< |
| 80 06 23 1205 | | 3 | 1 | 19038 | 6 | 20.0 | 10.0 | 0.028 | 0.020 | 0.010 | 0.260 | 0.002 | 0.020< |
| 80 06 27 1205 | | 3 | 1 | 15494 | | | | | | | | | |
| 80 07 28 1136 | | 3 | 1 | 19048 | 6 | 23.0 | 6.0 | 0.014 | 0.002< | 0.010 | 0.320 | 0.002< | 0.020< |
| 80 07 30 1200 | | 3 | 1 | 15502 | | | | | | | | | |
| 80 08 29 1200 | | 3 | 1 | 15534 | | | | | | | | | |
| 80 09 02 1145 | | 3 | 1 | 19056 | 6 | 22.5 | 8.0 | 0.022 | 0.008 | 0.040 | 0.500 | 0.002 | 0.020< |
| 80 09 15 1200 | | 3 | 1 | 15539 | | | | | | | | | |
| 80 10 07 1132 | | 3 | 1 | 19068 | 6 | 10.0 | 8.0 | 0.008 | 0.002 | 0.010< | 0.390 | 0.004 | 0.020 |
| **MAXIMUM** | | | | | | **23.0** | **13.0** | **0.028** | **0.020** | **0.040** | **0.500** | **0.004** | **0.180** |
| **ARITH MEAN** | | | | | | **14.3** | **9.3** | **0.013** | **0.005L** | **0.020L** | **0.337** | **0.003L** | **0.060L** |
| **GEOM MEAN** | | | | | | **10.7** | **9.1** | **0.011** | **0.003L** | **0.016L** | **0.329** | **0.003L** | **0.036L** |
| **MINIMUM** | | | | | | **1.5** | **6.0** | **0.006** | **0.002<** | **0.010<** | **0.260** | **0.002<** | **0.020<** |
| **STD DEV** | | | | | | **8.5** | **2.2** | **0.009** | **0.007L** | **0.014L** | **0.085** | **0.001L** | **0.069L** |
| **NO OF SAMPLES** | | | | | | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** |

| TEST-NAME: | | | | NNTIFR | NNKUR | NNKI | COND25 | TURB | RA226F | GACF | GACP | GBCF | GBCP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L |
| 80 03 19 1049 | | 3 | 1 | 0.224 | 0.240 | 0.464 | 117.0 | 0.90 | | | | | |
| 80 04 18 1315 | | 3 | 1 | | | | | | 2.000 | | | | |
| 80 04 22 1200 | | 3 | 1 | 0.152 | 0.260 | 0.412 | 92.0 | 0.60 | | | | | |
| 80 05 12 1300 | | 3 | 1 | | | | | | 1.000 | 2.000 | 2.000 | 2.000 | 1.000< |
| 80 05 21 1136 | | 3 | 1 | 0.044 | 0.320 | 0.364 | 102.0 | 0.63 | | | | | |
| 80 06 23 1205 | | 3 | 1 | 0.032 | 0.250 | 0.282 | 170.0 | 0.81 | | | | | |
| 80 06 27 1205 | | 3 | 1 | | | | | | 1.000 | | | | |
| 80 07 28 1136 | | 3 | 1 | 0.032 | 0.310 | 0.342 | 96.0 | 0.78 | | | | | |
| 80 07 30 1200 | | 3 | 1 | | | | | | 1.000< | 1.000< | 1.000< | 3.000 | 1.000< |
| 80 08 29 1200 | | 3 | 1 | | | | | | 1.000< | 1.000< | 3.000 | 2.000 | 1.000 |
| 80 09 02 1145 | | 3 | 1 | 0.062 | 0.460 | 0.522 | 128.0 | 0.55 | | | | | |
| 80 09 15 1200 | | 3 | 1 | | | | | | 1.000< | 1.000 | 1.000< | 2.000 | 1.000< |
| 80 10 07 1132 | | 3 | 1 | 0.034 | 0.380 | 0.414 | 106.0 | 0.70 | | | | | |
| **MAXIMUM** | | | | **0.224** | **0.460** | **0.522** | **170.0** | **0.90** | **2.000** | **2.000** | **3.000** | **3.000** | **1.000** |
| **ARITH MEAN** | | | | **0.083** | **0.317** | **0.400** | **115.9** | **0.71** | **1.167L** | **1.250L** | **1.750L** | **2.250** | **1.000L** |
| **GEOM MEAN** | | | | **0.061** | **0.309** | **0.393** | **113.5** | **0.70** | **1.122L** | **1.189L** | **1.565L** | **2.213** | **1.000L** |
| **MINIMUM** | | | | **0.032** | **0.240** | **0.282** | **92.0** | **0.55** | **1.000<** | **1.000<** | **1.000<** | **2.000** | **1.000<** |
| **STD DEV** | | | | **0.076** | **0.080** | **0.079** | **26.9** | **0.13** | **0.408L** | **0.500L** | **0.957L** | **0.500** | **0.000L** |
| **NO OF SAMPLES** | | | | **7** | **7** | **7** | **7** | **7** | **6** | **4** | **4** | **4** | **4** |

| TEST-NAME: | | | | UU238 |
|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | URANIUM 238 UG/L |
| 80 05 12 1300 | | 3 | 1 | 10.000< |
| 80 07 30 1200 | | 3 | 1 | 10.000< |
| 80 08 29 1200 | | 3 | 1 | 10.000< |
| 80 09 15 1200 | | 3 | 1 | 10.000< |
| **MAXIMUM** | | | | **10.000** |
| **ARITH MEAN** | | | | **10.000L** |
| **GEOM MEAN** | | | | **10.000L** |
| **MINIMUM** | | | | **10.000<** |
| **STD DEV** | | | | **0.000L** |
| **NO OF SAMPLES** | | | | **4** |

| | | | |
|---|---|---|---|
| B O W / SITE | **PAUDASH LAKE NARROWS** | | STATION ID: **17-0021-090-01** |
| SAMPLE POINT | **AT PAUDASH LAKE ROAD 75 3** | MAJOR BASIN: **GREAT LAKES** | STORET CODE: **02** |
| STATION TYPE | **LAKE** | MINOR BASIN: **LAKE ONTARIO** | **004** |
| | | TERM STREAM: **TRENT RIVER** | **1220** |
| LAT | LONG | U T M **17 0733450.0 4982550.0 4** REGION: **03** | DISTANCE **178.150** |

| TEST-NAME: | | | | SAMPLE | FWSTRC | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L |
| 80 08 25 | | 3 | 1 | 90016 | 8 | 0.6 | | | | | | | |
| 80 10 07 | | 3 | 1 | 90017 | 8 | 0.8 | 0.016 | 0.001< | 0.032 | 0.270 | 0.001 | 0.024 | 0.057 |
| **MAXIMUM** | | | | | | **0.8** | **0.016** | **0.001** | **0.032** | **0.270** | **0.001** | **0.024** | **0.057** |
| **ARITH MEAN** | | | | | | **0.7** | **0.016** | **0.001L** | **0.032** | **0.270** | **0.001** | **0.024** | **0.057** |
| **GEOM MEAN** | | | | | | **0.7** | | | | | | | |
| **MINIMUM** | | | | | | **0.6** | **0.016** | **0.001<** | **0.032** | **0.270** | **0.001** | **0.024** | **0.057** |
| **STD DEV** | | | | | | **0.1** | | | | | | | |
| **NO OF SAMPLES** | | | | | | **2** | **1** | **1** | **1** | **1** | **1** | **1** | **1** |

| TEST-NAME: | | | | NNKUR | NNKI | RST | RSP | COND25 | TURB | CLIDUR | RA226F | GACF | GACP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ<br>KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L |
| 80 08 25 | | | .3 1 | | | 59 00 | 1 00< | 90 0 | 0 50 | 4 500 | 1 000 | 2 000 | 1 000< |
| 80 10 07 | | | .3 1 | 0 238 | 0 295 | 60 00 | 0 60 | 90.0 | 0 85 | 4 000 | 1 000 | 2 000 | 1 000 |
| MAXIMUM | | | | 0.238 | 0.295 | 60.00 | 1.00 | 90.0 | 0.85 | 4.500 | 1.000 | 2.000 | 1.000 |
| ARITH MEAN | | | | 0.238 | 0.295 | 59.50 | 0.80L | 90.0 | 0.67 | 4.250 | 1.000 | 2.000 | 1.000L |
| GEOM MEAN | | | | | | 59.50 | 0.77L | 90.0 | 0.65 | 4.243 | 1.000 | 2.000 | 1.000L |
| MINIMUM | | | | 0.238 | 0.295 | 59.00 | 0.60< | 90.0 | 0.50 | 4.000 | 1.000 | 2.000 | 1.000< |
| STD DEV | | | | | | 0.71 | 0.28L | 0.0 | 0.25 | 0.354 | 0.000 | 0.000 | 0.000L |
| NO OF SAMPLES | | | | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 08 25 | | | .3 | 1 | 3.000 | 1.000< | 10.000< |
| 80 10 07 | | | .3 | 1 | 3.000 | 1.000< | 10.000< |
| MAXIMUM | | | | | 3.000 | 1.000 | 10.000 |
| ARITH MEAN | | | | | 3.000 | 1.000L | 10.000L |
| GEOM MEAN | | | | | 3.000 | 1.000L | 10.000L |
| MINIMUM | | | | | 3.000 | 1.000< | 10.000< |
| STD DEV | | | | | 0.000 | 0.000L | 0.000L |
| NO OF SAMPLES | | | | | 2 | 2 | 2 |

| | | |
|---|---|---|
| B.O.W./ SITE: **NORTH RIVER**<br>SAMPLE POINT: **NEAR NORTH RIVER BAY,BELMONT LAKE**<br>STATION TYPE: **RIVER** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE ONTARIO**<br>TERM STREAM: **TRENT RIVER** | STATION ID: **17-0021-091-02**<br>STORET CODE: **02**<br>**004**<br>**1220** |
| LAT: LONG: | U T M: **18 0274350.0 4931650.0 4** | REGION: **03** DISTANCE: **93.822** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 02 28 1220 | | | .3 | 1 | 21036 | 6 | 40I | 60 | 12 | 4 | 0.0 | 12.6 | 0.2 | 0 017 |
| 80 03 19 0921 | | | .3 | 1 | 19003 | 6 | | | | | 0.0 | 11.0 | | 0 010 |
| 80 03 25 1315 | | | .3 | 1 | 21100 | 6 | 600 | 900 | 8 | 36 | 1.2 | 14.2 | 0.2 | 0 016 |
| 80 04 22 0910 | | | .3 | 1 | 19013 | 6 | | | | | 8.0 | 10.0 | | 0.012 |
| 80 04 24 0945 | | | .3 | 1 | 21171 | 6 | 70I | 830 | 4 | 4 | 9 9 | 9 9 | 0.4 | 0.012 |
| 80 05 21 0927 | | | 3 | 1 | 19023 | 6 | | | | | 16.5 | 8.0 | | 0.024 |
| 80 05 22 1030 | | | 3 | 1 | 21243 | 6 | 510C | 4800 | 20 | 4< | 17 9 | 7 8 | 1.0 | 0 017 |
| 80 06 23 0914 | | | .3 | 1 | 19033 | 6 | | | | | 17.5 | 8.0 | | 0.026 |
| 80 06 25 1125 | | | .3 | 1 | 21308 | 6 | 200 | 440 | 4 | 4 | 23.0 | 9.4 | 0.6 | 0.012 |
| 80 07 08 1250 | | | 3 | 1 | 21371 | 6 | | 940000 | 156 | 124 | 20.0 | 9 2 | 0.6 | 0.020 |
| 80 07 28 0925 | | | .3 | 1 | 19043 | 6 | | | | | 23.0 | 6.0 | | 0.014 |
| 80 08 14 1000 | | | .3 | 1 | 21433 | 6 | | | | | 21.2 | 9.3 | 0.6 | 0.010 |
| 80 09 02 0945 | | | 3 | 1 | 19053 | 6 | | | | | 24.0 | 8.0 | | 0.014 |
| 80 09 25 1100 | | | .3 | 1 | 21495 | 6 | | | | | 11.5 | 9.4 | 0.5 | 0.009 |
| 80 10 07 0915 | | | 3 | 1 | 19063 | 6 | | | | | 11.0 | 7.0 | | 0.016 |
| 80 10 09 1215 | | | .3 | 1 | 21569 | 6 | 100I | 2100 | 10I | 30I | 9 0 | 8.3 | 0.8 | 0.013 |
| 80 11 19 1145 | | | .3 | 1 | 21621 | 6 | 180I | 500 | 10I | 10I | 3.0 | 12.5 | 1.0 | 0 007 |
| 80 12 10 1205 | | | 3 | 1 | 21684 | 6 | | | | | 1.0 | 14.0 | 0 2< | 0.008 |
| MAXIMUM | | | | | | | 600 | 940000 | 156 | 124 | 24.0 | 14.2 | 1.0 | 0.026 |
| ARITH MEAN | | | | | | | 243 | 118704 | 28 | 27L | 12.1 | 9.7 | 0.6L | 0.014 |
| GEOM MEAN | | | | | | | 183 | 1763 | 12 | 12L | 7.7 | 9.4 | 0.5L | 0.013 |
| MINIMUM | | | | | | | 40 | 60 | 4 | 4< | 0.0 | 6.0 | 0.2< | 0.007 |
| STD DEV | | | | | | | 222 | 331857 | 52 | 41L | 8.6 | 2.3 | 0.3L | 0.006 |
| NO OF SAMPLES | | | | | | | 7 | 8 | 8 | 8 | 18 | 18 | 11 | 18 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 02 28 1220 | | | .3 | 1 | 0.002 | 0.104 | 0 530 | 0 004 | 0.111 | 0.219 | 0.426 | 0.645 | 88.0 | 0.1< |
| 80 03 19 0921 | | | .3 | 1 | 0.002 | 0.220 | 0 560 | 0 006 | 0.130 | 0.356 | 0.340 | 0.696 | | |
| 80 03 25 1315 | | | .3 | 1 | 0.001 | 0.168 | 0.530 | 0.005 | 0.170 | 0.343 | 0.362 | 0.705 | 77.0 | 3.0 |
| 80 04 22 0910 | | | .3 | 1 | 0.002< | 0.020 | 0.300 | 0 002 | 0.100 | 0.122 | 0.28C | 0.402 | | |
| 80 04 24 0945 | | | .3 | 1 | 0.001 | 0.012 | 0.330 | 0 003 | 0.087 | 0.102 | 0.318 | 0.420 | 102.0 | 1.0 |
| 80 05 21 0927 | | | .3 | 1 | 0.002< | 0.180 | 1.300 | 0 004 | 0.040 | 0 224 | 1.120 | 1.344 | | |
| 80 05 22 1030 | | | .3 | 1 | 0 001 | 0.016 | 0.430 | 0 005 | 0.024 | 0.045 | 0.414 | 0.459 | 111.0 | 4.0 |
| 80 06 23 0914 | | | .3 | 1 | 0.014 | 0.020 | 0.500 | 0 002 | 0.020< | 0.042 | 0.480 | 0.522 | | |
| 80 06 25 1125 | | | .3 | 1 | 0.001 | 0.016 | 0 360 | 0 001 | 0.014 | 0.031 | 0.344 | 0.375 | 116.0 | 2.0 |
| 80 07 08 1250 | | | .3 | 1 | 0 001 | 0.026 | 0.51 | 0 003 | 0.032 | 0 061 | 0.484 | 0.545 | 116 | 2 |
| 80 07 28 0925 | | | .3 | 1 | 0.004 | 0.010 | 0.530 | 0 002 | 0.020 | 0.032 | 0.520 | 0.552 | | |
| 80 08 14 1000 | | | .3 | 1 | 0.001 | 0 046 | 0.450 | 0 002 | 0.023 | 0.071 | 0.404 | 0.475 | 118.0 | 1.0 |
| 80 09 02 0945 | | | .3 | 1 | 0 002< | 0.010< | 0 300 | 0 002 | 0.020 | 0.032 | 0.290 | 0.322 | | |
| 80 09 25 1100 | | | .3 | 1 | 0.002 | 0.024 | 0 350 | 0 001 | 0.014 | 0.039 | 0 326 | 0.365 | 114.0 | 0.2 |
| 80 10 07 0915 | | | .3 | 1 | 0.008 | 0.030 | 0.530 | 0 004 | 0.020 | 0.054 | 0.500 | 0.554 | | |
| 80 10 09 1215 | | | .3 | 1 | 0.003 | 0.020 | 0.37 | 0 002 | 0.013 | 0.035 | 0.350 | 0.385 | 125 | 0.7 |
| 80 11 19 1145 | | | .3 | 1 | 0.002 | 0.024 | 0.420 | 0.001 | 0 014 | 0.039 | 0 396 | 0.435 | 118.0 | 1.0 |
| 80 12 10 1205 | | | .3 | 1 | 0.001 | 0.022 | 0 520 | 0 002 | 0.038 | 0.062 | 0 498 | 0 560 | 109 0 | 2.0 |
| MAXIMUM | | | | | 0.014 | 0.220 | 1.300 | 0.006 | 0.170 | 0.356 | 1.120 | 1.344 | 125 | 4.0 |
| ARITH MEAN | | | | | 0.003L | 0.054L | 0.49 | 0.003 | 0.049L | 0.106 | 0.436 | 0.542 | 108 | 1 L |
| GEOM MEAN | | | | | 0.002L | 0.031L | 0.46 | 0.002 | 0.034L | 0.073 | 0.412 | 0.511 | 107 | 1 L |
| MINIMUM | | | | | 0.001< | 0.010< | 0.300 | 0.001 | 0.013< | 0.031 | 0.280 | 0.322 | 77.0 | 0.1< |
| STD DEV | | | | | 0.003L | 0.066L | 0.22 | 0.002 | 0.048L | 0.106 | 0.187 | 0.229 | 14 | 1 L |
| NO OF SAMPLES | | | | | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 11 | 11 |

(CONTD)

B.O.W./ SITE: **NORTH RIVER**
SAMPLE POINT: **NEAR NORTH RIVER BAY,BELMONT LAKE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-091-02**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **18 0274350.0 4931650.0 4** REGION: **03** DISTANCE: **93.822**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
| 80 02 28 1220 | | | 3 | 1 | 88 000 | 136.0 | 1.00 | 2 550 | 7 52 | 7 2 |
| 80 03 19 0921 | | | 3 | 1 | | 150.0 | 1.60 | | | |
| 80 03 25 1315 | | | 3 | 1 | 74 000 | 114.0 | 1.75 | 1 850 | 7 45 | 7 4 |
| 80 04 22 0910 | | | 3 | 1 | | 150.0 | 0 90 | | | |
| 80 04 24 0945 | | | 3 | 1 | 101.000 | 155.0 | 1.50 | 1.800 | 7 91 | 7.7 |
| 80 05 21 0927 | | | 3 | 1 | | 170.0 | 1.40 | | | |
| 80 05 22 1030 | | | 3 | 1 | 107.000 | 165.0 | | 1.800 | 7 59 | 7.8 |
| 80 06 23 0914 | | | 3 | 1 | | 420.0 | 0 82 | | | |
| 80 06 25 1125 | | | 3 | 1 | 114 000 | 175.0 | | 1.085 | 8.19 | 8.0 |
| 80 07 08 1250 | | | 3 | 1 | 114 | 175 | | 1.55 | 7 92 | 8.1 |
| 80 07 28 0925 | | | 3 | 1 | | 170.0 | 0.84 | | | |
| 80 08 14 1000 | | | 3 | 1 | 117.000 | 180.0 | | 1.750 | 7.71 | |
| 80 09 02 0945 | | | 3 | 1 | | 175.0 | 0.50 | | | |
| 80 09 25 1100 | | | 3 | 1 | 114.000 | 175.0 | | 2.050 | 7.89 | 8.3 |
| 80 10 07 0915 | | | 3 | 1 | | 220.0 | 0.70 | | | |
| 80 10 09 1215 | | | 3 | 1 | 124 | 190 | | 2 50 | 7 72 | 7.2 |
| 80 11 19 1145 | | | 3 | 1 | 117 000 | 180.0 | | 2 150 | 7 71 | 8 0 |
| 80 12 10 1205 | | | 3 | 1 | 107 000 | 165.0 | | 2.050 | 7 72 | 7.6 |
| MAXIMUM | | | | | 124 | 420.0 | 1.75 | 2.550 | 8.19 | 8.3 |
| ARITH MEAN | | | | | 107 | 181 | 1.10 | 1.92 | 7.76 | 7.7 |
| GEOM MEAN | | | | | 105 | 174 | 1.02 | 1.87 | 7.75 | 7.7 |
| MINIMUM | | | | | 74.000 | 114.0 | 0.50 | 1.085 | 7.45 | 7.2 |
| STD DEV | | | | | 14 | 63 | 0.43 | 0.41 | 0.21 | 0.4 |
| NO OF SAMPLES | | | | | 11 | 18 | 10 | 11 | 11 | 10 |

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B.O.W./ SITE: **NORTH RIVER**
SAMPLE POINT: **AT BRIDGE ON BLUE MOUNTAIN ROAD**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-092-02**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **18 0269650.0 4934200.0 4** REGION: **03** DISTANCE: **102.191**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
| 80 02 28 1230 | | | 3 | 1 | 21037 | 6 | 30I | 110 | 8 | 8 | 0.0 | 12.4 | 0.6 | 0.035 |
| 80 03 25 1330 | | | 3 | 1 | 21101 | 6 | 570 | 1950 | 12 | 40 | 0.5 | 12.8 | 0.4 | 0.018 |
| 80 04 24 1010 | | | 3 | 1 | 21172 | 6 | 180 | 260 | 8 | 4< | 9.6 | 9.0 | 0.6 | 0.011 |
| 80 05 22 1100 | | | 3 | 1 | 21244 | 6 | 380C | 7800 | 24 | 4< | 17.0 | 7.8 | 0.8 | 0.014 |
| 80 06 25 1145 | | | 3 | 1 | 21309 | 6 | 80I | 1000 | 8 | 4 | 22.1 | 9.3 | 1.0 | 0.019 |
| 80 07 08 1310 | | | 3 | 1 | 21372 | 6 | 200C | 2800 | 60 | 44 | 20.0 | 8.6 | 0.6 | 0.014 |
| 80 08 14 1020 | | | 3 | 1 | 21434 | 9 | | | | | 20.9 | 9.5 | 0.6 | 0.010 |
| 80 09 25 1120 | | | 3 | 1 | 21496 | 6 | | | | | 11.5 | 9.8 | 0.3 | 0.012 |
| 80 10 09 1150 | | | 3 | 1 | 21570 | 6 9 | 410 | 1650 | 20 | 16 | 9.0 | 6.8 | 1.2 | 0.015 |
| 80 11 19 1210 | | | 3 | 1 | 21622 | 6 | 110 | 700 | 12 | 12 | 2.5 | 11.6 | 0.8 | 0.005 |
| 80 12 10 1230 | | | 3 | 1 | 21685 | 6 | | | | | 2.0 | 12.4 | 0.2< | 0.006 |
| MAXIMUM | | | | | | | 570 | 7800 | 60 | 44 | 22.1 | 12.8 | 1.2 | 0.035 |
| ARITH MEAN | | | | | | | 245 | 2034 | 19 | 18L | 10.5 | 10.0 | 0.6L | 0.014 |
| GEOM MEAN | | | | | | | 174 | 1044 | 15 | 11L | 6.0 | 9.8 | 0.6L | 0.013 |
| MINIMUM | | | | | | | 30 | 110 | 8 | 4< | 0.0 | 6.8 | 0.2< | 0.005 |
| STD DEV | | | | | | | 189 | 2498 | 18 | 16L | 8.5 | 2.0 | 0.3L | 0.008 |
| NO OF SAMPLES | | | | | | | 8 | 8 | 8 | 8 | 11 | 11 | 11 | 11 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
| 80 02 28 1230 | | | 3 | 1 | 0.018 | 0 074 | 0.390 | 0.002 | 0 118 | 0.194 | 0 316 | 0 510 | 72.0 | 0.1< |
| 80 03 25 1330 | | | 3 | 1 | 0.003 | 0 170 | 0 530 | 0 005 | 0 215 | 0.390 | 0 360 | 0 750 | 71.0 | 3.0 |
| 80 04 24 1010 | | | 3 | 1 | 0 001 | 0 012 | 0.320 | 0 003 | 0.067 | 0 082 | 0.308 | 0.390 | 66.0 | 1.0 |
| 80 05 22 1100 | | | 3 | 1 | 0 001< | 0 022 | 0.420 | 0 005 | 0 030 | 0.057 | 0 398 | 0.455 | 89.0 | 1.0 |
| 80 06 25 1145 | | | 3 | 1 | 0 001 | 0 002 | 0.440 | 0 002 | 0.033 | 0.037 | 0 438 | 0.475 | 102.0 | 4.0 |
| 80 07 08 1310 | | | 3 | 1 | 0.001 | 0 026 | 0 49 | 0.002 | 0.008 | 0.036 | 0 464 | 0.500 | 89 | 1 |
| 80 08 14 1020 | | | 3 | 1 | 0.001 | 0 044 | 0.390 | 0 001 | 0.009 | 0.054 | 0 346 | 0.400 | 95.0 | 1.0 |
| 80 09 25 1120 | | | 3 | 1 | 0.002 | 0 048 | 0.360 | 0 003 | 0.009 | 0.060 | 0 312 | 0.372 | 105.0 | 0.6 |
| 80 10 09 1150 | | | 3 | 1 | 0.001 | 0 036 | 0.44 | 0 002 | 0.008 | 0 046 | 0 404 | 0.450 | 120 | 0.2 |
| 80 11 19 1210 | | | 3 | 1 | 0 001 | 0 026 | 0.370 | 0 001 | 0.039 | 0.066 | 0.344 | 0.410 | 67.0 | 2.0 |
| 80 12 10 1230 | | | 3 | 1 | 0 001< | 0 034 | 0.420 | 0.002 | 0.063 | 0.099 | 0.386 | 0.485 | 74.0 | 1 0 |
| MAXIMUM | | | | | 0.018 | 0.170 | 0.530 | 0.005 | 0.215 | 0.390 | 0.464 | 0.750 | 120 | 4.0 |
| ARITH MEAN | | | | | 0.003L | 0.046 | 0.41 | 0.003 | 0.064 | 0.102 | 0.371 | 0.472 | 88 | 1 L |
| GEOM MEAN | | | | | 0.002L | 0.029 | 0.41 | 0.002 | 0.031 | 0.078 | 0.367 | 0.464 | 84 | 0 L |
| MINIMUM | | | | | 0.001< | 0.002 | 0.320 | 0.001 | 0.008 | 0.036 | 0.308 | 0.372 | 66.0 | 0.1< |
| STD DEV | | | | | 0.006L | 0.046 | 0.06 | 0.001 | 0.063 | 0.105 | 0.052 | 0.103 | 17 | 1 L |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

(CONTD)

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 02 28 1230 | | | .3 | 1 | 72.000 | 111.0 | 0.90 | 2.400 | 7.25 | 7.0 |
| 80 03 25 1330 | | | .3 | 1 | 68.000 | 105.0 | 1.60 | 1.850 | 7.43 | 7.3 |
| 80 04 24 1010 | | | .3 | 1 | 65.000 | 100.0 | 1.00 | 1.650 | 7.52 | 7.7 |
| 80 05 22 1100 | | | .3 | 1 | 88.000 | 135.0 | 0.85 | 2.100 | 7.23 | 7.7 |
| 80 06 25 1145 | | | .3 | 1 | 98.000 | 150.0 | 1.40 | 2.015 | 7.72 | 7.6 |
| 80 07 08 1310 | | | .3 | 1 | 88 | 135 | 1.3 | 2.30 | 7.76 | 8.0 |
| 80 08 14 1020 | | | .3 | 1 | 94.000 | 145.0 | 0.70 | 2.700 | 7.59 | |
| 80 09 25 1120 | | | .3 | 1 | 104.000 | 160.0 | 0.31 | 4.050 | 7.60 | 8.0 |
| 80 10 09 1150 | | | .3 | 1 | 120 | 185 | 1.0 | 4.10 | 7.31 | 7.2 |
| 80 11 19 1210 | | | .3 | 1 | 65.000 | 100.0 | 0.73 | 2.550 | 7.32 | |
| 80 12 10 1230 | | | .3 | 1 | 73.000 | 112.0 | 0.70 | 2.050 | 7.35 | 7.5 |
| MAXIMUM | | | | | 120 | 186 | 1.60 | 4.10 | 7.76 | 8.0 |
| ARITH MEAN | | | | | 85 | 130 | 0.9 | 2.52 | 7.46 | 7.6 |
| GEOM MEAN | | | | | 83 | 128 | 0.8 | 2.42 | 7.46 | 7.5 |
| MINIMUM | | | | | 65.000 | 100.0 | 0.31 | 1.650 | 7.23 | 7.0 |
| STD DEV | | | | | 18 | 27 | 0.3 | 0.82 | 0.19 | 0.3 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 9 |

B.O.W./ SITE: **BEAVER CREEK**
SAMPLE POINT: **AT BRIDGE ON ROAD TO CORDOVA MINES**
STATION TYPE: **RIVER FLOW GAUGE FED 02HK006**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-095-02**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **18 0285650.0 4934475.0 4** REGION: **04** DISTANCE: **78.212**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 03 19 0840 | | | .3 | 1 | 19001 | 4 | 3.000 | 0.0 | 12.0 | 0.014 | 0.006 | 0.160 | 0.310 | 0.008 |
| 80 04 22 0830 | | | .3 | 1 | 19011 | 6 | 26.400 | 8.0 | 9.0 | 0.010 | 0.002< | 0.010 | 0.270 | 0.002 |
| 80 05 21 0841 | | | .3 | 1 | 19021 | 6 | 9.050 | 15.0 | 10.0 | 0.012 | 0.002< | 0.030 | 0.580 | 0.002 |
| 80 06 23 0823 | | | .3 | 1 | 19031 | 6 | 1.860 | 16.0 | 8.0 | 0.142 | 0.120 | 0.010 | 0.360 | 0.002 |
| 80 07 28 0849 | | | .3 | 1 | 19041 | 6 | 1.010 | 23.0 | 6.0 | 0.014 | 0.004 | 0.030 | 0.420 | 0.002< |
| 80 09 02 0845 | | | .3 | 1 | 19051 | 6 | 0.380 | 22.0 | 8.0 | 0.016 | 0.002 | 0.040 | 0.410 | 0.002 |
| 80 10 07 0832 | | | .3 | 1 | 19061 | 6 | 0.387 | 11.0 | 9.0 | 0.042 | 0.020 | 0.010< | 0.500 | 0.004 |
| MAXIMUM | | | | | | | 26.400 | 23.0 | 12.0 | 0.142 | 0.120 | 0.160 | 0.580 | 0.008 |
| ARITH MEAN | | | | | | | 6.012 | 13.6 | 8.9 | 0.036 | 0.022L | 0.041L | 0.407 | 0.003L |
| GEOM MEAN | | | | | | | 2.129 | 10.1 | 8.7 | 0.022 | 0.006L | 0.025L | 0.395 | 0.003L |
| MINIMUM | | | | | | | 0.380 | 0.0 | 6.0 | 0.010 | 0.002< | 0.010< | 0.270 | 0.002< |
| STD DEV | | | | | | | 9.483 | 8.1 | 1.9 | 0.048 | 0.044L | 0.054L | 0.107 | 0.002L |
| NO OF SAMPLES | | | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| TEST-NAME: | | | | | NNO3FR | NNTIFR | NNKUR | NNKI | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 03 19 0840 | | | .3 | 1 | 0.230 | 0.398 | 0.150 | 0.548 | 225.0 | 1.40 |
| 80 04 22 0830 | | | .3 | 1 | 0.020 | 0.032 | 0.260 | 0.292 | 178.0 | 0.58 |
| 80 05 21 0841 | | | .3 | 1 | 0.020 | 0.052 | 0.550 | 0.602 | 200.0 | 0.66 |
| 80 06 23 0823 | | | .3 | 1 | 0.040 | 0.052 | 0.350 | 0.402 | 200.0 | 0.69 |
| 80 07 28 0849 | | | .3 | 1 | 0.020< | 0.052 | 0.390 | 0.442 | 200.0 | 1.10 |
| 80 09 02 0845 | | | .3 | 1 | 0.040 | 0.082 | 0.370 | 0.452 | 215.0 | 0.50 |
| 80 10 07 0832 | | | .3 | 1 | 0.020 | 0.034 | 0.490 | 0.524 | 220.0 | 0.60 |
| MAXIMUM | | | | | 0.230 | 0.398 | 0.550 | 0.602 | 225.0 | 1.40 |
| ARITH MEAN | | | | | 0.068L | 0.100 | 0.366 | 0.466 | 205.4 | 0.79 |
| GEOM MEAN | | | | | 0.035L | 0.065 | 0.341 | 0.455 | 204.9 | 0.74 |
| MINIMUM | | | | | 0.020< | 0.032 | 0.150 | 0.292 | 178.0 | 0.50 |
| STD DEV | | | | | 0.077L | 0.132 | 0.134 | 0.103 | 16.0 | 0.33 |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 | 7 | 7 |

B.O.W./ SITE: **CROWE RIVER**
SAMPLE POINT: **BLOW CONFLUENCE WITH CR.FROM BOW L. 76 2**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-100-02**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **18 0268325.0 4981525.0 4** REGION: **04** DISTANCE: **108.884**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 04 22 1040 | | | .3 | 1 | 19014 | 6 | 6.0 | 11.0 | 0.010 | 0.002< | 0.020 | 0.280 | 0.002 | 0.140 |
| 80 05 21 1052 | | | .3 | 1 | 19024 | 6 | 15.0 | 8.0 | 0.008 | 0.002< | 0.030 | 0.330 | 0.004 | 0.040 |
| 80 06 23 1059 | | | .3 | 1 | 19034 | 6 | 17.5 | 9.0 | 0.038 | 0.026 | 0.010< | 0.300 | 0.002< | 0.020< |
| 80 07 28 1043 | | | .3 | 1 | 19044 | 6 | 22.0 | 7.0 | 0.012 | 0.002< | 0.020 | 0.350 | 0.002< | 0.040 |
| 80 09 02 1107 | | | .3 | 1 | 19054 | 6 | 21.0 | 7.0 | 0.010 | 0.002 | 0.050 | 0.280 | 0.002 | 0.080 |
| 80 09 15 1220 | | | .3 | 1 | 15540 | | | | | | | | | |
| 80 10 07 1030 | | | .3 | 1 | 19064 | 6 | 9.5 | 8.0 | 0.010 | 0.002< | 0.010< | 0.370 | 0.004 | 0.060 |
| MAXIMUM | | | | | | | 22.0 | 11.0 | 0.038 | 0.026 | 0.050 | 0.370 | 0.004 | 0.140 |
| ARITH MEAN | | | | | | | 15.2 | 8.3 | 0.015 | 0.006L | 0.023L | 0.318 | 0.003L | 0.063L |
| GEOM MEAN | | | | | | | 13.8 | 8.2 | 0.012 | 0.003L | 0.020L | 0.316 | 0.003L | 0.053L |
| MINIMUM | | | | | | | 6.0 | 7.0 | 0.008 | 0.002< | 0.010< | 0.280 | 0.002< | 0.020< |
| STD DEV | | | | | | | 6.4 | 1.5 | 0.012 | 0.010L | 0.016L | 0.038 | 0.001L | 0.043L |
| NO OF SAMPLES | | | | | | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

(CONTD)

B O W / SITE: **CROWE RIVER**
SAMPLE POINT: **BLOW CONFLUENCE WITH CR.FROM BOW L. 76 2**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-100-02**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **18 0266325.0 4981525.0 4** REGION: **04** DISTANCE: **106.864**

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | COND25 | TURB | RA226F | GACF | GACP | GBCF | GBCP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L |
| 80 04 22 1040 | | | .3 | 1 | 0.162 | 0.260 | 0.422 | 137.0 | 0.55 | | | | | |
| 80 05 21 1052 | | | 3 | 1 | 0.074 | 0.300 | 0.374 | 170.0 | 0.68 | | | | | |
| 80 06 23 1059 | | | 3 | 1 | 0.032 | 0.290 | 0.322 | 93.0 | 1.10 | | | | | |
| 80 07 28 1043 | | | 3 | 1 | 0.062 | 0.330 | 0.392 | 136.0 | 1.30 | | | | | |
| 80 09 02 1107 | | | 3 | 1 | 0.132 | 0.230 | 0.362 | 350.0 | 0.55 | | | | | |
| 80 09 15 1220 | | | 3 | 1 | | | | | | 3.000 | 35.000 | 5.000 | 14.000 | 6.000 |
| 80 10 07 1030 | | | 3 | 1 | 0.074 | 0.360 | 0.434 | 149.0 | 0.50 | | | | | |
| **MAXIMUM** | | | | | **0.162** | **0.360** | **0.434** | **350.0** | **1.30** | **3.000** | **35.000** | **5.000** | **14.000** | **6.000** |
| **ARITH MEAN** | | | | | **0.089** | **0.295** | **0.384** | **172.5** | **0.78** | **3.000** | **35.000** | **5.000** | **14.000** | **6.000** |
| **GEOM MEAN** | | | | | **0.078** | **0.292** | **0.382** | **167.7** | **0.73** | | | | | |
| **MINIMUM** | | | | | **0.032** | **0.230** | **0.322** | **93.0** | **0.50** | **3.000** | **35.000** | **5.000** | **14.000** | **6.000** |
| **STD DEV** | | | | | **0.048** | **0.047** | **0.041** | **90.5** | **0.34** | | | | | |
| **NO OF SAMPLES** | | | | | **6** | **6** | **6** | **6** | **6** | **1** | **1** | **1** | **1** | **1** |

| TEST-NAME: | | | | | UU238 |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | URANIUM 238 UG/L |
| 80 09 15 1220 | | | .3 | 1 | 24.000 |
| **MAXIMUM** | | | | | **24.000** |
| **ARITH MEAN** | | | | | **24.000** |
| **GEOM MEAN** | | | | | |
| **MINIMUM** | | | | | **24.000** |
| **STD DEV** | | | | | |
| **NO OF SAMPLES** | | | | | **1** |

B O W / SITE: **TRENT RIVER**
SAMPLE POINT: **AT TRENT RIVER BRIDGE**
STATION TYPE: **RIVER COMPOSITE**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-110-83**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U T M: **18 0271000.0 4919450.0 4** REGION: **03** DISTANCE: **71.131**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 24 1250 | | | 3 | 1 | 21028 | 6 | 60 | 540 | 2 | 2 | 0.0 | 10.5 | 0.4 | 0.013 |
| 80 02 28 1325 | | | 3 | 1 | 21039 | 4 | 12 | 36 | 2 | 6 | 0.0 | 12.4 | 0.4 | 0.034 |
| 80 03 25 1415 | | | .3 | 1 | 21103 | 6 | 2800 | 12000 | 44 | 72 | 1.5 | 12.8 | 0.6 | 0.043 |
| 80 04 24 1030 | | | 3 | 1 | 21174 | 6 | 44 | 68 | 2< | 4 | 9.2 | 11.2 | 0.8 | 0.033 |
| 80 05 22 1130 | | | 3 | 1 | 21246 | 6 | 124 | 332 | 2< | 4 | 17.0 | 9.1 | 1.2 | 0.053 |
| 80 06 25 1215 | | | 3 | 1 | 21311 | 6 | 24 | 356 | 2< | 2< | 21.0 | 9.5 | 0.8 | 0.023 |
| 80 07 08 1340 | | | 3 | 1 | 21374 | 6 | 50I | 1550 | 4< | 52 | 21.0 | 8.8 | 1.0 | 0.029 |
| 80 08 14 1100 | | | 3 | 1 | 21436 | 6 | | | | | 22.8 | 10.8 | 1.4 | 0.036 |
| 80 09 25 1145 | | | .3 | 1 | 21498 | 6 | | | | | 13.5 | 8.4 | 1.2 | 0.055 |
| 80 10 09 1100 | | | .3 | 1 | 21572 | 6 | 20I | 2750 | 8 | 4< | 9.2 | 8.5 | 2.2 | 0.060 |
| 80 11 19 1240 | | | 3 | 1 | 21624 | 6 | 30I | 1300 | 4< | 4 | 1.5 | 12.0 | 0.8 | 0.018 |
| 80 12 10 1258 | | | 3 | 1 | 21687 | 6 | | | | | 0.5 | 13.4 | 0.8 | 0.015 |
| **MAXIMUM** | | | | | | | **2800** | **12000** | **44** | **72** | **22.8** | **13.4** | **2.2** | **0.060** |
| **ARITH MEAN** | | | | | | | **352** | **2104** | **8L** | **17L** | **9.8** | **10.6** | **1.0** | **0.034** |
| **GEOM MEAN** | | | | | | | **58** | **602** | **4L** | **7L** | **5.0** | **10.5** | **0.9** | **0.031** |
| **MINIMUM** | | | | | | | **12** | **36** | **2<** | **2<** | **0.0** | **8.4** | **0.4** | **0.013** |
| **STD DEV** | | | | | | | **919** | **3814** | **14L** | **26L** | **9.1** | **1.8** | **0.5** | **0.016** |
| **NO OF SAMPLES** | | | | | | | **9** | **9** | **9** | **9** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 24 1250 | | | 3 | 1 | 0.008 | 0.054 | 0.420 | 0.006 | 0.229 | 0.289 | 0.366 | 0.655 | 141.0 | 0.9 |
| 80 02 28 1325 | | | .3 | 1 | 0.003 | 0.056 | 0.550 | 0.006 | 0.214 | 0.276 | 0.494 | 0.770 | 146.0 | 0.2 |
| 80 03 25 1415 | | | 3 | 1 | 0.002 | 0.056 | 0.620 | 0.003 | 0.167 | 0.226 | 0.564 | 0.790 | 151.0 | 6.0 |
| 80 04 24 1030 | | | 3 | 1 | 0.002 | 0.014 | 0.490 | 0.005 | 0.260 | 0.279 | 0.476 | 0.755 | 150.0 | 13.0 |
| 80 05 22 1130 | | | 3 | 1 | 0.002 | 0.012 | 0.560 | 0.002 | 0.008 | 0.022 | 0.548 | 0.570 | 150.0 | 7.0 |
| 80 06 25 1215 | | | .3 | 1 | 0.002 | 0.008 | 0.450 | 0.001 | 0.004 | 0.013 | 0.442 | 0.455 | 141.0 | 4.0 |
| 80 07 08 1340 | | | .3 | 1 | 0.002 | 0.006 | 0.490 | 0.001 | 0.001 | 0.008 | 0.484 | 0.492 | 144.0 | 4.0 |
| 80 08 14 1100 | | | .3 | 1 | 0.001 | 0.128 | 0.720 | 0.002 | 0.005< | 0.135 | 0.592 | 0.727 | 154.0 | 8.0 |
| 80 09 25 1145 | | | .3 | 1 | 0.007 | 0.192 | 0.880 | 0.003 | 0.007 | 0.202 | 0.688 | 0.890 | 153.0 | 10.0 |
| 80 10 09 1100 | | | .3 | 1 | 0.005 | 0.202 | 1.00 | 0.009 | 0.031 | 0.242 | 0.798 | 1.040 | 151 | 8 |
| 80 11 19 1240 | | | 3 | 1 | 0.003 | 0.018 | 0.460 | 0.003 | 0.042 | 0.063 | 0.442 | 0.505 | 137.0 | 4.0 |
| 80 12 10 1258 | | | .3 | 1 | 0.001 | 0.012 | 0.450 | 0.003 | 0.107 | 0.122 | 0.438 | 0.560 | 153.0 | 3.0 |
| **MAXIMUM** | | | | | **0.008** | **0.202** | **1.00** | **0.009** | **0.260** | **0.289** | **0.798** | **1.040** | **154.0** | **13.0** |
| **ARITH MEAN** | | | | | **0.003** | **0.063** | **0.59** | **0.004** | **0.090L** | **0.156** | **0.528** | **0.684** | **147** | **5** |
| **GEOM MEAN** | | | | | **0.003** | **0.033** | **0.56** | **0.003** | **0.029L** | **0.096** | **0.516** | **0.664** | **147** | **4** |
| **MINIMUM** | | | | | **0.001** | **0.006** | **0.420** | **0.001** | **0.001<** | **0.008** | **0.366** | **0.455** | **137.0** | **0.2** |
| **STD DEV** | | | | | **0.002** | **0.072** | **0.18** | **0.002** | **0.101L** | **0.110** | **0.120** | **0.177** | **5** | **3** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RSF<br>RESIDUE FILTERED MG/L | COND25<br>CONDUCT. 25C UMHO/CM AT 25 C | CLIDUR<br>CHLORIDE UNF.REAC MG/L AS CL | PH<br>PH | FWPH<br>PH FIELD |
|---|---|---|---|---|---|---|---|---|---|
| 80 01 24 1250 | | | .3 | 1 | 140.000 | 215.0 | 6.300 | | 8.0 |
| 80 02 28 1325 | | | 3 | 1 | 146.000 | 224.0 | 6.150 | 7.81 | 7.4 |
| 80 03 25 1415 | | | 3 | 1 | 143.000 | 220.0 | 6.650 | 7.65 | 7.5 |
| 80 04 24 1030 | | | 3 | 1 | 137.000 | 210.0 | 5.850 | 7.82 | 8.2 |
| 80 05 22 1130 | | | 3 | 1 | 143.000 | 220.0 | 6.100 | 8.42 | 8.5 |
| 80 06 25 1215 | | | 3 | 1 | 137.000 | 210.0 | 6.090 | 8.32 | 8.3 |
| 80 07 08 1340 | | | .3 | 1 | 140.000 | 215.0 | 7.000 | 8.35 | 8.7 |
| 80 08 14 1100 | | | .3 | 1 | 146.000 | 225.0 | 6.500 | 8.35 | |
| 80 09 25 1145 | | | .3 | 1 | 143.000 | 220.0 | 6.300 | 7.80 | 9.0 |
| 80 10 09 1100 | | | .3 | 1 | 143 | 220 | 6.25 | 7.76 | 7.8 |
| 80 11 19 1240 | | | .3 | 1 | 133.000 | 205.0 | 5.650 | 7.95 | 8.3 |
| 80 12 10 1258 | | | .3 | 1 | | 230.0 | 10.500 | 8.01 | 7.9 |
| MAXIMUM | | | | | 146.000 | 230.0 | 10.500 | 8.42 | 9.0 |
| ARITH MEAN | | | | | 141 | 217 | 6.61 | 8.02 | 8.1 |
| GEOM MEAN | | | | | 140 | 217 | 6.52 | 8.02 | 8.1 |
| MINIMUM | | | | | 133.000 | 205.0 | 5.650 | 7.65 | 7.4 |
| STD DEV | | | | | 4 | 7 | 1.27 | 0.28 | 0.5 |
| NO OF SAMPLES | | | | | 11 | 12 | 12 | 11 | 11 |

B.O.W./ SITE: **CENTRE LAKE**
SAMPLE POINT: **CENTRE OF CENTRE LAKE NORTH OF HWY 121**
STATION TYPE: **LAKE**
MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**
STATION ID: **17-0021-111-01**
STORET CODE: **02 004 1220**
LAT: LONG: U T M: **17 0732550.0 4987500.0 4** REGION: **03** DISTANCE: **186.196**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE<br>SAMPLE NUMBER | FWSTRC<br>STREAM COND. | BOD5<br>BOD 5 DAY TOT.DEM. MG/L AS O | PPUT<br>PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR<br>PO4 FIL.REAC MG/L AS P | NNHTFR<br>NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR<br>K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR<br>NO2-N FIL.REAC MG/L AS N | NNO3FR<br>NO3-N FIL.REAC MG/L AS N | NNTIFR<br>ORG N TOTAL FIL.REAC MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 08 25 | | | .3 | 1 | 90009 | 8 | 0.6 | 0.010 | 0.001< | 0.016 | 0.390 | 0.003 | 0.005< | 0.024 |
| 80 10 07 | | | 3 | 1 | 90010 | 8 | 0.4 | 0.075 | 0.001< | 0.044 | 0.350 | 0.002 | 0.008 | 0.054 |
| MAXIMUM | | | | | | | 0.6 | 0.075 | 0.001 | 0.044 | 0.390 | 0.003 | 0.008 | 0.054 |
| ARITH MEAN | | | | | | | 0.5 | 0.042 | 0.001L | 0.030 | 0.370 | 0.002 | 0.006L | 0.039 |
| GEOM MEAN | | | | | | | 0.5 | 0.027 | 0.001L | 0.027 | 0.369 | 0.002 | 0.006L | 0.038 |
| MINIMUM | | | | | | | 0.4 | 0.010 | 0.001< | 0.016 | 0.350 | 0.002 | 0.005< | 0.024 |
| STD DEV | | | | | | | 0.1 | 0.046 | 0.000L | 0.020 | 0.028 | 0.001 | 0.002L | 0.021 |
| NO OF SAMPLES | | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NNKUR<br>KJELDAHL ORGANIC UNF.REAC MG/L | NNKI<br>TOTAL N MG/L AS N | RST<br>RESIDUE TOTAL MG/L | RSP<br>RESIDUE PARTIC. MG/L | COND25<br>CONDUCT. 25C UMHO/CM AT 25 C | TURB<br>TURB'ITY FTU | CLIDUR<br>CHLORIDE UNF.REAC MG/L AS CL | RA226F<br>RADIUM 226 FIL. PCI/L | GACF<br>GROSS ALPHA CT FILTERED PCI/L | GACP<br>GROSS ALPHA CT UNDISSOL PCI/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 08 25 | | | .3 | 1 | 0.374 | 0.398 | 30.00 | 1.00 | 45.0 | 0.45 | 3.050 | 1.000< | 1.000< | 1.000< |
| 80 10 07 | | | .3 | 1 | 0.306 | 0.360 | 39.00 | 1.00 | 58.0 | 0.65 | 5.900 | 1.000< | 35.000 | 1.000< |
| MAXIMUM | | | | | 0.374 | 0.398 | 39.00 | 1.00 | 58.0 | 0.65 | 5.900 | 1.000 | 35.000 | 1.000 |
| ARITH MEAN | | | | | 0.340 | 0.379 | 34.50 | 1.00 | 51.5 | 0.55 | 4.475 | 1.000L | 18.000L | 1.000L |
| GEOM MEAN | | | | | 0.338 | 0.379 | 34.21 | 1.00 | 51.1 | 0.54 | 4.242 | 1.000L | 5.916L | 1.000L |
| MINIMUM | | | | | 0.306 | 0.360 | 30.00 | 1.00 | 45.0 | 0.45 | 3.050 | 1.000< | 1.000< | 1.000< |
| STD DEV | | | | | 0.048 | 0.027 | 6.36 | 0.00 | 9.2 | 0.14 | 2.015 | 0.000L | 24.042L | 0.000L |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | GBCF<br>GROSS BETA CT FILTERED PCI/L | GBCP<br>GROSS BETA CT UNDISSOL PCI/L | UU238<br>URANIUM 238 UG/L |
|---|---|---|---|---|---|---|---|
| 80 08 25 | | | .3 | 1 | 2.000 | 1.000< | 10.000< |
| 80 10 07 | | | .3 | 1 | 2.000 | 1.000< | 25.000 |
| MAXIMUM | | | | | 2.000 | 1.000 | 25.000 |
| ARITH MEAN | | | | | 2.000 | 1.000L | 17.500L |
| GEOM MEAN | | | | | 2.000 | 1.000L | 15.811L |
| MINIMUM | | | | | 2.000 | 1.000< | 10.000< |
| STD DEV | | | | | 0.000 | 0.000L | 10.607L |
| NO OF SAMPLES | | | | | 2 | 2 | 2 |

B.O.W./ SITE: **AUGER LAKE**
SAMPLE POINT: **UPSTR BICROFT TAILINGS DAM S.OF HWY 121**
STATION TYPE: **LAKE**
MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**
STATION ID: **17-0021-112-01**
STORET CODE: **02 004 1220**
LAT: LONG: U T M: **17 0732550.0 4987050.0 4** REGION: **03** DISTANCE: **186.679**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE<br>SAMPLE NUMBER | FWSTRC<br>STREAM COND. | PPUT<br>PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR<br>PO4 FIL.REAC MG/L AS P | NNHTFR<br>NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR<br>K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR<br>NO2-N FIL.REAC MG/L AS N | NNO3FR<br>NO3-N FIL.REAC MG/L AS N | NNTIFR<br>ORG N TOTAL FIL.REAC MG/L | NNKUR<br>KJELDAHL ORGANIC UNF.REAC MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 08 25 | | | .3 | 1 | 90014 | 8 | 0.009 | 0.001 | 0.024 | 0.320 | 0.001< | 0.005< | 0.030 | 0.296 |
| 80 11 07 | | | .3 | 1 | 90015 | 8 | | | | | | | | |
| MAXIMUM | | | | | | | 0.009 | 0.001 | 0.024 | 0.320 | 0.001 | 0.005 | 0.030 | 0.296 |
| ARITH MEAN | | | | | | | 0.009 | 0.001 | 0.024 | 0.320 | 0.001L | 0.005L | 0.030 | 0.296 |
| GEOM MEAN | | | | | | | | | | | | | | |
| MINIMUM | | | | | | | 0.009 | 0.001 | 0.024 | 0.320 | 0.001< | 0.005< | 0.030 | 0.296 |
| STD DEV | | | | | | | | | | | | | | |
| NO OF SAMPLES | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

(CONTD)

B.O.W./SITE: **AUGER LAKE**
SAMPLE POINT: **UPSTR BICROFT TAILINGS DAM S.OF HWY 121**
STATION TYPE: **LAKE**
MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**
STATION ID: **17-0021-112-01**
STORET CODE: **02**
**004**
**1220**
LAT LONG U T M: **17 0732550.0 4987050.0 4** REGION: **03** DISTANCE: **186.679**

| TEST-NAME | | | | | NNKI | RST | COND25 | TURB | SSO4UR | ACDT | PH | FEUT | MNUT | RA226F |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | SULPHATE UNF REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | PH | IRON UNF.TOT. MG/L AS FE | MANGANSE UNF.TOT. MG/L AS MN | RADIUM 226 FIL. PCI/L |
| 80 08 25 | | | 3 | 1 | 0 326 | 120 00 | 189.0 | 1 90 | 34 000 | 6 340 | 7 00 | 0 960 | 0.192 | 6.000 |
| 80 11 07 | | | 3 | 1 | | 115 00 | 180.0 | 3 10 | 41 000 | 3.150 | 7.40 | 0 820 | 0.156 | 9.000 |
| MAXIMUM | | | | | 0.326 | 120.00 | 189.0 | 3.10 | 41.000 | 6.340 | 7.40 | 0.960 | 0.192 | 9.000 |
| ARITH MEAN | | | | | 0.326 | 117.50 | 184.5 | 2.60 | 37.500 | 4.745 | 7.20 | 0.890 | 0.174 | 7.500 |
| GEOM MEAN | | | | | | 117.47 | 184.4 | 2.43 | 37.336 | 4.469 | 7.20 | 0.887 | 0.173 | 7.348 |
| MINIMUM | | | | | 0.326 | 115.00 | 180.0 | 1.90 | 34.000 | 3.150 | 7.00 | 0.820 | 0.156 | 6.000 |
| STD DEV | | | | | | 3.54 | 6.4 | 0.85 | 4.950 | 2.258 | 0.28 | 0.099 | 0.025 | 2.121 |
| NO OF SAMPLES | | | | | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | GACF | GACP | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 08 25 | | | .3 | 1 | 21.000 | 34.000 | 14 000 | 17 000 | 10.000< |
| 80 11 07 | | | .3 | 1 | 53 000 | 1 000< | 20 000 | 1 000< | 17 000 |
| MAXIMUM | | | | | 53.000 | 34.000 | 20.000 | 17.000 | 17.000 |
| ARITH MEAN | | | | | 37.000 | 17.500L | 17.000 | 9.000L | 13.500L |
| GEOM MEAN | | | | | 33.362 | 5.831L | 16.733 | 4.123L | 13.038L |
| MINIMUM | | | | | 21.000 | 1.000< | 14.000 | 1.000< | 10.000< |
| STD DEV | | | | | 22.627 | 23.335L | 4.243 | 11.314L | 4.950L |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 |

B.O.W./SITE: **PRIVATE WATER SUPPLY**
SAMPLE POINT: **AT HOUSE NEAR DEER CREEK**
STATION TYPE: **CREEK PRIVATE SUPPLY**
MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**
STATION ID: **17-0021-115-22**
STORET CODE: **02**
**004**
**1220**
LAT LONG U T M: **17 0733800.0 4985700.0 4** REGION: **03** DISTANCE: **183.290**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | RST | COND25 | TURB | SSO4UR | ACDT | PH | FEUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | RESIDUE TOTAL MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | PH | IRON UNF.TOT. MG/L AS FE | MANGANSE UNF.TOT. MG/L AS MN |
| 80 08 25 | | | 3 | 1 | 90012 | 8 | 40.00 | 62 0 | 1 50 | 4.000 | 2.210 | 6.90 | 0.600 | 0.080 |
| 80 09 18 | | | 3 | 1 | 90011 | 8 | | | | | | | | |
| 80 10 07 | | | 3 | 1 | 90013 | 8 | 100.00 | 155 0 | 1 90 | 8.000 | 5.110 | 6.70 | 0.700 | 0.090 |
| MAXIMUM | | | | | | | 100.00 | 155.0 | 1.90 | 8.000 | 5.110 | 6.90 | 0.700 | 0.090 |
| ARITH MEAN | | | | | | | 70.00 | 108.5 | 1.70 | 6.000 | 3.660 | 6.80 | 0.650 | 0.085 |
| GEOM MEAN | | | | | | | 63.25 | 98.0 | 1.69 | 5.657 | 3.361 | 6.80 | 0.648 | 0.085 |
| MINIMUM | | | | | | | 40.00 | 62.0 | 1.50 | 4.000 | 2.210 | 6.70 | 0.600 | 0.080 |
| STD DEV | | | | | | | 42.43 | 65.8 | 0.28 | 2.828 | 2.051 | 0.14 | 0.071 | 0.007 |
| NO OF SAMPLES | | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | RA226F | GACF | GACP | GBCF | GBCP | UU238 |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RADIUM 226 FIL. PCI/L | GROSS ALPHA CT FILTERED PCI/L | GROSS ALPHA CT UNDISSOL PCI/L | GROSS BETA CT FILTERED PCI/L | GROSS BETA CT UNDISSOL PCI/L | URANIUM 238 UG/L |
| 80 08 25 | | | 3 | 1 | 1 000< | 1 000< | 1 000 | 2 000 | 1 000 | 10 000< |
| 80 09 18 | | | .3 | 1 | 1.000< | 1 000< | 1 000< | 2 000 | 1.000< | 10 000< |
| 80 10 07 | | | .3 | 1 | 1 000< | 1 000< | 1.000< | 2 000 | 1 000< | 10 000< |
| MAXIMUM | | | | | 1.000 | 1.000 | 1.000 | 2.000 | 1.000 | 10.000 |
| ARITH MEAN | | | | | 1.000L | 1.000L | 1.000L | 2.000 | 1.000L | 10.000L |
| GEOM MEAN | | | | | 1.000L | 1.000L | 1.000L | 2.000 | 1.000L | 10.000L |
| MINIMUM | | | | | 1.000< | 1.000< | 1.000< | 2.000 | 1.000< | 10.000< |
| STD DEV | | | | | 0.000L | 0.000L | 0.000L | 0.000 | 0.000L | 0.000L |
| NO OF SAMPLES | | | | | 3 | 3 | 3 | 3 | 3 | 3 |

B.O.W./SITE: **SCUGOG RIVER**
SAMPLE POINT: **AT HIGHWAYS NO 7 AND NO 35 LINDSAY**
MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**
STATION ID: **17-0021-116-02**
STORET CODE: **02**
**004**
**1220**
LAT LONG. U T M: **17 0680925.0 4910525.0 4** REGION: **03** DISTANCE: **253.626**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 21 1420 | | | .3 | 1 | 21008 | 6 | 260 | 580 | 20I | 10< | 0.0 | 9.1 | 0.6 | 0.027 |
| 80 01 22 1045 | | | .3 | 1 | 28251 | | 380 | 260 | 10I | 20I | 0.5 | 11.6 | 1.0 | 0.024 |
| 80 02 12 0945 | | | .3 | 1 | 28253 | 4 | 3200 | 17000 | 160I | 140I | 7.6 | 12.4 | 7.4 | 0.022 |
| 80 04 01 1030 | | | .3 | 1 | 28255 | 3 | 1020C | 9400 | 20< | 20< | 0.5 | 7.2 | 1.8 | 0.046 |
| 80 05 07 1145 | | | .3 | 1 | 28257 | 1 8 | 80I | 180 | 10I | 10< | 18 0 | 8.2 | 1.8 | 0.042 |
| 80 06 25 1120 | | | .3 | 1 | 28259 | | 130 | 1600 | 70I | 150 | 23.0 | 10.4 | 1.0 | 0.027 |
| 80 07 24 1000 | | | .3 | 1 | 28261 | 8 | | | | | | | 0.8 | 0.030 |
| 80 10 06 1215 | | | 3 | 1 | 28263 | 6 | 170 | 200 | 20I | 30I | 11 8 | 8.0 | 1.2 | 0.032 |
| 80 11 10 1000 | | | 3 | 1 | 28265 | | 130C | 5600 | 10< | 70I | 3.5 | 10.8 | 1.0 | 0.032 |
| 80 12 18 1120 | | | 3 | 1 | 28267 | | 180I | 940 | 4< | 4< | 0.5 | 9.2 | 1.4 | 0.009 |
| MAXIMUM | | | | | | | 3200 | 17000 | 160 | 150 | 23.0 | 12.4 | 7.4 | 0.046 |
| ARITH MEAN | | | | | | | 617 | 3973 | 38L | 50L | 7.3 | 9.7 | 1.8 | 0.029 |
| GEOM MEAN | | | | | | | 287 | 1247 | 19L | 27L | 2.9 | 9.6 | 1.3 | 0.027 |
| MINIMUM | | | | | | | 80 | 180 | 4< | 4< | 0.0 | 7.2 | 0.8 | 0.009 |
| STD DEV | | | | | | | 1011 | 5815 | 50L | 57L | 8.6 | 1.8 | 2.0 | 0.010 |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 10 | 10 |

(CONTD)

| TEST-NAME: | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE FILTERED MG/L |
| 80 01 21 1420 | | | .3 | 1 | 0.001 | 0.064 | 1.070 | 0 003 | 0.147 | 0.214 | 1.006 | 1.220 | 239.0 | 234.000 |
| 80 01 22 1045 | | | .3 | 1 | 0.002 | 0.248 | 1 070 | 0 006 | 0.474 | 0.728 | 0.822 | 1 550 | 238 0 | 234 000 |
| 80 02 12 0945 | | | .3 | 1 | 0 001 | 0.308 | 1 240 | 0 007 | 0.463 | 0.778 | 0 932 | 1.710 | 274.0 | 270.000 |
| 80 04 01 1030 | | | .3 | 1 | 0.003 | 0.210 | 0.860 | 0 017 | 0 749 | 0.976 | 0.650 | 1 626 | 176 0 | 169.000 |
| 80 05 07 1145 | | | .3 | 1 | 0.001 | 0.036 | 0.890 | 0 010 | 0.205 | 0 251 | 0.854 | 1.105 | 248.0 | 231.000 |
| 80 06 25 1120 | | | .3 | 1 | 0.001 | 0.027 | 0.830 | 0.003 | 0.017 | 0.047 | 0.803 | 0 850 | 226 0 | 221.000 |
| 80 07 24 1000 | | | .3 | 1 | 0.005 | 0.086 | 0 950 | 0.008 | 0.037 | 0.131 | 0.864 | 0 995 | 224 0 | 218.000 |
| 80 10 06 1215 | | | .3 | 1 | 0.014 | 0.138 | 1 000 | 0.005 | 0 145 | 0.288 | 0.862 | 1 150 | 256 0 | 250.000 |
| 80 11 10 1000 | | | .3 | 1 | 0.001 | 0.044 | 0 720 | 0 006 | 0.814 | 0.864 | 0.676 | 1 540 | 303.0 | 299.0 |
| 80 12 18 1120 | | | .3 | 1 | 0 001 | 0.152 | 0.870 | 0 007 | 0.653 | 0 812 | 0.718 | 1.530 | 265.0 | 260 0 |
| MAXIMUM | | | | | 0.014 | 0.308 | 1.240 | 0.017 | 0.814 | 0.976 | 1.006 | 1.710 | 303.0 | 299.0 |
| ARITH MEAN | | | | | 0.003 | 0.131 | 0.950 | 0.007 | 0.370 | 0.509 | 0.819 | 1.328 | 244.9 | 238.6 |
| GEOM MEAN | | | | | 0.002 | 0.098 | 0.940 | 0.006 | 0.218 | 0.360 | 0.812 | 1.296 | 242.7 | 236.1 |
| MINIMUM | | | | | 0.001 | 0.027 | 0.720 | 0.003 | 0.017 | 0.047 | 0.650 | 0.850 | 176.0 | 169.000 |
| STD DEV | | | | | 0.004 | 0.098 | 0.149 | 0.004 | 0.299 | 0.352 | 0.112 | 0.299 | 34.0 | 34.8 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | COND25 | CLIDUR | PH | FWPH |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | CHLORIDE UNF.REAC MG/L AS CL | PH | PH FIELD |
| 80 01 21 1420 | | | .3 | 1 | 360.0 | 13.500 | | 7.9 |
| 80 01 22 1045 | | | .3 | 1 | 360.0 | 13.500 | 7.72 | |
| 80 02 12 0945 | | | .3 | 1 | 415.0 | 16.500 | 7 56 | |
| 80 04 01 1030 | | | .3 | 1 | 260 0 | 7.600 | 7 41 | 7.3 |
| 80 05 07 1145 | | | .3 | 1 | 355.0 | | 7.96 | 8 0 |
| 80 06 25 1120 | | | .3 | 1 | 340.0 | 12.500 | 8.31 | 8.0 |
| 80 07 24 1000 | | | .3 | 1 | 335.0 | 9.550 | 7.83 | |
| 80 10 06 1215 | | | .3 | 1 | 385.0 | 14.000 | 7.81 | 7.8 |
| 80 11 10 1000 | | | .3 | 1 | 475.0 | 15.000 | 7.89 | 7.8 |
| 80 12 18 1120 | | | .3 | 1 | 400.0 | 15.500 | 8.09 | |
| MAXIMUM | | | | | 475.0 | 16.500 | 8.31 | 8.0 |
| ARITH MEAN | | | | | 368.5 | 13.072 | 7.84 | 7.8 |
| GEOM MEAN | | | | | 364.5 | 12.746 | 7.84 | 7.8 |
| MINIMUM | | | | | 260.0 | 7.600 | 7.41 | 7.3 |
| STD DEV | | | | | 58.6 | 2.856 | 0.27 | 0.3 |
| NO OF SAMPLES | | | | | 10 | 9 | 9 | 6 |

B.O.W./ SITE: **TRENT RIVER**
SAMPLE POINT: **AT GLEN ROSS BRIDGE**
STATION TYPE: **RIVER FLOW GAUGE FED 02HK004**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **TRENT RIVER**

STATION ID: **17-0021-118-02**
STORET CODE: **02**
**004**
**1220**

LAT: LONG: U.T.M.: **18 0292700.0 4904250.0 4** REGION: **04** DISTANCE: **23.013**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P |
| 80 04 01 1145 | | | .3 | 1 | 16309 | 3 6 | 484 000 | 4< | | 2.5 | 12.0 | 1.4 | 0 060 | 0.010 |
| 80 04 16 0840 | | | .3 | 1 | 16314 | 3 6 | 513.000 | | | 2.0 | 11.0 | 0.5 | 0.030 | 0.002 |
| 80 05 27 1145 | | | .3 | 1 | 16319 | 6 | 102 000 | 4< | 4< | 17.5 | 9.0 | 0.4 | 0.038 | 0.010 |
| 80 06 25 1140 | | | .3 | 1 | 16324 | 6 8 | 154.000 | | | 21.0 | 9.0 | 1.2 | 0 020 | 0.002< |
| 80 07 23 1100 | | | .3 | 1 | 16329 | 0 6 8 | 156 000 | | | 22.5 | 7.0 | 7.3 | 0.042 | 0.004 |
| 80 08 26 1100 | | | .3 | 1 | 16334 | 8 | 22.200 | 8 | 36 | 23.0 | 8.0 | 1.3 | 0.042 | 0.002< |
| 80 10 01 1145 | | | .3 | 1 | 16339 | 8 | 48 000 | 4 | 4< | 14.0 | 9.0 | 1.6 | 0.072 | 0.004 |
| 80 10 28 1140 | | | .3 | 1 | 16344 | 6 8 | 181.000 | 12 | 56 | 4.5 | 9.0 | 1.0 | 0.038 | 0.009 |
| 80 11 25 1135 | | | 3 | 1 | 16349 | 6 | 120.000 | | | 1.0 | 10.0 | 0.2 | 0.010 | 0.002< |
| MAXIMUM | | | | | | | 513.000 | 12 | 56 | 23.0 | 12.0 | 7.3 | 0.072 | 0.010 |
| ARITH MEAN | | | | | | | 197.800 | 6L | 25L | 12.0 | 9.3 | 1.7 | 0.039 | 0.005L |
| GEOM MEAN | | | | | | | 134.162 | 6L | 13L | 7.3 | 9.2 | 1.0 | 0.034 | 0.004L |
| MINIMUM | | | | | | | 22.200 | 4< | 4< | 1.0 | 7.0 | 0.2 | 0.010 | 0.002< |
| STD DEV | | | | | | | 178.085 | 4L | 26L | 9.4 | 1.5 | 2.2 | 0.019 | 0.004L |
| NO OF SAMPLES | | | | | | | 9 | 5 | 4 | 9 | 9 | 9 | 9 | 9 |

| TEST-NAME: | | | | | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 04 01 1145 | | | .3 | 1 | 0.110 | 0.450 | 0.012 | 0.390 | 0.512 | 0.340 | 0.852 | 200.0 | 6.00 | 6.800 |
| 80 04 16 0840 | | | .3 | 1 | 0.020 | 0.510 | 0.004 | 0.260 | 0.284 | 0.490 | 0.774 | 215.0 | 3.50 | 6.000 |
| 80 05 27 1145 | | | .3 | 1 | 0.08 | 0.55 | 0.004 | 0.02 < | 0.104 | 0.470 | 0.574 | 220 | 2.1 | 5.8 |
| 80 06 25 1140 | | | .3 | 1 | 0.050 | 0.370 | 0.004 | 0.020< | 0.074 | 0.320 | 0.394 | 220.0 | 2.30 | 7.500 |
| 80 07 23 1100 | | | .3 | 1 | 0.040 | 0.550 | 0.04 | 0.12 | 0.200 | 0.510 | 0.710 | 210.0 | 2.50 | 7.0 |
| 80 08 26 1100 | | | .3 | 1 | 0.100 | 0.500 | 0.002< | 0.020< | 0.122 | 0.400 | 0.522 | 220.0 | 2.40 | 7.500 |
| 80 10 01 1145 | | | .3 | 1 | 0.120 | 0.630 | 0.014 | 0.050 | 0.184 | 0.510 | 0.694 | 225.0 | 2.50 | 8.000 |
| 80 10 28 1140 | | | 3 | 1 | 0.080 | 0.450 | 0.042 | 0.100 | 0.222 | 0.370 | 0.592 | 230.0 | 2.20 | 8.000 |
| 80 11 25 1135 | | | .3 | 1 | 0.010 | 0.380 | 0.002 | 0.040 | 0.052 | 0.370 | 0.422 | 215.0 | 1.10 | 5.800 |
| MAXIMUM | | | | | 0.120 | 0.630 | 0.042 | 0.390 | 0.512 | 0.510 | 0.852 | 230.0 | 6.00 | 8.000 |
| ARITH MEAN | | | | | 0.06 | 0.48 | 0.01 L | 0.11 L | 0.195 | 0.420 | 0.615 | 217 | 2.7 | 6.9 |
| GEOM MEAN | | | | | 0.05 | 0.48 | 0.00 L | 0.06 L | 0.157 | 0.414 | 0.597 | 217 | 2.4 | 6.8 |
| MINIMUM | | | | | 0.010 | 0.370 | 0.002< | 0.02 < | 0.052 | 0.320 | 0.394 | 200.0 | 1.10 | 5.8 |
| STD DEV | | | | | 0.04 | 0.08 | 0.01 L | 0.12 L | 0.141 | 0.075 | 0.156 | 8 | 1.3 | 0.8 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| | | | |
|---|---|---|---|
| ROW / SITE | **MOIRA RIVER** | | STATION ID **17-0026-001-02** |
| SAMPLE POINT | **FOOTBRIDGE NORTH OF HIGHWAY 2 BELLEVILLE** | | |
| STATION TYPE | **RIVER** | MAJOR BASIN **GREAT LAKES** | STORET CODE **02** |
| | | MINOR BASIN **LAKE ONTARIO** | **004** |
| | | TERM STREAM **MOIRA RIVER** | **1080** |
| LAT | LONG: | U T M: **18 0300150.0 4892875.0 4** | REGION: **04** DISTANCE: **1.127** |

| TEST-NAME: | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | PPUT | PPO4FR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 01 07 1430 | | .3 | 1 | 17012 | 6 | | | 1.0 | 14.0 | 0.040 | 0.001 | 0.650 | 0.005 |
| 80 03 20 1340 | | .3 | 1 | 15324 | 6 | | | | | | | | |
| 80 04 08 1400 | | .3 | 1 | 17051 | 8 | 4< | 8 | | | 0.022 | 0.008 | 0.380 | 0.012 |
| 80 04 22 1445 | | .3 | 1 | 15458 | 6 | | | | | | | | |
| 80 05 05 1400 | | .3 | 1 | 17064 | 6 | 8 | 4< | 14.5 | 12.0 | 0.020 | 0.050 | 0.470 | 0.030 |
| 80 05 20 1355 | | .3 | 1 | 15477 | 6 | | | | | | | | |
| 80 06 03 1245 | | .3 | 1 | 17077 | 6 | 480 | 204 | 18.0 | 9.0 | 0.026 | 0.006 | 0.490 | 0.008 |
| 80 06 06 1305 | | .3 | 1 | 15490 | 6 | | | | | | | | |
| 80 07 01 1303 | | .3 | 1 | 17090 | 6 | 44 | 28 | 22.0 | 8.0 | 0.018 | 0.006 | 0.51 | 0.003 |
| 80 07 31 1330 | | .3 | 1 | 15515 | 6 | | | | | | | | |
| 80 08 05 1340 | | .3 | 1 | 17103 | 6 | 8 | 4< | 17.0 | 9.0 | 0.024 | 0.010 | 0.50 | 0.002< |
| 80 08 26 1255 | | .3 | 1 | 15528 | 6 | | | | | | | | |
| 80 09 01 1148 | | .3 | 1 | 17116 | | 520 | 124 | 25.0 | 9.0 | 0.022 | 0.008 | 0.450 | 0.002 |
| 80 09 16 1340 | | .3 | 1 | 15553 | 6 | | | | | | | | |
| 80 10 01 1230 | | .3 | 1 | 17129 | 6 | 4 | 24 | | | 0.134 | 0.084 | 0.490 | 0.002 |
| 80 10 20 1245 | | .3 | 1 | 15566 | 6 | | | | | | | | |
| 80 11 03 1220 | | .3 | 1 | 17142 | 6 | 88 | 8 | | | 0.028 | 0.016 | 0.520 | 0.003 |
| 80 11 28 1255 | | .3 | 1 | 15590 | 6 | | | | | | | | |
| 80 12 01 1210 | | .3 | 1 | 17155 | 6 | 12 | 44 | 1.0 | 15.0 | 0.020 | 0.008 | 0.380 | 0.004 |
| MAXIMUM | | | | | | **520** | **204** | **25.0** | **15.0** | **0.134** | **0.084** | **0.650** | **0.030** |
| ARITH MEAN | | | | | | **130L** | **50L** | **14.1** | **10.9** | **0.035** | **0.020** | **0.48** | **0.007L** |
| GEOM MEAN | | | | | | **28L** | **21L** | **8.2** | **10.6** | **0.028** | **0.010** | **0.47** | **0.005L** |
| MINIMUM | | | | | | **4<** | **4<** | **1.0** | **8.0** | **0.018** | **0.001** | **0.380** | **0.002<** |
| STD DEV | | | | | | **212L** | **69L** | **9.6** | **2.8** | **0.035** | **0.026** | **0.07** | **0.009L** |
| NO OF SAMPLES | | | | | | **9** | **9** | **7** | **7** | **10** | **10** | **10** | **10** |

| TEST-NAME: | | | | NNO3FR | NNKI | RSP | RSF | COND25 | ALKT | PH | ASUT | CRUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | ALK TOTAL MG/L AS CACO3 | PH | ARSENIC UNF.TOT. MG/L AS AS | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU |
| 80 01 07 1430 | | .3 | 1 | 0.190 | 0.845 | 2.0 | 143.000 | 220.0 | | | 0.012 | | |
| 80 03 20 1340 | | .3 | 1 | | | | | | | | 0.004 | | |
| 80 04 08 1400 | | .3 | 1 | 0.230 | 0.622 | 2.00 | 34.00 | | 72.0 | 7.80 | 0.010 | 0.020< | 0.010 < |
| 80 04 22 1445 | | .3 | 1 | | | | | | | | 0.008 | | |
| 80 05 05 1400 | | .3 | 1 | 0.006 | 0.506 | 3.00 | 121.000 | | 79.0 | 7.80 | 0.007 | 0.020< | 0.020 |
| 80 05 20 1355 | | .3 | 1 | | | | | | | | 0.010 | | |
| 80 06 03 1245 | | .3 | 1 | 0.050 | 0.548 | 3.00 | 91.00 | | 97.0 | 8.00 | 0.008 | 0.020< | 0.010 |
| 80 06 06 1305 | | .3 | 1 | | | | | | | | 0.010 | | |
| 80 07 01 1303 | | .3 | 1 | 0.02 | 0.533 | 45 | 195 | 235 | 107 | 8.3 | 0.001< | 0.02 < | 0.02 |
| 80 07 31 1330 | | .3 | 1 | | | | | | | | 0.011 | | |
| 80 08 05 1340 | | .3 | 1 | 0.02 < | 0.522 | 2 | 220 | | 0.125 | 8.3 | 0.013 | 0.002< | 0.001 < |
| 80 08 26 1255 | | .3 | 1 | | | | | | | | 0.012 | | |
| 80 09 01 1148 | | .3 | 1 | 0.040 | 0.492 | 2.00 | 169.000 | 260.0 | 111.0 | 8.10 | 0.018 | 0.005 | 0.002 |
| 80 09 16 1340 | | .3 | 1 | | | | | | | | 0.012 | | |
| 80 10 01 1230 | | .3 | 1 | 0.020 | 0.512 | 1.00 | 146.000 | 225.0 | 98.0 | 8.20 | 0.013 | 0.002< | 0.006 |
| 80 10 20 1245 | | .3 | 1 | | | | | | | | 0.011 | | |
| 80 11 03 1220 | | .3 | 1 | 0.020 | 0.543 | 3.00 | 132.000 | 205.0 | 88.0 | 8.20 | 0.006 | 0.002< | 0.003 |
| 80 11 28 1255 | | .3 | 1 | | | | | | | | 0.008 | | |
| 80 12 01 1210 | | .3 | 1 | 0.080 | 0.464 | 1.00 | 146.000 | 225.0 | 89.0 | 8.10 | 0.010 | 0.001< | 0.0005< |
| MAXIMUM | | | | **0.230** | **0.845** | **45** | **220** | **260.0** | **111.0** | **8.3** | **0.018** | **0.02** | **0.02** |
| ARITH MEAN | | | | **0.06 L** | **0.569** | **6** | **139** | **228** | **82** | **8.0** | **0.010L** | **0.01 L** | **0.00 L** |
| GEOM MEAN | | | | **0.03 L** | **0.551** | **2** | **127** | **227** | **44** | **8.0** | **0.009L** | **0.00 L** | **0.00 L** |
| MINIMUM | | | | **0.006<** | **0.464** | **1.00** | **34.00** | **205.0** | **0.125** | **7.80** | **0.001<** | **0.001<** | **0.0005<** |
| STD DEV | | | | **0.07 L** | **0.109** | **13** | **52** | **18** | **33** | **0.1** | **0.004L** | **0.00 L** | **0.00 L** |
| NO OF SAMPLES | | | | **10** | **10** | **10** | **10** | **6** | **9** | **9** | **19** | **9** | **9** |

| TEST-NAME: | | | | PBUT | CDUT | ZNUT | P1PCBT |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | PCB TOTAL UG/L |
| 80 04 08 1400 | | .3 | 1 | 0.030< | 0.005 < | 0.020 | |
| 80 05 05 1400 | | .3 | 1 | 0.040 | 0.005 < | 0.010< | 0.020R |
| 80 06 03 1245 | | .3 | 1 | 0.030< | 0.005 < | 0.010< | 0.030 |
| 80 07 01 1303 | | .3 | 1 | 0.03 < | 0.005 < | 0.01 < | 0.020R |
| 80 08 05 1340 | | .3 | 1 | 0.001< | 0.0001< | 0.002 | 0.020R |
| 80 09 01 1148 | | .3 | 1 | 0.003< | 0.0004 | 0.004 | 0.020 |
| 80 10 01 1230 | | .3 | 1 | 0.003< | 0.0002< | 0.007 | 0.020R |
| 80 11 03 1220 | | .3 | 1 | 0.003< | 0.0002< | 0.012 | 0.020R |
| 80 12 01 1210 | | .3 | 1 | 0.003< | 0.0002< | 0.008 | 0.020R |
| MAXIMUM | | | | **0.040** | **0.005** | **0.020** | |
| ARITH MEAN | | | | **0.01 L** | **0.002 L** | **0.00 L** | |
| GEOM MEAN | | | | **0.00 L** | **0.000 L** | **0.00 L** | |
| MINIMUM | | | | **0.001<** | **0.0001<** | **0.002<** | |
| STD DEV | | | | **0.01 L** | **0.002 L** | **0.00 L** | |
| NO OF SAMPLES | | | | **9** | **9** | **9** | |

B.O.W./ SITE: **MOIRA RIVER**
SAMPLE POINT: **BRIDGE IN CANNIFTON**
STATION TYPE: **RIVER FLOW GAUGE FED 02HL001**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ONTARIO**
TERM STREAM **MOIRA RIVER**

STATION ID: **17-0020-002-02**
STORET CODE: **02**
**004**
**1980**

LAT: LONG: U T M: **18 0308750.0 4897325.0 4** REGION: **04** DISTANCE: **6.270**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N |
| 80 01 07 1415 | | .3 | 1 | 17011 | 6 | 38.400 | 1.0 | 16.0 | 1.0 | 0.090 | 0.004 | 0.026 | 0.930 |
| 80 02 04 1425 | | .3 | 1 | 17024 | 6 | 16.100 | | | 1.4 | 0.018 | 0.008 | 0.010 | 0.460 |
| 80 02 26 1400 | | .3 | 1 | 15311 | 6 | 10.500 | | | | | | | |
| 80 03 03 0129 | | .3 | 1 | 17037 | 6 | 8.390 | 0.0 | 14.0 | | | | | |
| 80 03 20 1325 | | .3 | 1 | 15323 | 6 | 28.000 | | | | | | | |
| 80 04 22 1430 | | .3 | 1 | 15457 | 6 | 104.000 | | | | | | | |
| 80 05 05 1340 | | .3 | 1 | 17063 | 6 | 75.500 | 15.0 | 11.0 | | | | | |
| 80 05 20 1340 | | .3 | 1 | 15476 | 6 | 34.800 | | | | | | | |
| 80 06 03 1230 | | .3 | 1 | 17076 | 6 | 16.300 | 18.0 | 9.0 | | | | | |
| 80 06 06 1250 | | .3 | 1 | 15489 | 6 | 14.400 | | | | | | | |
| 80 07 01 1246 | | .3 | 1 | 17089 | 6 | 9.890 | 22.0 | 6.0 | | | | | |
| 80 07 31 1315 | | .3 | 1 | 15514 | 6 | 6.220 | | | | | | | |
| 80 08 05 1324 | | .3 | 1 | 17102 | 6 | 4.020 | 20.0 | 7.0 | | | | | |
| 80 08 26 1235 | | .3 | 1 | 15527 | 6 | 2.420 | | | | | | | |
| 80 09 16 1320 | | .3 | 1 | 15552 | 6 | 2.980 | | | | | | | |
| 80 10 01 1215 | | .3 | 1 | 17128 | 6 | 3.310 | | | | | | | |
| 80 10 20 1230 | | .3 | 1 | 15565 | 6 | 4.940 | | | | | | | |
| 80 11 03 1208 | | .3 | 1 | 17141 | 6 | 15.600 | | | | | | | |
| 80 11 28 1235 | | .3 | 1 | 15589 | 6 | 23.000 | | | | | | | |
| 80 12 01 1155 | | .3 | 1 | 17154 | 6 | 23.500 | 1.0 | 13.0 | | | | | |
| MAXIMUM | | | | | | 104.000 | 22.0 | 16.0 | 1.4 | 0.090 | 0.008 | 0.026 | 0.930 |
| ARITH MEAN | | | | | | 22.113 | 11.0 | 10.9 | 1.2 | 0.054 | 0.006 | 0.018 | 0.695 |
| GEOM MEAN | | | | | | 13.154 | 5.3 | 10.3 | 1.2 | 0.040 | 0.006 | 0.016 | 0.654 |
| MINIMUM | | | | | | 2.420 | 0.0 | 6.0 | 1.0 | 0.018 | 0.004 | 0.010 | 0.460 |
| STD DEV | | | | | | 25.799 | 9.9 | 3.7 | 0.3 | 0.051 | 0.003 | 0.011 | 0.332 |
| NO OF SAMPLES | | | | | | 20 | 7 | 7 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 01 07 1415 | | .3 | 1 | 0.005 | 0.210 | 0.241 | 0.904 | 1.145 | 2.0 | 143.000 | 220.0 | 1.60 | 5.000 |
| 80 02 04 1425 | | .3 | 1 | 0.006 | 0.170 | 0.186 | 0.450 | 0.636 | 1.0 | 146.000 | 225.0 | 1.40 | 5.800 |
| MAXIMUM | | | | 0.006 | 0.210 | 0.241 | 0.904 | 1.145 | 2.0 | 146.000 | 225.0 | 1.60 | 5.800 |
| ARITH MEAN | | | | 0.005 | 0.190 | 0.213 | 0.677 | 0.890 | 1.5 | 144.500 | 222.5 | 1.50 | 5.400 |
| GEOM MEAN | | | | 0.005 | 0.189 | 0.212 | 0.638 | 0.853 | 1.4 | 144.492 | 222.5 | 1.50 | 5.385 |
| MINIMUM | | | | 0.005 | 0.170 | 0.186 | 0.450 | 0.636 | 1.0 | 143.000 | 220.0 | 1.40 | 5.000 |
| STD DEV | | | | 0.001 | 0.028 | 0.039 | 0.321 | 0.360 | 0.7 | 2.121 | 3.5 | 0.14 | 0.566 |
| NO OF SAMPLES | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | ASUT |
|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS |
| 80 01 07 1415 | | .3 | 1 | 0.012 |
| 80 02 04 1425 | | .3 | 1 | 0.012 |
| 80 02 26 1400 | | .3 | 1 | 0.009 |
| 80 03 03 0129 | | .3 | 1 | 0.008 |
| 80 03 20 1325 | | .3 | 1 | 0.003 |
| 80 04 22 1430 | | .3 | 1 | 0.008 |
| 80 05 05 1340 | | .3 | 1 | 0.007 |
| 80 05 20 1340 | | .3 | 1 | 0.011 |
| 80 06 03 1230 | | .3 | 1 | 0.009 |
| 80 06 06 1250 | | .3 | 1 | 0.010 |
| 80 07 01 1246 | | .3 | 1 | 0.010 |
| 80 07 31 1315 | | .3 | 1 | 0.013 |
| 80 08 05 1324 | | .3 | 1 | 0.014 |
| 80 08 26 1235 | | .3 | 1 | 0.012 |
| 80 09 16 1320 | | .3 | 1 | 0.320 |
| 80 10 01 1215 | | .3 | 1 | 0.040 |
| 80 10 20 1230 | | .3 | 1 | 0.011 |
| 80 11 03 1208 | | .3 | 1 | 0.008 |
| 80 11 28 1235 | | .3 | 1 | 0.008 |
| 80 12 01 1155 | | .3 | 1 | 0.007 |
| MAXIMUM | | | | 0.320 |
| ARITH MEAN | | | | 0.027 |
| GEOM MEAN | | | | 0.012 |
| MINIMUM | | | | 0.003 |
| STD DEV | | | | 0.069 |
| NO OF SAMPLES | | | | 20 |

| | | |
|---|---|---|
| B O W / SITE: **MOIRA RIVER**<br>SAMPLE POINT: **AT STOCO LAKE OUTLET**<br>STATION TYPE: **RIVER** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE ONTARIO**<br>TERM STREAM: **MOIRA RIVER** | STATION ID: **17-0026-003-02**<br>STORET CODE: **02**<br>**004**<br>**1080** |
| LAT: LONG: | U T M: **18 0317125.0 4925150.0 4** | REGION: **04** DISTANCE: **43.773** |

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 01 07 0922 | | .3 | 1 | 17000 | 6 | 0.0 | 15.0 | 1.0 | 0.103 | 0.002 | 0.036 | 1.180 | 0.005 |
| 80 02 04 0922 | | .3 | 1 | 17013 | 4 | | | 2.3 | 0.026 | 0.008 | 0.020 | 0.540 | 0.006 |
| 80 03 03 0900 | | .3 | 1 | 17026 | 4 | 0.0 | 13.0 | | | | | | |
| 80 03 20 1300 | | .3 | 1 | 15322 | 6 | | | | | | | | |
| 80 04 22 1400 | | .3 | 1 | 15456 | 6 | | | | | | | | |
| 80 05 05 0945 | | .3 | 1 | 17052 | 6 | 13.0 | 10.0 | | | | | | |
| 80 05 20 1310 | | .3 | 1 | 15475 | 6 | | | | | | | | |
| 80 06 03 0850 | | .3 | 1 | 17065 | 6 | 16.0 | 9.0 | | | | | | |
| 80 06 06 1225 | | .3 | 1 | 15488 | 6 | | | | | | | | |
| 80 07 01 0920 | | .3 | 1 | 17078 | 6 | 20.5 | 9.0 | | | | | | |
| 80 07 31 1245 | | .3 | 1 | 15513 | 6 | | | | | | | | |
| 80 08 05 0940 | | .3 | 1 | 17091 | 5 | 14.5 | 8.0 | | | | | | |
| 80 08 26 1210 | | .3 | 1 | 15526 | 6 | | | | | | | | |
| 80 09 16 1800 | | .3 | 1 | 15551 | 6 | | | | | | | | |
| 80 10 01 0912 | | .3 | 1 | 17117 | 6 | | | | | | | | |
| 80 10 20 1205 | | .3 | 1 | 15564 | 6 | | | | | | | | |
| 80 11 03 0920 | | .3 | 1 | 17130 | | | | | | | | | |
| 80 11 28 1210 | | .3 | 1 | 15588 | 6 | | | | | | | | |
| 80 12 01 0919 | | .3 | 1 | 17143 | 6 | 1.0 | 15.0 | | | | | | |
| **MAXIMUM** | | | | | | **20.5** | **15.0** | **2.3** | **0.103** | **0.008** | **0.036** | **1.180** | **0.006** |
| **ARITH MEAN** | | | | | | **9.3** | **11.3** | **1.6** | **0.064** | **0.005** | **0.028** | **0.860** | **0.005** |
| **GEOM MEAN** | | | | | | **4.8** | **11.0** | **1.5** | **0.052** | **0.004** | **0.027** | **0.798** | **0.005** |
| **MINIMUM** | | | | | | **0.0** | **8.0** | **1.0** | **0.026** | **0.002** | **0.020** | **0.540** | **0.005** |
| **STD DEV** | | | | | | **8.7** | **3.0** | **0.9** | **0.054** | **0.004** | **0.011** | **0.453** | **0.001** |
| **NO OF SAMPLES** | | | | | | **7** | **7** | **2** | **2** | **2** | **2** | **2** | **2** |

| TEST-NAME: | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB | CLIDUR | ASUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ARSENIC UNF.TOT. MG/L AS AS |
| 80 01 07 0922 | | .3 | 1 | 0.135 | 0.176 | 1.144 | 1.320 | 2.0 | 124.000 | 190.0 | 1.60 | 4.600 | 0.016 |
| 80 02 04 0922 | | .3 | 1 | 0.130 | 0.156 | 0.520 | 0.676 | 1.0 | 114.000 | 175.0 | 2.10 | 5.800 | 0.016 |
| 80 03 03 0900 | | .3 | 1 | | | | | | | | | | 0.010 |
| 80 03 20 1300 | | .3 | 1 | | | | | | | | | | 0.010 |
| 80 04 22 1400 | | .3 | 1 | | | | | | | | | | 0.008 |
| 80 05 05 0945 | | .3 | 1 | | | | | | | | | | 0.011 |
| 80 05 20 1310 | | .3 | 1 | | | | | | | | | | 0.010 |
| 80 06 03 0850 | | .3 | 1 | | | | | | | | | | 0.009 |
| 80 06 06 1225 | | .3 | 1 | | | | | | | | | | 0.008 |
| 80 07 01 0920 | | .3 | 1 | | | | | | | | | | 0.010 |
| 80 07 31 1245 | | .3 | 1 | | | | | | | | | | 0.012 |
| 80 08 05 0940 | | .3 | 1 | | | | | | | | | | 0.014 |
| 80 08 26 1210 | | .3 | 1 | | | | | | | | | | 0.014 |
| 80 09 16 1800 | | .3 | 1 | | | | | | | | | | 0.033 |
| 80 10 01 0912 | | .3 | 1 | | | | | | | | | | 0.021 |
| 80 10 20 1205 | | .3 | 1 | | | | | | | | | | 0.012 |
| 80 11 03 0920 | | .3 | 1 | | | | | | | | | | 0.007 |
| 80 11 28 1210 | | .3 | 1 | | | | | | | | | | 0.012 |
| 80 12 01 0919 | | .3 | 1 | | | | | | | | | | 0.009 |
| **MAXIMUM** | | | | **0.135** | **0.176** | **1.144** | **1.320** | **2.0** | **124.000** | **190.0** | **2.10** | **5.800** | **0.033** |
| **ARITH MEAN** | | | | **0.132** | **0.166** | **0.832** | **0.998** | **1.5** | **119.000** | **182.5** | **1.85** | **5.200** | **0.013** |
| **GEOM MEAN** | | | | **0.132** | **0.166** | **0.771** | **0.945** | **1.4** | **118.896** | **182.3** | **1.83** | **5.165** | **0.012** |
| **MINIMUM** | | | | **0.130** | **0.156** | **0.520** | **0.676** | **1.0** | **114.000** | **175.0** | **1.60** | **4.600** | **0.007** |
| **STD DEV** | | | | **0.004** | **0.014** | **0.441** | **0.455** | **0.7** | **7.071** | **10.6** | **0.35** | **0.849** | **0.006** |
| **NO OF SAMPLES** | | | | **2** | **2** | **2** | **2** | **2** | **2** | **2** | **2** | **2** | **19** |

| | | |
|---|---|---|
| B O W / SITE: **MOIRA RIVER**<br>SAMPLE POINT: **STOCO BRIDGE HUNGERFORD TOWNSHIP**<br>STATION TYPE: **RIVER** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **LAKE ONTARIO**<br>TERM STREAM: **MOIRA RIVER** | STATION ID: **17-0026-004-02**<br>STORET CODE: **02**<br>**004**<br>**1080** |
| LAT: LONG: | U T M: **18 0318925.0 4925175.0 4** | REGION: **04** DISTANCE: **47.786** |

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 01 07 0942 | | .3 | 1 | 17001 | 6 | 0.0 | 15.0 | 1.0 | 0.145 | 0.001 | 0.034 | 1.580 | 0.005 |
| 80 02 04 0934 | | .3 | 1 | 17014 | 4 | | | 1.7 | 0.028 | 0.008 | 0.020 | 0.390 | 0.006 |
| 80 03 03 0920 | | .3 | 1 | 17027 | 4 | 0.0 | 10.0 | | | | | | |
| 80 04 22 1355 | | .3 | 1 | 15455 | 6 | | | | | | | | |
| 80 05 05 0950 | | .3 | 1 | 17053 | 6 | 13.0 | 9.0 | | | | | | |
| 80 05 20 1305 | | .3 | 1 | 15474 | 6 | | | | | | | | |
| 80 06 03 0900 | | .3 | 1 | 17066 | 6 | 16.0 | 7.0 | | | | | | |
| 80 06 06 1220 | | .3 | 1 | 15487 | 6 | | | | | | | | |
| 80 07 01 0925 | | .3 | 1 | 17079 | 6 | 20.5 | 8.0 | | | | | | |
| 80 07 31 1240 | | .3 | 1 | 15512 | 6 | | | | | | | | |
| 80 08 05 0945 | | .3 | 1 | 17092 | 5 | 14.5 | 7.0 | | | | | | |
| 80 08 26 1205 | | .3 | 1 | 15525 | 6 | | | | | | | | |
| 80 09 16 1255 | | .3 | 1 | 15550 | 6 | | | | | | | | |
| 80 10 01 0917 | | .3 | 1 | 17118 | 6 | | | | | | | | |
| 80 10 20 1200 | | .3 | 1 | 15563 | 6 | | | | | | | | |
| 80 11 03 0925 | | .3 | 1 | 17131 | 6 | | | | | | | | |
| 80 11 28 1205 | | .3 | 1 | 15587 | 6 | | | | | | | | |
| 80 12 01 0925 | | .3 | 1 | 17144 | 6 | 1.0 | 13.0 | | | | | | |
| **MAXIMUM** | | | | | | **20.5** | **15.0** | **1.7** | **0.145** | **0.008** | **0.034** | **1.580** | **0.006** |
| **ARITH MEAN** | | | | | | **9.3** | **9.9** | **1.3** | **0.086** | **0.004** | **0.027** | **0.985** | **0.005** |
| **GEOM MEAN** | | | | | | **4.8** | **9.5** | **1.3** | **0.064** | **0.003** | **0.026** | **0.785** | **0.005** |
| **MINIMUM** | | | | | | **0.0** | **7.0** | **1.0** | **0.028** | **0.001** | **0.020** | **0.390** | **0.005** |
| **STD DEV** | | | | | | **8.7** | **3.1** | **0.5** | **0.083** | **0.005** | **0.010** | **0.841** | **0.001** |
| **NO OF SAMPLES** | | | | | | **7** | **7** | **2** | **2** | **2** | **2** | **2** | **2** |

(CONTD)

| TEST-NAME: | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB | CLIDUR | ASUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ARSENIC UNF.TOT. MG/L AS AS |
| 80 01 07 0942 | | .3 | 1 | 0.140 | 0.179 | 1.546 | 1.725 | 2.0 | 120.000 | 185.0 | 1.70 | 4.450 | 0.015 |
| 80 02 04 0934 | | .3 | 1 | 0.130 | 0.156 | 0.370 | 0.526 | 1.0 | 114.000 | 175.0 | 1.30 | 4.800 | 0.014 |
| 80 03 03 0920 | | .3 | 1 | | | | | | | | | | 0.010 |
| 80 04 22 1355 | | .3 | 1 | | | | | | | | | | 0.008 |
| 80 05 05 0950 | | .3 | 1 | | | | | | | | | | 0.004 |
| 80 05 20 1305 | | .3 | 1 | | | | | | | | | | 0.010 |
| 80 06 03 0900 | | .3 | 1 | | | | | | | | | | 0.009 |
| 80 06 06 1220 | | .3 | 1 | | | | | | | | | | 0.008 |
| 80 07 01 0925 | | .3 | 1 | | | | | | | | | | 0.006 |
| 80 07 31 1240 | | .3 | 1 | | | | | | | | | | 0.010 |
| 80 08 05 0945 | | .3 | 1 | | | | | | | | | | 0.012 |
| 80 08 26 1205 | | .3 | 1 | | | | | | | | | | 0.013 |
| 80 09 16 1255 | | .3 | 1 | | | | | | | | | | 0.035 |
| 80 10 01 0917 | | .3 | 1 | | | | | | | | | | 0.016 |
| 80 10 20 1200 | | .3 | 1 | | | | | | | | | | 0.013 |
| 80 11 03 0925 | | .3 | 1 | | | | | | | | | | 0.008 |
| 80 11 28 1205 | | .3 | 1 | | | | | | | | | | 0.009 |
| 80 12 01 0925 | | .3 | 1 | | | | | | | | | | 0.008 |
| MAXIMUM | | | | 0.140 | 0.179 | 1.546 | 1.725 | 2.0 | 120.000 | 185.0 | 1.70 | 4.800 | 0.035 |
| ARITH MEAN | | | | 0.135 | 0.167 | 0.958 | 1.126 | 1.5 | 117.000 | 180.0 | 1.50 | 4.625 | 0.012 |
| GEOM MEAN | | | | 0.135 | 0.167 | 0.756 | 0.953 | 1.4 | 116.961 | 179.9 | 1.49 | 4.622 | 0.010 |
| MINIMUM | | | | 0.130 | 0.156 | 0.370 | 0.526 | 1.0 | 114.000 | 175.0 | 1.30 | 4.450 | 0.004 |
| STD DEV | | | | 0.007 | 0.016 | 0.832 | 0.848 | 0.7 | 4.243 | 7.1 | 0.28 | 0.247 | 0.007 |
| NO OF SAMPLES | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 18 |

B.O.W./ SITE: **MOIRA RIVER**
SAMPLE POINT: **JAMESON STREET TWEED**
STATION TYPE: **RIVER FLOW GAUGE FED 02HL101**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **MOIRA RIVER**

STATION ID: **17-0026-006-02**
STORET CODE: **02**
**004**
**1980**

LAT: LONG: U T M: **18 0316010.0 4927600.0 4** REGION: **04** DISTANCE: **58.210**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 01 07 1020 | | .3 | 1 | 17004 | 6 | 1.0 | 13.0 | 0.8 | 0.020 | 0.002 | 0.040 | 0.600 | 0.005 |
| 80 02 04 1007 | | .3 | 1 | 17017 | 4 | | | 1.7 | 0.014 | .0.008 | 0.040 | 0.520 | 0.006 |
| 80 02 26 1245 | | .3 | 1 | 15306 | 6 | | | | | | | | |
| 80 03 03 0955 | | .3 | 1 | 17030 | 6 | 0.0 | 15.0 | | | | | | |
| 80 03 20 1230 | | .3 | 1 | 15319 | 6 | | | | | | | | |
| 80 04 08 1200 | | .3 | 1 | 17043 | 8 | | | | | | | | |
| 80 04 22 1330 | | .3 | 1 | 15452 | 6 | | | | | | | | |
| 80 05 05 1030 | | .3 | 1 | 17056 | 6 | 14.5 | 10.0 | | | | | | |
| 80 05 20 1230 | | .3 | 1 | 15471 | 6 | | | | | | | | |
| 80 06 03 0920 | | .3 | 1 | 17069 | 6 | 16.7 | 7 0 | | | | | | |
| 80 06 06 1200 | | .3 | 1 | 15484 | 6 | | | | | | | | |
| 80 07 01 0955 | | .3 | 1 | 17082 | 6 | 20.5 | 8.0 | | | | | | |
| 80 07 31 1150 | | .3 | 1 | 15509 | 6 | | | | | | | | |
| 80 08 05 1013 | | .3 | 1 | 17095 | 6 | 14.5 | 7.0 | | | | | | |
| 80 08 26 1140 | | .3 | 1 | 15522 | 6 | | | | | | | | |
| 80 09 16 1230 | | .3 | 1 | 15547 | 6 | | | | | | | | |
| 80 10 01 0945 | | .3 | 1 | 17121 | 6 | | | | | | | | |
| 80 10 20 1135 | | .3 | 1 | 15560 | 6 | | | | | | | | |
| 80 11 03 0945 | | .3 | 1 | 17134 | 6 | | | | | | | | |
| 80 11 28 1140 | | .3 | 1 | 15584 | 6 | | | | | | | | |
| 80 12 01 0946 | | .3 | 1 | 17147 | 6 | 1.0 | 14.0 | | | | | | |
| MAXIMUM | | | | | | 20.5 | 15.0 | 1.7 | 0.020 | 0.008 | 0.040 | 0.600 | 0.006 |
| ARITH MEAN | | | | | | 9.7 | 10.6 | 1.2 | 0.017 | 0.005 | 0.040 | 0.560 | 0.006 |
| GEOM MEAN | | | | | | 4.9 | 10.1 | 1.2 | 0.017 | 0.004 | 0.040 | 0.559 | 0.005 |
| MINIMUM | | | | | | 0.0 | 7.0 | 0.8 | 0.014 | 0.002 | 0.040 | 0.520 | 0.005 |
| STD DEV | | | | | | 8.7 | 3.4 | 0.6 | 0.004 | 0.004 | 0.000 | 0.057 | 0.001 |
| NO OF SAMPLES | | | | | | 7 | 7 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB | CLIDUR | ASUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ARSENIC UNF.TOT. MG/L AS AS |
| 80 01 07 1020 | | .3 | 1 | 0.120 | 0.165 | 0.560 | 0.725 | 2.0 | 117.000 | 180.0 | 1.50 | 4.300 | 0.018 |
| 80 02 04 1007 | | .3 | 1 | 0.130 | 0.176 | 0.480 | 0.656 | 1.0 | 107.000 | 165.0 | 1.60 | 4.200 | 0.014 |
| 80 02 26 1245 | | .3 | 1 | | | | | | | | | | 0.010 |
| 80 03 03 0955 | | .3 | 1 | | | | | | | | | | 0.012 |
| 80 03 20 1230 | | .3 | 1 | | | | | | | | | | 0.006 |
| 80 04 08 1200 | | .3 | 1 | | | | | | | | | | 0.013 |
| 80 04 22 1330 | | .3 | 1 | | | | | | | | | | 0.010 |
| 80 05 05 1030 | | .3 | 1 | | | | | | | | | | 0.012 |
| 80 05 20 1230 | | .3 | 1 | | | | | | | | | | 0.012 |
| 80 06 03 0920 | | .3 | 1 | | | | | | | | | | 0.012 |
| 80 06 06 1200 | | .3 | 1 | | | | | | | | | | 0.010 |
| 80 07 01 0955 | | .3 | 1 | | | | | | | | | | 0.001< |
| 80 07 31 1150 | | .3 | 1 | | | | | | | | | | 0.009 |
| 80 08 05 1013 | | .3 | 1 | | | | | | | | | | 0.013 |
| 80 08 26 1140 | | .3 | 1 | | | | | | | | | | 0.004 |
| 80 09 16 1230 | | .3 | 1 | | | | | | | | | | 0.007 |
| 80 10 01 0945 | | .3 | 1 | | | | | | | | | | 0.004 |
| 80 10 20 1135 | | .3 | 1 | | | | | | | | | | 0.006 |
| 80 11 03 0945 | | .3 | 1 | | | | | | | | | | 0.013 |
| 80 11 28 1140 | | .3 | 1 | | | | | | | | | | 0.010 |
| 80 12 01 0946 | | .3 | 1 | | | | | | | | | | 0.011 |
| MAXIMUM | | | | 0.130 | 0.176 | 0.560 | 0.725 | 2.0 | 117.000 | 180.0 | 1.60 | 4.300 | 0.018 |
| ARITH MEAN | | | | 0.125 | 0.170 | 0.520 | 0.690 | 1.5 | 112.000 | 172.5 | 1.55 | 4.250 | 0.010L |
| GEOM MEAN | | | | 0.125 | 0.170 | 0.518 | 0.690 | 1.4 | 111.888 | 172.3 | 1.55 | 4.250 | 0.008L |
| MINIMUM | | | | 0.120 | 0.165 | 0.480 | 0.656 | 1.0 | 107.000 | 165.0 | 1.50 | 4.200 | 0.001< |
| STD DEV | | | | 0.007 | 0.008 | 0.057 | 0.049 | 0.7 | 7.071 | 10.6 | 0.07 | 0.071 | 0.004L |
| NO OF SAMPLES | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 21 |

B.O.W./ SITE: **CLARE RIVER**
SAMPLE POINT: **1ST.BRIDGE UPSTR.OF STOCO LAKE TWEED**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **MOIRA RIVER**

STATION ID: **17-0026-007-02**
STORET CODE: **02**
**004**
**1080**

LAT: LONG: U T M: **18 0319350.0 4927650.0 4** REGION: **04** DISTANCE: **52.785**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 07 0955 | | | .3 | 1 | 17002 | 4 | 0.0 | 10.0 | 2.4 | 0.038 | 0.001 | 0.010 | 0.630 | 0.003 |
| 80 02 04 0944 | | | .3 | 1 | 17015 | 4 | | | 1.2 | 0.012 | 0.002 | 0.040 | 0.520 | 0.004 |
| 80 03 03 0925 | | | .3 | 1 | 17028 | 4 | | | | | | | | |
| 80 04 08 1230 | | | .3 | 1 | 17041 | 8 | | | | 0.020 | 0.004 | | | |
| 80 04 22 1340 | | | .3 | 1 | 15454 | 6 | | | | | | | | |
| 80 05 05 0956 | | | .3 | 1 | 17054 | 6 | 15.0 | 8.0 | | 0.032 | 0.004 | | | |
| 80 05 20 1250 | | | .3 | 1 | 15473 | 6 | | | | | | | | |
| 80 06 03 0905 | | | .3 | 1 | 17067 | 6 | 16.7 | 7.0 | | 0.022 | 0.002< | | | |
| 80 06 06 1215 | | | .3 | 1 | 15486 | 6 | | | | | | | | |
| 80 07 01 0934 | | | .3 | 1 | 17080 | 6 | 20.5 | 6.0 | | 0.020 | 0.006 | | | |
| 80 07 31 1220 | | | .3 | 1 | 15511 | 6 | | | | | | | | |
| 80 08 05 0950 | | | .3 | 1 | 17093 | 6 | 14.5 | 6.0 | | 0.020 | 0.006 | | | |
| 80 08 26 1155 | | | .3 | 1 | 15524 | 6 | | | | | | | | |
| 80 09 01 0923 | | | .3 | 1 | 17106 | | 23.0 | 5.0 | | 0.024 | 0.006 | | | |
| 80 09 16 1245 | | | .3 | 1 | 15549 | 6 | | | | | | | | |
| 80 10 01 0930 | | | .3 | 1 | 17119 | 6 | | | | 0.028 | 0.004 | | | |
| 80 10 20 1150 | | | .3 | 1 | 15562 | 6 | | | | | | | | |
| 80 11 03 0930 | | | .3 | 1 | 17132 | 6 | | | | 0.018 | 0.008 | | | |
| 80 11 28 1155 | | | .3 | 1 | 15586 | 6 | | | | | | | | |
| 80 12 01 0932 | | | .3 | 1 | 17145 | 6 | 1.0 | 11.0 | | 0.012 | 0.007 | | | |
| **MAXIMUM** | | | | | | | **23.0** | **11.0** | **2.4** | **0.038** | **0.008** | **0.040** | **0.630** | **0.004** |
| **ARITH MEAN** | | | | | | | **13.0** | **7.6** | **1.8** | **0.022** | **0.006L** | **0.025** | **0.575** | **0.003** |
| **GEOM MEAN** | | | | | | | **7.8** | **7.3** | **1.7** | **0.021** | **0.004L** | **0.020** | **0.572** | **0.003** |
| **MINIMUM** | | | | | | | **0.0** | **5.0** | **1.2** | **0.012** | **0.001<** | **0.010** | **0.520** | **0.003** |
| **STD DEV** | | | | | | | **9.0** | **2.2** | **0.8** | **0.008** | **0.002L** | **0.021** | **0.078** | **0.001** |
| **NO OF SAMPLES** | | | | | | | **7** | **7** | **2** | **11** | **11** | **2** | **2 -** | **2** |

| TEST-NAME: | | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB | CLIDUR | ALKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 |
| 80 01 07 0955 | | | .3 | 1 | 0.027 | 0.040 | 0.620 | 0.660 | 8.0 | 156.000 | 240.0 | 1.90 | 4.200 | |
| 80 02 04 0944 | | | .3 | 1 | 0.080 | 0.124 | 0.480 | 0.604 | 2.0 | 189.000 | 290.0 | 1.80 | 55.000 | |
| 80 04 08 1230 | | | .3 | 1 | | | | | 3.00 | 117.000 | 180.0 | | | 82.0 |
| 80 05 05 0956 | | | .3 | 1 | | | | | 3.00 | 136.000 | 210.0 | | | 97.0 |
| 80 06 03 0905 | | | .3 | 1 | | | | | 2.00 | 182.000 | 280.0 | | | 136.0 |
| 80 07 01 0934 | | | .3 | 1 | | | | | 95 | 179 | 275 | | | 130 |
| 80 08 05 0950 | | | .3 | 1 | | | | | 1 | 208 | 320 | | | 160 |
| 80 09 01 0923 | | | .3 | 1 | | | | | 1.00 | 201.000 | 310.0 | | | 156.0 |
| 80 10 01 0930 | | | .3 | 1 | | | | | 2.00 | 206.000 | 310.0 | | | 150.0 |
| 80 11 03 0930 | | | .3 | 1 | | | | | 1.00 | 172.000 | 265.0 | | | 117.0 |
| 80 12 01 0932 | | | .3 | 1 | | | | | 1.00 | 154.000 | 235.0 | | | 99.0 |
| **MAXIMUM** | | | | | **0.080** | **0.124** | **0.620** | **0.660** | **95** | **208** | **320** | **1.90** | **55.000** | **160** |
| **ARITH MEAN** | | | | | **0.053** | **0.082** | **0.550** | **0.632** | **10** | **172** | **265** | **1.85** | **29.600** | **125** |
| **GEOM MEAN** | | | | | **0.046** | **0.070** | **0.546** | **0.631** | **2** | **170** | **261** | **1.85** | **15.199** | **122** |
| **MINIMUM** | | | | | **0.027** | **0.040** | **0.480** | **0.604** | **1** | **117.000** | **180.0** | **1.80** | **4.200** | **82.0** |
| **STD DEV** | | | | | **0.037** | **0.059** | **0.099** | **0.040** | **27** | **29** | **44** | **0.07** | **35.921** | **28** |
| **NO OF SAMPLES** | | | | | **2** | **2** | **2** | **2** | **11** | **11** | **11** | **2** | **2** | **9** |

| TEST-NAME: | | | | | PH | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT | P1PCBT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | PCB TOTAL UG/L |
| 80 01 07 0955 | | | .3 | 1 | | 0.001 | | | | | | | |
| 80 02 04 0944 | | | .3 | 1 | | 0.001< | | | | | | | |
| 80 04 08 1230 | | | .3 | 1 | 7.60 | 0.001< | 0.090 | 0.040 | 0.010< | 0.030< | 0.005 < | 0.010< | |
| 80 04 22 1340 | | | .3 | 1 | | 0.002 | | | | | | | |
| 80 05 05 0956 | | | .3 | 1 | 7.50 | 0.001 | 0.020< | 0.020< | 0.010 | 0.030< | 0.005 < | 0.010< | |
| 80 05 20 1250 | | | .3 | 1 | | 0.001< | | | | | | | |
| 80 06 03 0905 | | | .3 | 1 | 7.80 | 0.001 | 0.140 | 0.020< | 0.010 | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 06 06 1215 | | | .3 | 1 | | 0.002 | | | | | | | |
| 80 07 01 0934 | | | .3 | 1 | 7.7 | 0.001< | 0.06 | 0.02 < | 0.01 | 0.03 < | 0.005 < | 0.01 < | 0.020R |
| 80 07 31 1220 | | | .3 | 1 | | 0.004 | | | | | | | |
| 80 08 05 0950 | | | .3 | 1 | 7.9 | 0.003 | 0.020 | 0.002< | 0.015 | 0.002 | 0.0001< | 0.012 | 0.020R |
| 80 08 26 1155 | | | .3 | 1 | | 0.004 | | | | | | | |
| 80 09 01 0923 | | | .3 | 1 | 8.10 | 0.004 | 0.070 | 0.006 | 0.004 | 0.003< | 0.0004 | 0.009 | 0.020 |
| 80 09 16 1245 | | | .3 | 1 | | 0.002 | | | | | | | |
| 80 10 01 0930 | | | .3 | 1 | 8.30 | 0.003 | | 0.002< | 0.004 | 0.003< | 0.0002< | 0.007 | 0.020R |
| 80 10 20 1150 | | | .3 | 1 | | 0.004 | | | | | | | |
| 80 11 03 0930 | | | .3 | 1 | 7.70 | 0.001 | 0.270 | 0.002< | 0.007 | 0.003< | 0.0002< | 0.014 | 0.020R |
| 80 11 28 1155 | | | .3 | 1 | | 0.001< | | | | | | | |
| 80 12 01 0932 | | | .3 | 1 | 7.60 | 0.001< | 0.040< | 0.001< | 0.012 | 0.068 | 0.0002< | 0.008 | 0.020R |
| **MAXIMUM** | | | | | **8.30** | **0.004** | **0.270** | **0.040** | **0.015** | **0.068** | **0.005** | **0.014** | |
| **ARITH MEAN** | | | | | **7.8** | **0.002L** | **0.08 L** | **0.01 L** | **0.00 L** | **0.02 L** | **0.002 L** | **0.01 L** | |
| **GEOM MEAN** | | | | | **7.8** | **0.002L** | **0.06 L** | **0.00 L** | **0.00 L** | **0.01 L** | **0.000 L** | **0.01 L** | |
| **MINIMUM** | | | | | **7.50** | **0.001<** | **0.020<** | **0.001<** | **0.004<** | **0.002<** | **0.0001<** | **0.007<** | |
| **STD DEV** | | | | | **0.2** | **0.001L** | **0.08 L** | **0.01 L** | **0.00 L** | **0.02 L** | **0.002 L** | **0.00 L** | |
| **NO OF SAMPLES** | | | | | **9** | **19** | **8** | **9** | **9** | **9** | **9** | **9** | |

B.O.W./ SITE: **SULPHIDE CREEK**
SAMPLE POINT: **UPSTREAM FROM STOCO LAKE HUNGERFORD TWP**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **MOIRA RIVER**

STATION ID: **17-0026-008-02**
STORET CODE: **02**
**084**
**1080**

LAT: LONG: U T M: **18 0318525.0 4929475.0 4** REGION: **04** DISTANCE: **52.785**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE: SAMPLE NUMBER | FWSTRC: STREAM COND. | FWTEMP: WATER TEMP DEG.C | DO: DISOLVED OXYGEN MG/L AS O | BOD5: BOD 5 DAY TOT.DEM. MG/L AS O | PPUT: PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR: PO4 FIL.REAC MG/L AS P | NNHTFR: NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR: K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR: NO2-N FIL.REAC MG/L AS N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 07 1010 | | | .3 | 1 | 17003 | 4 | 0.0 | 10.0 | 0.8 | 0.017 | 0.002 | 0.022 | 0.300 | 0.003 |
| 80 02 04 0954 | | | .3 | 1 | 17016 | 4 | | | 1.6 | 0.024 | 0.002 | 0.100 | 0.730 | 0.004 |
| 80 02 26 1300 | | | .3 | 1 | 15307 | 6 | | | | | | | | |
| 80 03 20 1230 | | | .3 | 1 | 15320 | 6 | | | | | | | | |
| 80 04 08 1300 | | | .3 | 1 | 17042 | 8 | | | | | | | | |
| 80 04 22 1335 | | | .3 | 1 | 15453 | 6 | | | | | | | | |
| 80 05 05 1018 | | | .3 | 1 | 17055 | 6 | 15.0 | 9.0 | | | | | | |
| 80 05 20 1240 | | | .3 | 1 | 15472 | 6 | | | | | | | | |
| 80 06 03 0915 | | | .3 | 1 | 17068 | 5 | 15.0 | 6.0 | | | | | | |
| 80 06 06 1210 | | | .3 | 1 | 15485 | 6 | | | | | | | | |
| 80 07 01 0946 | | | .3 | 1 | 17081 | 5 | 18.0 | 6.0 | | | | | | |
| 80 07 31 1155 | | | .3 | 1 | 15510 | 6 | | | | | | | | |
| 80 08 05 1005 | | | .3 | 1 | 17094 | 6 | 11.5 | 3.0 | | | | | | |
| 80 08 26 1150 | | | .3 | 1 | 15523 | 6 | | | | | | | | |
| 80 09 16 1240 | | | .3 | 1 | 15548 | 6 | | | | | | | | |
| 80 10 01 0936 | | | .3 | 1 | 17120 | 6 | | | | | | | | |
| 80 10 20 1145 | | | .3 | 1 | 15561 | 6 | | | | | | | | |
| 80 11 03 0940 | | | .3 | 1 | 17133 | 6 | | | | | | | | |
| 80 11 28 1145 | | | .3 | 1 | 15585 | 6 | | | | | | | | |
| 80 12 01 0941 | | | .3 | 1 | 17146 | 6 | 1.0 | 13.0 | | | | | | |
| MAXIMUM | | | | | | | 18.0 | 13.0 | 1.6 | 0.024 | 0.002 | 0.100 | 0.730 | 0.004 |
| ARITH MEAN | | | | | | | 10.1 | 7.8 | 1.2 | 0.020 | 0.002 | 0.061 | 0.515 | 0.003 |
| GEOM MEAN | | | | | | | 6.0 | 7.1 | 1.1 | 0.020 | 0.002 | 0.047 | 0.468 | 0.003 |
| MINIMUM | | | | | | | 0.0 | 3.0 | 0.8 | 0.017 | 0.002 | 0.022 | 0.300 | 0.003 |
| STD DEV | | | | | | | 7.7 | 3.6 | 0.6 | 0.005 | 0.000 | 0.055 | 0.304 | 0.001 |
| NO OF SAMPLES | | | | | | | 6 | 6 | 2 | 2 | 2 | 2 | 2 | 2 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NNO3FR: NO3-N FIL.REAC MG/L AS N | NNTIFR: ORG N TOTAL FIL.REAC MG/L | NNKUR: KJELDAHL ORGANIC UNF.REAC MG/L | NNKI: TOTAL N MG/L AS N | RSP: RESIDUE PARTIC. MG/L | RSF: RESIDUE FILTERED MG/L | COND25: CONDUCT. 25C UMHO/CM AT 25 C | TURB: TURB'ITY FTU | CLIDUR: CHLORIDE UNF.REAC MG/L AS CL | ASUT: ARSENIC UNF.TOT. MG/L AS AS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 07 1010 | | | .3 | 1 | 0.027 | 0.052 | 0.278 | 0.330 | 5.0 | 85.000 | 131.0 | 1.70 | 4.550 | 0.001< |
| 80 02 04 0954 | | | .3 | 1 | 0.060 | 0.164 | 0.630 | 0.794 | 3.0 | 104.000 | 160.0 | 2.10 | 80.000 | 0.001< |
| 80 02 26 1300 | | | .3 | 1 | | | | | | | | | | 0.002 |
| 80 03 20 1230 | | | .3 | 1 | | | | | | | | | | 0.001 |
| 80 04 08 1300 | | | .3 | 1 | | | | | | | | | | 0.002 |
| 80 04 22 1335 | | | .3 | 1 | | | | | | | | | | 0.001 |
| 80 05 05 1018 | | | .3 | 1 | | | | | | | | | | 0.002 |
| 80 05 20 1240 | | | .3 | 1 | | | | | | | | | | 0.001< |
| 80 06 03 0915 | | | .3 | 1 | | | | | | | | | | 0.001< |
| 80 06 06 1210 | | | .3 | 1 | | | | | | | | | | 0.001< |
| 80 07 01 0946 | | | .3 | 1 | | | | | | | | | | 0.001< |
| 80 07 31 1155 | | | .3 | 1 | | | | | | | | | | 0.001< |
| 80 08 05 1005 | | | .3 | 1 | | | | | | | | | | 0.001 |
| 80 08 26 1150 | | | .3 | 1 | | | | | | | | | | 0.001< |
| 80 09 16 1240 | | | .3 | 1 | | | | | | | | | | 0.001< |
| 80 10 01 0936 | | | .3 | 1 | | | | | | | | | | 0.001 |
| 80 10 20 1145 | | | .3 | 1 | | | | | | | | | | 0.001< |
| 80 11 03 0940 | | | .3 | 1 | | | | | | | | | | 0.001< |
| 80 11 28 1145 | | | .3 | 1 | | | | | | | | | | 0.001< |
| 80 12 01 0941 | | | .3 | 1 | | | | | | | | | | 0.001 |
| MAXIMUM | | | | | 0.060 | 0.164 | 0.630 | 0.794 | 5.0 | 104.000 | 160.0 | 2.10 | 80.000 | 0.002 |
| ARITH MEAN | | | | | 0.043 | 0.108 | 0.454 | 0.562 | 4.0 | 94.500 | 145.5 | 1.90 | 42.275 | 0.001L |
| GEOM MEAN | | | | | 0.040 | 0.092 | 0.418 | 0.512 | 3.9 | 94.021 | 144.8 | 1.89 | 19.079 | 0.001L |
| MINIMUM | | | | | 0.027 | 0.052 | 0.278 | 0.330 | 3.0 | 85.000 | 131.0 | 1.70 | 4.550 | 0.001< |
| STD DEV | | | | | 0.023 | 0.079 | 0.249 | 0.328 | 1.4 | 13.435 | 20.5 | 0.28 | 53.351 | 0.000L |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 20 |

B.O.W./ SITE: **SKOOTAMOTTA RIVER**
SAMPLE POINT: **HIGHWAY 7 NEAR ACTINOLITE**
STATION TYPE: **RIVER FLOW GAUGE FED 02HL004**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **MOIRA RIVER**

STATION ID: **17-0026-009-02**
STORET CODE: **02**
**084**
**1080**

LAT: LONG: U T M: **18 0315050.0 4935300.0 4** REGION: **04** DISTANCE: **60.671**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE: SAMPLE NUMBER | FWSTRC: STREAM COND. | FWFLOW: STREAM FLOW M3 /S | FWTEMP: WATER TEMP DEG.C | DO: DISOLVED OXYGEN MG/L AS O | BOD5: BOD 5 DAY TOT.DEM. MG/L AS O | PPUT: PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR: PO4 FIL.REAC MG/L AS P | NNHTFR: NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR: K'DAHL N TOTAL FIL.TOT. MG/L AS N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 07 1100 | | | .3 | 1 | 17005 | 6 | 8.900 | 0.0 | 12.0 | 0.8 | 0.063 | 0.001 | 0.040 | 1.380 |
| 80 02 04 1046 | | | .3 | 1 | 17018 | 6 | 4.300 | | | 1.3 | 0.012 | 0.004 | 0.050 | 0.390 |
| 80 02 26 1225 | | | .3 | 1 | 15305 | 6 | 2.900 | | | | | | | |
| 80 03 03 1041 | | | .3 | 1 | 17031 | 6 | 2.930 | 0.0 | 13.0 | | | | | |
| 80 03 20 1205 | | | .3 | 1 | 15318 | 6 | 9.470 | | | | | | | |
| 80 04 08 1315 | | | .3 | 1 | 17044 | 8 | 19.300 | | | | 0.018 | 0.004 | | |
| 80 04 22 1315 | | | .3 | 1 | 15451 | 6 | 26.000 | | | | | | | |
| 80 05 05 1100 | | | .3 | 1 | 17057 | 6 | 19.300 | 14.5 | 10.0 | | 0.020 | 0.004 | | |
| 80 05 20 1220 | | | .3 | 1 | 15470 | 6 | 12.100 | | | | | | | |
| 80 06 03 1000 | | | .3 | 1 | 17070 | 6 | 5.240 | 15.6 | 9.0 | | 0.030 | 0.004 | | |
| 80 06 06 1145 | | | .3 | 1 | 15483 | 6 | 4.010 | | | | | | | |
| 80 07 01 1025 | | | .3 | 1 | 17083 | 6 | 2.970 | 20.0 | 8.0 | | 0.020 | 0.006 | | |
| 80 07 31 1130 | | | .3 | 1 | 15508 | 6 | 1.490 | | | | | | | |
| 80 08 05 1052 | | | .3 | 1 | 17096 | 6 | 0.924 | 14.5 | 8.0 | | 0.014 | 0.006 | | |
| 80 08 26 1130 | | | .3 | 1 | 15521 | 6 | 0.717 | | | | | | | |
| 80 09 01 0950 | | | .3 | 1 | 17109 | | 1.350 | 22.0 | 8.0 | | 0.016 | 0.002< | | |
| 80 09 16 1215 | | | .3 | 1 | 15546 | 6 | 0.801 | | | | | | | |
| 80 10 01 1000 | | | .3 | 1 | 17122 | 6 | 0.596 | | | | 0.108 | 0.064 | | |
| 80 10 20 1120 | | | .3 | 1 | 15559 | 6 | 2.800 | | | | | | | |
| 80 11 03 0957 | | | .3 | 1 | 17135 | 6 | 2.800 | | | | 0.022 | 0.006 | | |
| 80 11 28 1120 | | | .3 | 1 | 15583 | 6 | 7.090 | | | | | | | |
| 80 12 01 0953 | | | .3 | 1 | 17148 | 6 | 6.720 | 1.0 | | | 0.016 | 0.002 | | |

(CONTD)

B.O.W./ SITE: **SKOOTAMOTTA RIVER**
SAMPLE POINT: **HIGHWAY 7 NEAR ACTINOLITE**
STATION TYPE: **RIVER FLOW GAUGE FED 02HL004**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **MOIRA RIVER**

STATION ID: **17-0026-009-02**
STORET CODE: **02**
**004**
**1080**

LAT: LONG: U T M: **18 0315050.0 4935300.0 4** REGION: **04** DISTANCE: **00.871**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N |
| MAXIMUM | | | | | | 26.000 | 22.0 | 13.0 | 1.3 | 0.108 | 0.064 | 0.050 | 1.380 |
| ARITH MEAN | | | | | | 6.467 | 10.9 | 9.7 | 1.0 | 0.031 | 0.009L | 0.046 | 0.885 |
| GEOM MEAN | | | | | | 3.789 | 5.9 | 9.5 | 1.0 | 0.024 | 0.004L | 0.046 | 0.734 |
| MINIMUM | | | | | | 0.596 | 0.0 | 8.0 | 0.8 | 0.012 | 0.001< | 0.040 | 0.390 |
| STD DEV | | | | | | 6.955 | 9.2 | 2.1 | 0.4 | 0.029 | 0.018L | 0.007 | 0.700 |
| NO OF SAMPLES | | | | | | 22 | 8 | 7 | 2 | 11 | 11 | 2 | 2 |

| TEST-NAME: | | | | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 01 07 1100 | | 3 | 1 | 0.004 | 0.131 | 0.175 | 1.340 | 1.515 | 1.0 | 44.000 | 68.0 | 1.30 | 1.850 |
| 80 02 04 1046 | | 3 | 1 | 0.006 | 0.070 | 0.126 | 0.340 | 0.466 | 1.0 < | 49.000 | 75.0 | 1.30 | 2.000 |
| 80 04 08 1315 | | 3 | 1 | | | | | | 1.00 | 38.000 | 58.0 | | |
| 80 05 05 1100 | | 3 | 1 | | | | | | 1.00 | 34.000 | 52.0 | | |
| 80 06 03 1000 | | 3 | 1 | | | | | | 2.00 | 48.000 | 74.0 | | |
| 80 07 01 1025 | | .3 | 1 | | | | | | 40 | 51 | 78 | | |
| 80 08 05 1052 | | 3 | 1 | | | | | | 1 | 208 | 81 | | |
| 80 09 01 0950 | | .3 | 1 | | | | | | 1.00< | 46.000 | 71.0 | | |
| 80 10 01 1000 | | .3 | 1 | | | | | | 1.00 | 52.000 | 78.0 | | |
| 80 11 03 0957 | | .3 | 1 | | | | | | 2.00 | 56.000 | 86.0 | | |
| 80 12 01 0953 | | 3 | 1 | | | | | | 1.00 | 46.000 | 70.0 | | |
| MAXIMUM | | | | 0.006 | 0.131 | 0.175 | 1.340 | 1.515 | 40 | 208 | 86.0 | 1.30 | 2.000 |
| ARITH MEAN | | | | 0.005 | 0.100 | 0.150 | 0.840 | 0.990 | 4 L | 61 | 71 | 1.30 | 1.925 |
| GEOM MEAN | | | | 0.005 | 0.096 | 0.148 | 0.675 | 0.840 | 1 L | 62 | 71 | 1.30 | 1.924 |
| MINIMUM | | | | 0.004 | 0.070 | 0.126 | 0.340 | 0.466 | 1.0 < | 34.000 | 52.0 | 1.30 | 1.850 |
| STD DEV | | | | 0.001 | 0.043 | 0.035 | 0.707 | 0.742 | 11 L | 49 | 9 | 0.00 | 0.106 |
| NO OF SAMPLES | | | | 2 | 2 | 2 | 2 | 2 | 11 | 11 | 11 | 2 | 2 |

| TEST-NAME: | | | | ALKT | PH | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT | P1PCBT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ALK TOTAL MG/L AS CACO3 | PH | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | PCB TOTAL UG/L |
| 80 01 07 1100 | | 3 | 1 | | | 0.001< | | | | | | | |
| 80 02 04 1046 | | 3 | 1 | | | 0.001< | | | | | | | |
| 80 02 26 1225 | | 3 | 1 | | | 0.001< | | | | | | | |
| 80 03 03 1041 | | 3 | 1 | | | 0.001 | 0.050 | | | | | | 0.020R |
| 80 03 20 1205 | | 3 | 1 | | | 0.001 | | | | | | | |
| 80 04 08 1315 | | .3 | 1 | 14.0 | 7.10 | 0.001< | 0.060 | 0.020< | 0.010 < | 0.030< | 0.005 < | 0.010< | |
| 80 04 22 1315 | | 3 | 1 | | | 0.002 | | | | | | | |
| 80 05 05 1100 | | 3 | 1 | 16.0 | 7.00 | 0.001 | 0.120 | 0.020< | 0.080 | 0.030 | 0.005 < | 0.010 | |
| 80 05 20 1220 | | .3 | 1 | | | 0.001< | | | | | | | |
| 80 06 03 1000 | | .3 | 1 | 25.0 | 7.00 | 0.001< | 0.090 | 0.020< | 0.010 < | 0.030< | 0.005 < | 0.010< | 0.020R |
| 80 06 06 1145 | | 3 | 1 | | | 0.001< | | | | | | | |
| 80 07 01 1025 | | .3 | 1 | 285 | 7.1 | 0.001< | 0.09 | 0.02 < | 0.02 | 0.03 < | 0.005 < | 0.01 < | 0.020R |
| 80 07 31 1130 | | 3 | 1 | | | 0.001< | | | | | | | |
| 80 08 05 1052 | | 3 | 1 | 31 | 7.4 | 0.003 | 0.20 | 0.002< | 0.027 | 0.002 | 0.0001< | 0.006 | 0.020R |
| 80 08 26 1130 | | .3 | 1 | | | 0.001 | | | | | | | |
| 80 09 01 0950 | | .3 | 1 | 23.0 | 7.00 | 0.001< | 0.080 | 0.003 | 0.005 | 0.003< | 0.0003 | 0.004 | 0.020 |
| 80 09 16 1215 | | 3 | 1 | | | 0.050 | | | | | | | |
| 80 10 01 1000 | | .3 | 1 | 23.0 | 7.60 | 0.002 | | 0.006 | 0.005 | 0.003< | 0.0002< | 0.005 | 0.020R |
| 80 10 20 1120 | | 3 | 1 | | | 0.001 | | | | | | | |
| 80 11 03 0957 | | .3 | 1 | 26.0 | 6.80 | 0.001< | 0.040< | 0.002< | 0.009 | 0.003< | 0.0002< | 0.012 | 0.020R |
| 80 11 28 1120 | | 3 | 1 | | | 0.001< | | | | | | | |
| 80 12 01 0953 | | 3 | 1 | 21.0 | 6.80 | 0.001< | 0.040< | 0.001< | 0.0008 | 0.003< | 0.0002< | 0.016 | 0.020R |
| MAXIMUM | | | | 285 | 7.60 | 0.050 | 0.20 | 0.02 | 0.080 | 0.03 | 0.005 | 0.016 | |
| ARITH MEAN | | | | 51 | 7.0 | 0.003L | 0.08 L | 0.01 L | 0.01 L | 0.01 L | 0.002 L | 0.00 L | |
| GEOM MEAN | | | | 29 | 7.0 | 0.001L | 0.07 L | 0.00 L | 0.00 L | 0.00 L | 0.000 L | 0.00 L | |
| MINIMUM | | | | 14.0 | 6.80 | 0.001< | 0.040< | 0.001< | 0.0008< | 0.002< | 0.0001< | 0.004< | |
| STD DEV | | | | 87 | 0.2 | 0.010L | 0.05 L | 0.00 L | 0.02 L | 0.01 L | 0.002 L | 0.00 L | |
| NO OF SAMPLES | | | | 9 | 9 | 22 | 9 | 9 | 9 | 9 | 9 | 9 | |

B.O.W./ SITE: **BLACK RIVER**
SAMPLE POINT: **HIGHWAY 7 2 MILES EAST OF ACTINOLITE**
STATION TYPE: **RIVER FLOW GAUGE FED 02HL003**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **MOIRA RIVER**

STATION ID: **17-0026-010-02**
STORET CODE: **02**
**004**
**1080**

LAT: LONG: U T M: **18 0311750.0 4934275.0 4** REGION: **04** DISTANCE: **62.763**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N |
| 80 01 07 1105 | | .3 | 1 | 17006 | 6 | 5.290 | 1.0 | 11.0 | 0.6 | 0.045 | 0.002 | 0.032 | 1.050 |
| 80 02 04 1057 | | .3 | 1 | 17019 | 6 | 5.020 | | | 1.8 | 0.014 | 0.002 | 0.040 | 0.580 |
| 80 02 26 1215 | | .3 | 1 | 15304 | 6 | 2.180 | | | | | | | |
| 80 03 03 1100 | | .3 | 1 | 17032 | 4 | 1.130 | 0.0 | 13.0 | | | | | |
| 80 03 20 1200 | | .3 | 1 | 15317 | 6 | 4.200 | | | | | | | |
| 80 04 08 1330 | | .3 | 1 | 17045 | 8 | 9.510 | | | | | | | |
| 80 04 22 1305 | | .3 | 1 | 15450 | 6 | 13.900 | | | | | | | |
| 80 05 05 1108 | | .3 | 1 | 17058 | 6 | 10.700 | 14.5 | 10.0 | | | | | |
| 80 05 20 1210 | | .3 | 1 | 15469 | 6 | 6.920 | | | | | | | |
| 80 06 03 1005 | | .3 | 1 | 17071 | 6 | 2.660 | 16.0 | 8.0 | | | | | |
| 80 06 06 1135 | | .3 | 1 | 15482 | 6 | 1.980 | | | | | | | |
| 80 07 01 1037 | | .3 | 1 | 17084 | 6 | 1.440 | 20.0 | 8.0 | | | | | |
| 80 07 31 1120 | | .3 | 1 | 15507 | 6 | 0.963 | | | | | | | |
| 80 08 05 1103 | | .3 | 1 | 17097 | 6 | 0.700 | 14.5 | 7.0 | | | | | |
| 80 08 26 1120 | | .3 | 1 | 15520 | 6 | 1.200 | | | | | | | |

(CONTD)

| TEST-NAME: | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 09 16 1210 | .3 | 1 | 15545 | 6 | 2.600 | | | | | | | |
| 80 10 01 1005 | .3 | 1 | 17123 | 6 | 1.120 | | | | | | | |
| 80 10 20 1115 | .3 | 1 | 15558 | 6 | 1.080 | | | | | | | |
| 80 11 03 1008 | .3 | 1 | 17136 | 6 | 2.280 | | | | | | | |
| 80 11 28 1115 | .3 | 1 | 15582 | 6 | 5.490 | | | | | | | |
| 80 12 01 1010 | .3 | 1 | 17149 | 6 | 5.430 | 1.0 | 15.0 | | | | | |
| MAXIMUM | | | | | 13.900 | 20.0 | 16.0 | 1.8 | 0.046 | 0.002 | 0.040 | 1.060 |
| ARITH MEAN | | | | | 4.086 | 9.6 | 10.3 | 1.2 | 0.029 | 0.002 | 0.036 | 0.825 |
| GEOM MEAN | | | | | 2.848 | 4.9 | 9.9 | 1.0 | 0.026 | 0.002 | 0.036 | 0.790 |
| MINIMUM | | | | | 0.700 | 0.0 | 7.0 | 0.6 | 0.014 | 0.002 | 0.032 | 0.590 |
| STD DEV | | | | | 3.622 | 8.6 | 2.9 | 0.8 | 0.022 | 0.000 | 0.006 | 0.332 |
| NO OF SAMPLES | | | | | 21 | 7 | 7 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 01 07 1105 | | .3 | 1 | 0.005 | 0.150 | 0.187 | 1.018 | 1.205 | 2.0 | 68.000 | 105.0 | 1.40 | 2.650 |
| 80 02 04 1057 | | .3 | 1 | 0.006 | 0.110 | 0.156 | 0.540 | 0.696 | 1.0< | 68.000 | 105.0 | 1.10 | 1.800 |
| MAXIMUM | | | | 0.006 | 0.150 | 0.187 | 1.018 | 1.205 | 2.0 | 68.000 | 105.0 | 1.40 | 2.650 |
| ARITH MEAN | | | | 0.006 | 0.130 | 0.171 | 0.779 | 0.950 | 1.5L | 68.000 | 105.0 | 1.25 | 2.225 |
| GEOM MEAN | | | | 0.005 | 0.128 | 0.171 | 0.741 | 0.916 | 1.4L | 68.000 | 105.0 | 1.24 | 2.184 |
| MINIMUM | | | | 0.005 | 0.110 | 0.156 | 0.540 | 0.696 | 1.0< | 68.000 | 105.0 | 1.10 | 1.800 |
| STD DEV | | | | 0.001 | 0.028 | 0.022 | 0.338 | 0.360 | 0.7L | 0.000 | 0.0 | 0.21 | 0.601 |
| NO OF SAMPLES | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | ASUT |
|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS |
| 80 01 07 1105 | | .3 | 1 | 0.001< |
| 80 02 04 1057 | | .3 | 1 | 0.001< |
| 80 02 26 1215 | | .3 | 1 | 0.001< |
| 80 03 03 1100 | | .3 | 1 | 0.001 |
| 80 03 20 1200 | | .3 | 1 | 0.001< |
| 80 04 08 1330 | | .3 | 1 | 0.001 |
| 80 04 22 1305 | | .3 | 1 | 0.002 |
| 80 05 05 1108 | | .3 | 1 | 0.002 |
| 80 05 20 1210 | | .3 | 1 | 0.001< |
| 80 06 03 1005 | | .3 | 1 | 0.001 |
| 80 06 06 1135 | | .3 | 1 | 0.001< |
| 80 07 01 1037 | | .3 | 1 | 0.001< |
| 80 07 31 1120 | | .3 | 1 | 0.001< |
| 80 08 05 1103 | | .3 | 1 | 0.001 |
| 80 08 26 1120 | | .3 | 1 | 0.001 |
| 80 09 16 1210 | | .3 | 1 | 0.001< |
| 80 10 01 1005 | | .3 | 1 | 0.002 |
| 80 10 20 1115 | | .3 | 1 | 0.001< |
| 80 11 03 1008 | | .3 | 1 | 0.001< |
| 80 11 28 1115 | | .3 | 1 | 0.001< |
| 80 12 01 1010 | | .3 | 1 | 0.001< |
| MAXIMUM | | | | 0.002 |
| ARITH MEAN | | | | 0.001L |
| GEOM MEAN | | | | 0.001L |
| MINIMUM | | | | 0.001< |
| STD DEV | | | | 0.000L |
| NO OF SAMPLES | | | | 21 |

B.O.W./ SITE: **MOIRA LAKE**
SAMPLE POINT: COUNTY BRIDGE 1 MILE SOUTH OF MADOC
STATION TYPE: LAKE

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ONTARIO
TERM STREAM: MOIRA RIVER

STATION ID: **17-0026-011-01**

STORET CODE: 02
004
1090

LAT: LONG: U T M: **18 0303700.0 4827750.0 4** REGION: 04 DISTANCE: 71.483

| TEST-NAME: | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 07 1300 | | .3 | 1 | 17010 | 6 | | | 0.0 | 12.0 | 0.8 | 0.053 | 0.002 | 0.008 |
| 80 02 04 1255 | | .3 | 1 | 17023 | 6 | | | | | 0.9 | 0.028 | 0.024 | 0.020 |
| 80 02 26 1100 | | .3 | 1 | 15300 | 6 | | | | | | | | |
| 80 03 03 1100 | | .3 | 1 | 17036 | 4 | | | 0.0 | 13.0 | 0.3 | 0.036 | 0.028 | 0.060 |
| 80 03 20 1030 | | .3 | 1 | 15313 | 6 | | | | | | | | |
| 80 04 08 1100 | | .3 | 1 | 17049 | 8 | 4< | 4< | | | 1.1 | 0.030 | 0.016 | 0.050 |
| 80 04 22 1050 | | .3 | 1 | 15446 | 6 | | | | | | | | |
| 80 05 05 1315 | | .3 | 1 | 17062 | 6 | 8 | 4< | 15.0 | 11.0 | 1.1 | 0.032 | 0.016 | 0.030 |
| 80 06 03 1200 | | .3 | 1 | 17075 | 6 | 4< | 4< | 15.6 | 8.0 | 0.4 | 0.026 | 0.016 | 0.060 |
| 80 06 06 1000 | | .3 | 1 | 15478 | 6 | | | | | | | | |
| 80 07 01 1215 | | .3 | 1 | 17088 | 6 | 4< | 4< | 21.0 | 8.0 | 1.4 | 0.038 | 0.028 | 0.06 |
| 80 07 31 1020 | | .3 | 1 | 15503 | 6 | | | | | | | | |
| 80 08 05 1242 | | .3 | 1 | 17101 | 5 | 4< | 4< | 17.5 | 8.0 | 3.4 | 0.178 | 0.156 | 0.83 |
| 80 08 26 1010 | | .3 | 1 | 15516 | 6 | | | | | | | | |
| 80 09 01 1104 | | .3 | 1 | 17114 | | 4< | 28 | 23.0 | 6.0 | 2.0 | 0.074 | 0.048 | 0.280 |
| 80 09 16 1045 | | .3 | 1 | 15541 | 6 | | | | | | | | |
| 80 10 01 1143 | | .3 | 1 | 17127 | 6 | 4< | 8 | | | 2.3 | 0.074 | 0.038 | 0.110 |
| 80 10 20 1005 | | .3 | 1 | 15554 | 6 | | | | | | | | |
| 80 11 03 1140 | | .3 | 1 | 17140 | 6 | 4 | 4< | | | | | | |
| 80 11 28 1000 | | .3 | 1 | 15578 | 6 | | | | | | | | |
| 80 12 01 1130 | | .3 | 1 | 17153 | 6 | 4< | 4< | 1.0 | 11.0 | | 0.026 | 0.020 | |
| MAXIMUM | | | | | | 8 | 28 | 23.0 | 13.0 | 3.4 | 0.178 | 0.156 | 0.83 |
| ARITH MEAN | | | | | | 4L | 7L | 11.6 | 9.6 | 1.4 | 0.054 | 0.036 | 0.16 |
| GEOM MEAN | | | | | | 4L | 6L | 6.1 | 9.3 | 1.1 | 0.044 | 0.023 | 0.06 |
| MINIMUM | | | | | | 4< | 4< | 0.0 | 6.0 | 0.3 | 0.026 | 0.002 | 0.008 |
| STD DEV | | | | | | 1L | 8L | 9.7 | 2.4 | 1.0 | 0.045 | 0.042 | 0.28 |
| NO OF SAMPLES | | | | | | 9 | 9 | 8 | 8 | 10 | 11 | 11 | 10 |

(CONTD)

B.O.W./SITE **MOIRA LAKE**
SAMPLE POINT **COUNTY BRIDGE 1 MILE SOUTH OF MADOC**
STATION TYPE **LAKE**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ONTARIO**
TERM STREAM **MOIRA RIVER**

STATION ID **17-0026-011-01**
STORET CODE **02**
**004**
**1080**

LAT LONG U.T.M. **18 0303700.0 4927750.0 4** REGION **04** DISTANCE **71.453**

| | | | TEST-NAME: | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'TY FTU |
| 80 01 07 1300 | | | .3 | 1 | 1.500 | 0.004 | 0.196 | 0.208 | 1.492 | 1.700 | 0.6 | 189.000 | 290.0 | 1.20 |
| 80 02 04 1255 | | | .3 | 1 | 0.480 | 0.006 | 0.230 | 0.256 | 0.460 | 0.716 | 1.0 | 211.000 | 325.0 | 1.60 |
| 80 03 03 0100 | | | .3 | 1 | 0.560 | 0.012 | 0.310 | 0.382 | 0.500 | 0.882 | | | 365.0 | 1.60 |
| 80 04 08 1100 | | | .3 | 1 | 0.300 | 0.006 | 0.190 | 0.246 | 0.250 | 0.496 | | | 190.0 | 1.40 |
| 80 05 05 1315 | | | .3 | 1 | 0.540 | 0.004 | 0.020< | 0.054 | 0.510 | 0.564 | | | 255.0 | 0.80 |
| 80 06 03 1200 | | | .3 | 1 | 0.520 | 0.006 | 0.020< | 0.086 | 0.460 | 0.546 | | | 290.0 | 0.90 |
| 80 07 01 1215 | | | .3 | 1 | 0.62 | 0.002 | 0.02 | 0.082 | 0.560 | 0.642 | | | 305 | 10 |
| 80 08 05 1242 | | | .3 | 1 | 2.2 | 0.002< | 0.02 < | 0.852 | 1.370 | 2.222 | | | 300 | 2.6 |
| 80 09 01 1104 | | | .3 | 1 | 1.140 | 0.004 | 0.020 | 0.304 | 0.860 | 1.164 | | | 290.0 | 1.90 |
| 80 10 01 1143 | | | .3 | 1 | 0.860 | 0.002 | 0.020< | 0.132 | 0.750 | 0.882 | | | 300.0 | 2.50 |
| 80 12 01 1130 | | | .3 | 1 | 0.410 | 0.004 | 0.040 | | | 0.454 | 1.00 | 211.000 | 325.0 | |
| MAXIMUM | | | | | 2.2 | 0.012 | 0.310 | 0.852 | 1.492 | 2.222 | 1.0 | 211.000 | 365.0 | 10 |
| ARITH MEAN | | | | | 0.8 | 0.005L | 0.09 L | 0.260 | 0.721 | 0.933 | 0.8 | 203.667 | 294 | 2 |
| GEOM MEAN | | | | | 0.6 | 0.004L | 0.05 L | 0.191 | 0.631 | 0.818 | 0.8 | 203.398 | 290 | 1 |
| MINIMUM | | | | | 0.300 | 0.002< | 0.020< | 0.054 | 0.250 | 0.454 | 0.6 | 189.000 | 190.0 | 0.80 |
| STD DEV | | | | | 0.6 | 0.003L | 0.11 L | 0.234 | 0.410 | 0.561 | 0.2 | 12.702 | 44 | 2 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 10 | 10 | 11 | 3 | 3 | 11 | 10 |

| | | | TEST-NAME: | | CLIDUR | ALKT | PH | ASUT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | ARSENIC UNF.TOT. MG/L AS AS |
| 80 01 07 1300 | | | .3 | 1 | 6.250 | | | 0.040 |
| 80 02 04 1255 | | | .3 | 1 | 8.500 | | | 0.001< |
| 80 02 26 1100 | | | .3 | 1 | | | | 0.120 |
| 80 03 03 0100 | | | .3 | 1 | 8.200 | | | 0.090 |
| 80 03 20 1030 | | | .3 | 1 | | | | 0.058 |
| 80 04 08 1100 | | | .3 | 1 | 4.000 | | | 0.021 |
| 80 04 22 1050 | | | .3 | 1 | | | | 0.020 |
| 80 05 05 1315 | | | .3 | 1 | 5.800 | | | 0.028 |
| 80 06 03 1200 | | | .3 | 1 | 6.300 | | | 0.052 |
| 80 06 06 1000 | | | .3 | 1 | | | | 0.048 |
| 80 07 01 1215 | | | .3 | 1 | 7.3 | | | 0.060 |
| 80 07 31 1020 | | | .3 | 1 | | | | 0.078 |
| 80 08 05 1242 | | | .3 | 1 | 8.0 | | | 0.120 |
| 80 08 26 1010 | | | .3 | 1 | | | | 0.120 |
| 80 09 01 1104 | | | .3 | 1 | 8.500 | | | |
| 80 09 16 1045 | | | .3 | 1 | | | | 0.150 |
| 80 10 01 1143 | | | .3 | 1 | 9.500 | | | 0.120 |
| 80 10 20 1005 | | | .3 | 1 | | | | 0.088 |
| 80 11 03 1140 | | | .3 | 1 | | | | 0.062 |
| 80 11 28 1000 | | | .3 | 1 | | | | 0.090 |
| 80 12 01 1130 | | | .3 | 1 | | 116.0 | 7.70 | 0.045 |
| MAXIMUM | | | | | 9.500 | 116.0 | 7.70 | 0.150 |
| ARITH MEAN | | | | | 7.2 | 116.0 | 7.70 | 0.071L |
| GEOM MEAN | | | | | 7.0 | | | 0.052L |
| MINIMUM | | | | | 4.000 | 116.0 | 7.70 | 0.001< |
| STD DEV | | | | | 1.6 | | | 0.041L |
| NO OF SAMPLES | | | | | 10 | 1 | 1 | 20 |

B.O.W./SITE **MADOC CREEK**
SAMPLE POINT **AT RAILWAY BRIDGE 1 MILE SOUTH OF MADOC**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **LAKE ONTARIO**
TERM STREAM **MOIRA RIVER**

STATION ID **17-0026-012-02**
STORET CODE **02**
**004**
**1080**

LAT LONG U.T.M. **18 0303200.0 4903525.0 4** REGION **04** DISTANCE **74.632**

| | | | TEST-NAME: | | SAMPLE | FWSTRC | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 01 07 1250 | | | .3 | 1 | 17009 | 4 | 0.0 | 12.0 | 0.4 | 0.023 | 0.004 | 0.026 | 0.500 | 0.005 |
| 80 02 04 1245 | | | .3 | 1 | 17022 | 4 | | | 1.3 | 0.050 | 0.002 | 0.190 | 0.890 | 0.012 |
| 80 03 20 1045 | | | .3 | 1 | 15314 | 6 | | | | | | | | |
| 80 04 08 1130 | | | .3 | 1 | 17048 | 8 | | | | | | | | |
| 80 04 22 1100 | | | .3 | 1 | 15447 | 6 | | | | | | | | |
| 80 05 05 1300 | | | .3 | 1 | 17061 | 6 | 13.0 | 10.0 | | | | | | |
| 80 06 03 1150 | | | .3 | 1 | 17074 | 6 | 15.0 | 10.0 | | | | | | |
| 80 06 06 1015 | | | .3 | 1 | 15479 | 6 | | | | | | | | |
| 80 07 01 1205 | | | .3 | 1 | 17087 | 6 | 19.5 | 7.0 | | | | | | |
| 80 07 31 1015 | | | .3 | 1 | 15504 | 6 | | | | | | | | |
| 80 08 05 1230 | | | .3 | 1 | 17100 | 6 | 14.0 | 6.0 | | | | | | |
| 80 08 26 1020 | | | .3 | 1 | 15517 | 6 | | | | | | | | |
| 80 09 16 1105 | | | .3 | 1 | 15542 | 6 | | | | | | | | |
| 80 10 01 1140 | | | .3 | 1 | 17126 | 5 | | | | | | | | |
| 80 10 20 1020 | | | .3 | 1 | 15555 | 6 | | | | | | | | |
| 80 11 03 1135 | | | .3 | 1 | 17139 | 6 | | | | | | | | |
| 80 11 28 1010 | | | .3 | 1 | 15579 | 6 | | | | | | | | |
| 80 12 01 1118 | | | .3 | 1 | 17152 | 6 | 1.0 | 13.0 | | | | | | |
| MAXIMUM | | | | | | | 19.5 | 13.0 | 1.3 | 0.050 | 0.004 | 0.190 | 0.890 | 0.012 |
| ARITH MEAN | | | | | | | 10.4 | 9.7 | 0.8 | 0.036 | 0.003 | 0.108 | 0.695 | 0.008 |
| GEOM MEAN | | | | | | | 6.1 | 9.3 | 0.7 | 0.034 | 0.003 | 0.070 | 0.667 | 0.008 |
| MINIMUM | | | | | | | 0.0 | 6.0 | 0.4 | 0.023 | 0.002 | 0.026 | 0.500 | 0.005 |
| STD DEV | | | | | | | 8.0 | 2.7 | 0.6 | 0.019 | 0.001 | 0.116 | 0.276 | 0.005 |
| NO OF SAMPLES | | | | | | | 6 | 6 | 2 | 2 | 2 | 2 | 2 | 2 |

(CONTD)

| | | TEST-NAME: | | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB | CLIDUR | ASUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'TY FTU | CHLORIDE UNF.REAC MG/L AS CL | ARSENIC UNF.TOT. MG/L AS AS |
| 80 01 07 1250 | | .3 | 1 | 0.815 | 0.846 | 0.474 | 1.320 | 0.8 | 319.0 | 530.0 | 1.30 | 14.500 | 0.001< |
| 80 02 04 1245 | | .3 | 1 | 1.050 | 1.252 | 0.700 | 1.952 | 4.0 | 300.0 | 570.0 | 2.30 | 20.000 | 0.001< |
| 80 03 20 1045 | | .3 | 1 | | | | | | | | | | 0.002 |
| 80 04 08 1130 | | .3 | 1 | | | | | | | | | | 0.001 |
| 80 04 22 1100 | | .3 | 1 | | | | | | | | | | 0.002 |
| 80 05 05 1300 | | .3 | 1 | | | | | | | | | | 0.034 |
| 80 06 03 1150 | | .3 | 1 | | | | | | | | | | 0.001 |
| 80 06 06 1015 | | .3 | 1 | | | | | | | | | | 0.001 |
| 80 07 01 1205 | | .3 | 1 | | | | | | | | | | 0.002 |
| 80 07 31 1015 | | .3 | 1 | | | | | | | | | | 0.001 |
| 80 08 05 1230 | | .3 | 1 | | | | | | | | | | 0.002 |
| 80 08 26 1020 | | .3 | 1 | | | | | | | | | | 0.004 |
| 80 09 16 1105 | | .3 | 1 | | | | | | | | | | 0.001 |
| 80 10 01 1140 | | .3 | 1 | | | | | | | | | | 0.002 |
| 80 10 20 1020 | | .3 | 1 | | | | | | | | | | 0.001 |
| 80 11 03 1135 | | .3 | 1 | | | | | | | | | | 0.001< |
| 80 11 28 1010 | | .3 | 1 | | | | | | | | | | 0.001< |
| 80 12 01 1118 | | .3 | 1 | | | | | | | | | | 0.001< |
| MAXIMUM | | | | 1.050 | 1.252 | 0.700 | 1.952 | 4.0 | 319.0 | 570.0 | 2.30 | 20.000 | 0.034 |
| ARITH MEAN | | | | 0.932 | 1.049 | 0.587 | 1.636 | 2.4 | 309.5 | 550.0 | 1.80 | 17.250 | 0.003L |
| GEOM MEAN | | | | 0.925 | 1.029 | 0.576 | 1.605 | 1.8 | 309.4 | 549.6 | 1.73 | 17.029 | 0.002L |
| MINIMUM | | | | 0.815 | 0.846 | 0.474 | 1.320 | 0.8 | 300.0 | 530.0 | 1.30 | 14.500 | 0.001< |
| STD DEV | | | | 0.166 | 0.287 | 0.160 | 0.447 | 2.3 | 13.4 | 28.3 | 0.71 | 3.889 | 0.008L |
| NO OF SAMPLES | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 18 |

B.O.W./ SITE: **MOIRA RIVER**
SAMPLE POINT: **HIGHWAY 7 1 MILE SOUTH OF DELORO**
STATION TYPE: **RIVER FLOW GAUGE FED 02HL005**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **MOIRA RIVER**

STATION ID: **17-0026-013-02**

STORET CODE: **02**
**004**
**1080**

LAT: LONG: U T M: **18 0291850.0 4930500.0 4** REGION: **04** DISTANCE: [illegible]

| | | TEST-NAME: | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N |
| 80 01 07 1140 | | .3 | 1 | 17007 | 4 6 | 2.500 | 0.0 | 10.0 | 0.6 | 0.030 | 0.002 | 0.016 | 0.550 |
| 80 02 04 1120 | | .3 | 1 | 17020 | 4 | 1.290 | | | 1.4 | 0.046 | 0.034 | 0.070 | 0.520 |
| 80 02 26 1115 | | .3 | 1 | 15302 | 6 | 0.570 | | | | | | | |
| 80 03 20 1100 | | .3 | 1 | 15315 | 6 | 4.000 | | | | | | | |
| 80 04 08 1350 | | .3 | 1 | 17046 | 6 | 8.550 | | | | | | | |
| 80 04 22 1115 | | .3 | 1 | 15448 | 6 | 9.850 | | | | | | | |
| 80 05 05 1130 | | .3 | 1 | 17059 | 6 | 8.040 | 15.0 | 10.0 | | | | | |
| 80 06 03 1030 | | .3 | 1 | 17072 | 6 | 1.290 | 15.0 | 8.0 | | | | | |
| 80 06 06 1030 | | .3 | 1 | 15480 | 6 | 0.907 | | | | | | | |
| 80 07 01 1058 | | .3 | 1 | 17085 | 6 | 0.784 | 19.5 | 8.0 | | | | | |
| 80 07 31 1035 | | .3 | 1 | 15505 | 6 | 0.559 | | | | | | | |
| 80 08 05 1120 | | .3 | 1 | 17098 | 6 | 0.568 | 14.0 | 4.0 | | | | | |
| 80 08 26 1035 | | .3 | 1 | 15518 | 6 | 0.055 | | | | | | | |
| 80 09 16 1120 | | .3 | 1 | 15543 | 6 | 0.076 | | | | | | | |
| 80 10 01 1030 | | .3 | 1 | 17124 | 6 | 0.042 | | | | | | | |
| 80 10 20 1035 | | .3 | 1 | 15556 | 6 | 0.899 | | | | | | | |
| 80 11 03 1025 | | .3 | 1 | 17137 | 6 | 2.030 | | | | | | | |
| 80 11 28 1025 | | .3 | 1 | 15580 | 6 | 2.150 | | | | | | | |
| 80 12 01 1102 | | .3 | 1 | 17150 | 6 | 2.080 | 1.0 | 12.0 | | | | | |
| MAXIMUM | | | | | | 9.850 | 19.5 | 12.0 | 1.4 | 0.046 | 0.034 | 0.070 | 0.550 |
| ARITH MEAN | | | | | | 2.434 | 10.7 | 8.7 | 1.0 | 0.038 | 0.018 | 0.043 | 0.535 |
| GEOM MEAN | | | | | | 1.038 | 8.3 | 8.2 | 0.9 | 0.037 | 0.008 | 0.033 | 0.535 |
| MINIMUM | | | | | | 0.042 | 0.0 | 4.0 | 0.6 | 0.030 | 0.002 | 0.016 | 0.520 |
| STD DEV | | | | | | 3.019 | 8.2 | 2.7 | 0.6 | 0.011 | 0.023 | 0.038 | 0.021 |
| NO OF SAMPLES | | | | | | 19 | 6 | 6 | 2 | 2 | 2 | 2 | 2 |

| | | TEST-NAME: | | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'TY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 01 07 1140 | | .3 | 1 | 0.004 | 0.251 | 0.271 | 0.534 | 0.805 | 5.0 | 204.000 | 245.0 | 2.10 | 4.900 |
| 80 02 04 1120 | | .3 | 1 | 0.006 | 0.370 | 0.446 | 0.450 | 0.896 | 5.0 | 205.000 | 315.0 | 1.80 | 17.000 |
| MAXIMUM | | | | 0.006 | 0.370 | 0.446 | 0.534 | 0.896 | 5.0 | 205.000 | 315.0 | 2.10 | 17.000 |
| ARITH MEAN | | | | 0.005 | 0.310 | 0.358 | 0.492 | 0.850 | 5.0 | 204.500 | 280.0 | 1.95 | 10.950 |
| GEOM MEAN | | | | 0.005 | 0.305 | 0.348 | 0.490 | 0.849 | 5.0 | 204.499 | 277.8 | 1.94 | 9.127 |
| MINIMUM | | | | 0.004 | 0.251 | 0.271 | 0.450 | 0.805 | 5.0 | 204.000 | 245.0 | 1.80 | 4.900 |
| STD DEV | | | | 0.001 | 0.084 | 0.124 | 0.059 | 0.064 | 0.0 | 0.707 | 49.5 | 0.21 | 8.556 |
| NO OF SAMPLES | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| | | TEST-NAME: | | ASUT |
|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS |
| 80 01 07 1140 | | .3 | 1 | 0.036 |
| 80 02 04 1120 | | .3 | 1 | 0.100 |
| 80 02 26 1115 | | .3 | 1 | 0.140 |
| 80 03 20 1100 | | .3 | 1 | 0.062 |
| 80 04 08 1350 | | .3 | 1 | 0.027 |
| 80 04 22 1115 | | .3 | 1 | 0.079 |
| 80 05 05 1130 | | .3 | 1 | 0.031 |
| 80 06 03 1030 | | .3 | 1 | 0.065 |
| 80 06 06 1030 | | .3 | 1 | 0.058 |
| 80 07 01 1058 | | .3 | 1 | 0.065 |
| 80 07 31 1035 | | .3 | 1 | 0.180 |
| 80 08 05 1120 | | .3 | 1 | 0.140 |
| 80 08 26 1035 | | .3 | 1 | 0.550 |
| 80 09 16 1120 | | .3 | 1 | 1.000 |
| 80 10 01 1030 | | .3 | 1 | 0.003 |
| 80 10 20 1035 | | .3 | 1 | 0.180 |
| 80 11 03 1025 | | .3 | 1 | 0.031 |

(CONTD)

B.O.W./ SITE: **MOIRA RIVER**
SAMPLE POINT: HIGHWAY 7 1 MILE SOUTH OF DELORO
STATION TYPE: RIVER FLOW GAUGE FED 02HL005

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ONTARIO
TERM STREAM: MOIRA RIVER

STATION ID: 17-0026-013-02
STORET CODE: 02
004
1080

LAT: LONG: U T M: 18 0291850.0 4930500.0 4 REGION: 04 DISTANCE: 92.886

| TEST-NAME: | | | | | ASUT |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS |
| 80 11 28 1025 | | | .3 | 1 | 0.005< |
| 80 12 01 1102 | | | .3 | 1 | 0.028 |
| MAXIMUM | | | | | 1.000 |
| ARITH MEAN | | | | | 0.146L |
| GEOM MEAN | | | | | 0.063L |
| MINIMUM | | | | | 0.003< |
| STD DEV | | | | | 0.240L |
| NO OF SAMPLES | | | | | 19 |

B.O.W./ SITE: **MOIRA RIVER**
SAMPLE POINT: DOWNSTREAM FROM VILLAGE OF MALONE
STATION TYPE: RIVER

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ONTARIO
TERM STREAM: MOIRA RIVER

STATION ID: 17-0026-019-02
STORET CODE: 02
004
1080

LAT: LONG: U T M: 18 0293000.0 4936700.0 4 REGION: 04 DISTANCE: 108.742

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 01 07 1150 | | | .3 | 1 | 17008 | 6 | 0.0 | 11.0 | 0.4 | 0.008 | 0.001 | 0.016 | 0.210 | 0.004 |
| 80 02 04 1136 | | | .3 | 1 | 17021 | 6 | | | 1.5 | 0.012 | 0.004 | 0.100 | 0.650 | 0.006 |
| 80 02 26 1200 | | | .3 | 1 | 15303 | 6 | | | | | | | | |
| 80 03 20 1130 | | | .3 | 1 | 15316 | 6 | | | | | | | | |
| 80 04 08 1000 | | | .3 | 1 | 17047 | 8 | | | | | | | | |
| 80 04 22 1130 | | | .3 | 1 | 15449 | 6 | | | | | | | | |
| 80 05 05 1147 | | | .3 | 1 | 17060 | 6 | 14.0 | 10.0 | | | | | | |
| 80 06 03 1045 | | | .3 | 1 | 17073 | 6 | 15.0 | 9.0 | | | | | | |
| 80 06 06 1045 | | | .3 | 1 | 15481 | 6 | | | | | | | | |
| 80 07 01 1112 | | | .3 | 1 | 17086 | 6 | 18.0 | 9.0 | | | | | | |
| 80 07 31 1055 | | | .3 | 1 | 15506 | 6 | | | | | | | | |
| 80 08 05 1135 | | | .3 | 1 | 17099 | 6 | 13.5 | 7.0 | | | | | | |
| 80 08 26 1055 | | | .3 | 1 | 15519 | 6 | | | | | | | | |
| 80 09 16 1140 | | | .3 | 1 | 15544 | 6 | | | | | | | | |
| 80 10 01 1045 | | | .3 | 1 | 17125 | 9 | | | | | | | | |
| 80 10 20 1045 | | | .3 | 1 | 15557 | 6 | | | | | | | | |
| 80 11 03 1047 | | | .3 | 1 | 17138 | 6 | | | | | | | | |
| 80 11 28 1045 | | | .3 | 1 | 15581 | 6 | | | | | | | | |
| 80 12 01 1050 | | | .3 | 1 | 17151 | 6 | 1.0 | 14.0 | | | | | | |
| MAXIMUM | | | | | | | 18.0 | 14.0 | 1.5 | 0.012 | 0.004 | 0.100 | 0.650 | 0.006 |
| ARITH MEAN | | | | | | | 10.2 | 10.0 | 0.9 | 0.010 | 0.002 | 0.058 | 0.430 | 0.005 |
| GEOM MEAN | | | | | | | 6.1 | 9.8 | 0.8 | 0.010 | 0.002 | 0.040 | 0.369 | 0.005 |
| MINIMUM | | | | | | | 0.0 | 7.0 | 0.4 | 0.008 | 0.001 | 0.016 | 0.210 | 0.004 |
| STD DEV | | | | | | | 7.7 | 2.4 | 0.8 | 0.003 | 0.002 | 0.059 | 0.311 | 0.001 |
| NO OF SAMPLES | | | | | | | 6 | 6 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB | CLIDUR | ASUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'TY FTU | CHLORIDE UNF.REAC MG/L AS CL | ARSENIC UNF.TOT. MG/L AS AS |
| 80 01 07 1150 | | | .3 | 1 | 0.266 | 0.286 | 0.194 | 0.480 | 1.0 | 163.000 | 250.0 | 1.40 | 4.450 | 0.001< |
| 80 02 04 1136 | | | .3 | 1 | 0.390 | 0.496 | 0.550 | 1.046 | 2.0 | 185.000 | 285.0 | 1.40 | 7.200 | 0.055 |
| 80 02 26 1200 | | | .3 | 1 | | | | | | | | | | 0.001< |
| 80 03 20 1130 | | | .3 | 1 | | | | | | | | | | 0.001 |
| 80 04 08 1000 | | | .3 | 1 | | | | | | | | | | 0.001 |
| 80 04 22 1130 | | | .3 | 1 | | | | | | | | | | 0.002 |
| 80 05 05 1147 | | | .3 | 1 | | | | | | | | | | 0.002 |
| 80 06 03 1045 | | | .3 | 1 | | | | | | | | | | 0.002 |
| 80 06 06 1045 | | | .3 | 1 | | | | | | | | | | 0.001 |
| 80 07 01 1112 | | | .3 | 1 | | | | | | | | | | 0.001 |
| 80 07 31 1055 | | | .3 | 1 | | | | | | | | | | 0.002 |
| 80 08 05 1135 | | | .3 | 1 | | | | | | | | | | 0.001 |
| 80 08 26 1055 | | | .3 | 1 | | | | | | | | | | 0.003 |
| 80 09 16 1140 | | | .3 | 1 | | | | | | | | | | 0.001 |
| 80 10 01 1045 | | | .3 | 1 | | | | | | | | | | 0.650 |
| 80 10 20 1045 | | | .3 | 1 | | | | | | | | | | 0.001 |
| 80 11 03 1047 | | | .3 | 1 | | | | | | | | | | 0.001< |
| 80 11 28 1045 | | | .3 | 1 | | | | | | | | | | 0.001< |
| 80 12 01 1050 | | | .3 | 1 | | | | | | | | | | 0.001< |
| MAXIMUM | | | | | 0.390 | 0.496 | 0.550 | 1.046 | 2.0 | 185.000 | 285.0 | 1.40 | 7.200 | 0.650 |
| ARITH MEAN | | | | | 0.328 | 0.391 | 0.372 | 0.763 | 1.5 | 174.000 | 267.5 | 1.40 | 5.825 | 0.038L |
| GEOM MEAN | | | | | 0.322 | 0.377 | 0.327 | 0.709 | 1.4 | 173.652 | 266.9 | 1.40 | 5.660 | 0.002L |
| MINIMUM | | | | | 0.266 | 0.286 | 0.194 | 0.480 | 1.0 | 163.000 | 250.0 | 1.40 | 4.450 | 0.001< |
| STD DEV | | | | | 0.088 | 0.148 | 0.252 | 0.400 | 0.7 | 15.556 | 24.7 | 0.00 | 1.945 | 0.149L |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 19 |

B.O.W./ SITE: **SALMON RIVER**
SAMPLE POINT: **AT OLD HIGHWAY 2, SHANNONVILLE**
STATION TYPE: **RIVER FLOW GAUGE FED [illegible]**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **SALMON RIVER**

STATION ID: **17-0031-001-02**
STORET CODE: **02**
**004**
**/1980**

LAT: LONG: U T M: **18 0321810.0 4895875.0 4** REGION: **04** DISTANCE: **[illegible]**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P |
| 80 01 08 1135 | | | .3 | 1 | 17750 | 6 | 17.000 | | | 0.0 | 8.0 | | 0.006 | 0.004 |
| 80 02 04 1030 | | | .3 | 1 | 17755 | 6 | 6.300 | | | 0.0 | | 0.8 | 0.014 | 0.004 |
| 80 04 01 1115 | | | .3 | 1 | 17769 | 8 | 46.200 | 4< | | | | | 0.022 | 0.004 |
| 80 05 29 1100 | | | .3 | 1 | 17774 | 0 3 | 8.300 | 136 | 156 | 11.0 | 10.0 | | 0.018 | 0.002 |
| 80 06 09 1140 | | | .3 | 1 | 17779 | 3 | 4.880 | 12 | 8 | 16.0 | 3.0 | 0.8 | 0.020 | 0.002 |
| 80 07 02 1510 | | | .3 | 1 | 17784 | 6 | 4.420 | 80I | 10< | 23.0 | 4.0 | | 0.020 | 0.005 |
| 80 08 05 0935 | | | .3 | 1 | 17786 | 6 | 2.080 | 168 | 16 | 25.0 | 5.0 | | 0.102 | 0.010 |
| 80 09 10 1115 | | | .3 | 1 | 17794 | 8 | 0.730 | 300> | 300> | | | | 0.034 | 0.008 |
| 80 10 07 1135 | | | .3 | 1 | 17799 | 8 | 0.573 | | | | | | 0.038 | 0.024 |
| 80 11 04 1535 | | | .3 | 1 | 17804 | 8 | 5.340 | 36 | 56 | | | | 0.020 | 0.002 |
| 80 12 15 1035 | | | .3 | 1 | 17809 | 8 | 17.400 | 4 | 12 | | | | 0.014 | 0.006 |
| MAXIMUM | | | | | | | 46.200 | 300> | 300> | 25.0 | 10.0 | 0.8 | 0.102 | 0.024 |
| ARITH MEAN | | | | | | | 10.293 | 92B | 80B | 12.5 | 6.0 | 0.8 | 0.028 | 0.006 |
| GEOM MEAN | | | | | | | 5.177 | 37B | 33B | 6.8 | 5.4 | 0.8 | 0.022 | 0.005 |
| MINIMUM | | | | | | | 0.573 | 4< | 8< | 0.0 | 3.0 | 0.8 | 0.006 | 0.002 |
| STD DEV | | | | | | | 13.216 | 104B | 111B | 10.9 | 2.9 | 0.0 | 0.026 | 0.006 |
| NO OF SAMPLES | | | | | | | 11 | 8 | 7 | 6 | 5 | 2 | 11 | 11 |

| TEST-NAME: | | | | | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 01 08 1135 | | | .3 | 1 | 0.010 | 0.250 | 0.004 | 0.180 | 0.194 | 0.240 | 0.434 | 205.0 | 2.20 | |
| 80 02 04 1030 | | | .3 | 1 | 0.010 | 0.460 | 0.004 | 0.140 | 0.154 | 0.450 | 0.604 | 225.0 | 1.90 | 5.800 |
| 80 04 01 1115 | | | .3 | 1 | 0.010 | 0.340 | 0.004 | 0.220 | 0.234 | 0.330 | 0.564 | 175.0 | 2.10 | |
| 80 05 29 1100 | | | .3 | 1 | 0.040 | 0.390 | 0.006 | 0.150 | 0.196 | 0.350 | 0.546 | 215.0 | 2.40 | |
| 80 06 09 1140 | | | .3 | 1 | 0.030 | 0.430 | 0.004 | 0.060 | 0.094 | 0.400 | 0.494 | 205.0 | 2.30 | 4.800 |
| 80 07 02 1510 | | | .3 | 1 | 0.040 | 0.530 | 0.005 | 0.070 | 0.115 | 0.490 | 0.605 | 205.0 | 3.50 | |
| 80 08 05 0935 | | | .3 | 1 | 0.040 | 1.450 | 0.002 | 0.020 | 0.062 | 1.410 | 1.472 | 255.0 | 2.10 | |
| 80 09 10 1115 | | | .3 | 1 | 0.060 | 0.620 | 0.004 | 0.020< | 0.084 | 0.560 | 0.644 | 260.0 | 1.40 | |
| 80 10 07 1135 | | | .3 | 1 | 0.060 | 0.530 | 0.038 | 0.040 | 0.138 | 0.470 | 0.608 | 285.0 | 1.50 | |
| 80 11 04 1535 | | | .3 | 1 | 0.010< | 0.570 | 0.003 | 0.050 | 0.063 | 0.560 | 0.623 | 280.0 | 1.80 | |
| 80 12 15 1035 | | | .3 | 1 | 0.010 | 0.400 | 0.004 | 0.160 | 0.174 | 0.390 | 0.564 | 250.0 | 1.20 | |
| MAXIMUM | | | | | 0.060 | 1.450 | 0.038 | 0.220 | 0.234 | 1.410 | 1.472 | 285.0 | 3.50 | 5.800 |
| ARITH MEAN | | | | | 0.029L | 0.543 | 0.007 | 0.101L | 0.137 | 0.514 | 0.651 | 232.7 | 2.04 | 5.300 |
| GEOM MEAN | | | | | 0.022L | 0.488 | 0.005 | 0.078L | 0.126 | 0.481 | 0.616 | 230.3 | 1.96 | 5.278 |
| MINIMUM | | | | | 0.010< | 0.250 | 0.002 | 0.020< | 0.062 | 0.240 | 0.434 | 175.0 | 1.20 | 4.800 |
| STD DEV | | | | | 0.020L | 0.318 | 0.010 | 0.071L | 0.068 | 0.313 | 0.279 | 36.4 | 0.62 | 0.707 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 2 |

| TEST-NAME: | | | | | PH |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH |
| 80 11 04 1535 | | | .3 | 1 | 8.10 |
| 80 12 15 1035 | | | .3 | 1 | 8.10 |
| MAXIMUM | | | | | 8.10 |
| ARITH MEAN | | | | | 8.10 |
| GEOM MEAN | | | | | 8.10 |
| MINIMUM | | | | | 8.10 |
| STD DEV | | | | | 0.00 |
| NO OF SAMPLES | | | | | 2 |

B.O.W./ SITE: **SALMON RIVER**
SAMPLE POINT: **AT BRIDGE IN MILLTOWN**
STATION TYPE: **RIVER FLOW GAUGE FED. [illegible]**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **SALMON RIVER**

STATION ID: **17-0031-002-02**
STORET CODE: **02**
**004**
**1980**

LAT: LONG: U T M: **18 0323450.0 4897050.0 4** REGION: **04** DISTANCE: **[illegible]**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P |
| 80 01 08 1120 | | | .3 | 1 | 17751 | 6 | 17.000 | | | 0.0 | 8.0 | | 0.010 | 0.004 |
| 80 02 04 1000 | | | .3 | 1 | 17756 | 6 | 6.300 | | | 0.0 | 6.0 | 1.1 | 0.008 | 0.002 |
| 80 04 01 1105 | | | .3 | 1 | 17768 | 8 | 46.200 | 4 | | | | | 0.022 | 0.006 |
| 80 05 29 1045 | | | .3 | 1 | 17773 | 0 3 | 8.300 | 160 | 116 | 11.5 | 8.0 | | 0.024 | 0.006 |
| 80 06 09 1130 | | | .3 | 1 | 17778 | 3 | 4.880 | 36 | 16 | 15.5 | 7.0 | 0.7 | 0.020 | 0.004 |
| 80 07 02 1515 | | | .3 | 1 | 17783 | 6 | 4.420 | 110 | 30 | 23.0 | 5.0 | | 0.024 | 0.005 |
| 80 08 05 0945 | | | .3 | 1 | 17785 | 6 | 2.080 | 36 | 4 | 21.0 | 8.0 | | 0.036 | 0.010 |
| 80 09 10 1105 | | | .3 | 1 | 17793 | 8 | 0.730 | 36 | 40 | | | | 0.024 | 0.004 |
| 80 10 07 1120 | | | .3 | 1 | 17798 | 8 | 0.573 | | | | | | 0.002 | 0.008 |
| 80 11 04 1525 | | | .3 | 1 | 17803 | 8 | 5.340 | 12 | 36 | | | | 0.020 | 0.002 |
| 80 12 15 1028 | | | .3 | 1 | 17808 | 8 | 17.400 | 8 | 36 | | | | 0.016 | 0.016 |
| MAXIMUM | | | | | | | 46.200 | 160 | 116 | 23.0 | 8.0 | 1.1 | 0.036 | 0.016 |
| ARITH MEAN | | | | | | | 10.293 | 50 | 40 | 11.8 | 7.0 | 0.9 | 0.019 | 0.006 |
| GEOM MEAN | | | | | | | 5.177 | 27 | 27 | 6.6 | 6.9 | 0.9 | 0.015 | 0.005 |
| MINIMUM | | | | | | | 0.573 | 4 | 4 | 0.0 | 5.0 | 0.7 | 0.002 | 0.002 |
| STD DEV | | | | | | | 13.216 | 56 | 36 | 10.0 | 1.3 | 0.3 | 0.009 | 0.004 |
| NO OF SAMPLES | | | | | | | 11 | 8 | 7 | 6 | 6 | 2 | 11 | 11 |

(CONTD)

B.O.W./ SITE: **SALMON RIVER**
SAMPLE POINT: **AT BRIDGE IN MILLTOWN**
STATION TYPE: **RIVER FLOW GAUGE FED. [illegible]**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **SALMON RIVER**

STATION ID: **17-0031-002-02**
STORET CODE: **02**
**004**
**[illegible]**

LAT: LONG: U T M: **18 0323450.0 4897050.0 4** REGION: **04** DISTANCE: **[illegible]**

| TEST-NAME: | | | | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 01 08 1120 | | .3 | 1 | 0.010 | 0.390 | 0.004 | 0.180 | 0.194 | 0.380 | 0.574 | 205.0 | 2.30 | |
| 80 02 04 1000 | | .3 | 1 | 0.010< | 0.390 | 0.004 | 0.140 | 0.154 | 0.380 | 0.534 | 225.0 | 2.40 | 6.000 |
| 80 04 01 1105 | | .3 | 1 | 0.010 | 0.360 | 0.004 | 0.240 | 0.254 | 0.350 | 0.604 | 195.0 | 1.70 | |
| 80 05 29 1045 | | .3 | 1 | 0.020 | 0.450 | 0.002 | 0.100 | 0.122 | 0.430 | 0.552 | 225.0 | 2.70 | |
| 80 06 09 1130 | | .3 | 1 | 0.040 | 0.340 | 0.004 | 0.060 | 0.104 | 0.300 | 0.404 | 205.0 | 2.40 | 4.500 |
| 80 07 02 1515 | | .3 | 1 | 0.050 | 0.480 | 0.005 | 0.060 | 0.115 | 0.430 | 0.545 | 195.0 | 3.80 | |
| 80 08 05 0945 | | .3 | 1 | 0.040 | 0.450 | 0.006 | 0.020< | 0.066 | 0.410 | 0.476 | 255.0 | 2.30 | |
| 80 09 10 1105 | | .3 | 1 | 0.030 | 0.580 | 0.002 | 0.020 | 0.052 | 0.550 | 0.602 | 255.0 | 1.60 | |
| 80 10 07 1120 | | .3 | 1 | 0.010 | 0.280 | 0.024 | 0.040 | 0.074 | 0.270 | 0.344 | 300.0 | 2.00 | |
| 80 11 04 1525 | | .3 | 1 | 0.010 | 0.560 | 0.002 | 0.040 | 0.052 | 0.550 | 0.602 | 280.0 | 1.90 | |
| 80 12 15 1028 | | .3 | 1 | 0.050 | 0.470 | 0.002 | 0.140 | 0.192 | 0.420 | 0.612 | 250.0 | 1.10 | |
| **MAXIMUM** | | | | **0.050** | **0.580** | **0.024** | **0.240** | **0.254** | **0.550** | **0.612** | **300.0** | **3.80** | **6.000** |
| **ARITH MEAN** | | | | **0.025L** | **0.432** | **0.006** | **0.086L** | **0.125** | **0.406** | **0.532** | **235.5** | **2.20** | **5.250** |
| **GEOM MEAN** | | | | **0.020L** | **0.423** | **0.004** | **0.070L** | **0.110** | **0.398** | **0.524** | **233.1** | **2.10** | **5.196** |
| **MINIMUM** | | | | **0.010<** | **0.280** | **0.002** | **0.020<** | **0.052** | **0.270** | **0.344** | **195.0** | **1.10** | **4.500** |
| **STD DEV** | | | | **0.017L** | **0.091** | **0.006** | **0.072L** | **0.066** | **0.088** | **0.089** | **35.3** | **0.70** | **1.061** |
| **NO OF SAMPLES** | | | | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **2** |

| TEST-NAME: | | | | PH |
|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PH |
| 80 11 04 1525 | | .3 | 1 | 8.10 |
| 80 12 15 1028 | | .3 | 1 | 8.10 |
| **MAXIMUM** | | | | **8.10** |
| **ARITH MEAN** | | | | **8.10** |
| **GEOM MEAN** | | | | **8.10** |
| **MINIMUM** | | | | **8.10** |
| **STD DEV** | | | | **0.00** |
| **NO OF SAMPLES** | | | | **2** |

B.O.W./ SITE: **NAPANEE RIVER**
SAMPLE POINT: **DOWNSTREAM FROM NAPANEE**
STATION TYPE: **RIVER FLOW GAUGE FED [illegible]**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **NAPANEE RIVER**

STATION ID: **17-0035-001-02**
STORET CODE: **02**
**004**
**[illegible]**

LAT. LONG: U T M: **18 0342300.0 4897625.0 4** REGION: **04** DISTANCE: **[illegible]**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 08 0115 | | .3 | 1 | 17752 | 4 | | | 0.0 | 13.0 | | 0.072 | 0.026 | 0.050 |
| 80 02 04 1130 | | .3 | 1 | 17757 | 4 | | | 0.0 | 2.0 | 2.6 | 0.056 | 0.006 | 0.060 |
| 80 03 03 1020 | | .3 | 1 | 17764 | 4 | | | 0.0 | 1.0 | | 0.034 | 0.002 | 0.110 |
| 80 04 01 1030 | | .3 | 1 | 17767 | 8 | 4 | | | | | 0.038 | 0.004 | 0.010 |
| 80 05 29 1030 | | .3 | 1 | 17772 | 0 3 | 480 | 600 | 12.0 | 10.0 | | 0.036 | 0.008 | 0.030 |
| 80 06 09 1245 | | .3 | 1 | 17777 | 6 | 440 | 80 | 17.0 | 4.0 | 1.5 | 0.040 | 0.006 | 0.050 |
| 80 07 02 0915 | | .3 | 1 | 17782 | 7 | 90I | 50I | 22.0 | 4.0 | | 0.066 | 0.018 | 0.150 |
| 80 08 05 1525 | | .3 | 1 | 17789 | 7 | 380 | 108 | 26.0 | 4.0 | | 0.116 | 0.052 | 0.240 |
| 80 09 10 1030 | | .3 | 1 | 17792 | 8 | 280 | 100 | | | | 0.040 | 0.016 | 0.080 |
| 80 10 07 1100 | | .3 | 1 | 17797 | 8 | | | | | | 0.002< | 0.012 | 0.030 |
| 80 11 04 1430 | | .3 | 1 | 17802 | 8 | 88 | 216 | | | | 0.032 | 0.004 | 0.010 |
| 80 12 15 1155 | | .3 | 1 | 17807 | 8 | 4< | 16 | | | | 0.014 | 0.002 | 0.010 |
| **MAXIMUM** | | | | | | **480** | **600** | **26.0** | **13.0** | **2.6** | **0.116** | **0.052** | **0.240** |
| **ARITH MEAN** | | | | | | **221L** | **167** | **11.0** | **5.4** | **2.0** | **0.048L** | **0.013** | **0.069** |
| **GEOM MEAN** | | | | | | **86L** | **98** | **5.3** | **4.0** | **2.0** | **0.034L** | **0.008** | **0.043** |
| **MINIMUM** | | | | | | **4<** | **16** | **0.0** | **1.0** | **1.5** | **0.002<** | **0.002** | **0.010** |
| **STD DEV** | | | | | | **197L** | **201** | **11.2** | **4.4** | **0.8** | **0.030L** | **0.014** | **0.069** |
| **NO OF SAMPLES** | | | | | | **8** | **7** | **7** | **7** | **2** | **12** | **12** | **12** |

| TEST-NAME: | | | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 08 0115 | | .3 | 1 | 0.820 | 0.026 | 0.210 | 0.286 | 0.770 | 1.056 | 295.0 | 4.50 | | |
| 80 02 04 1130 | | .3 | 1 | 1.450 | 0.008 | 0.050 | 0.118 | 1.390 | 1.508 | 275.0 | 3.40 | 9.200 | |
| 80 03 03 1020 | | .3 | 1 | 1.900 | 0.018 | 0.260 | 0.388 | 1.790 | 2.178 | 480.0 | 4.90 | | |
| 80 04 01 1030 | | .3 | 1 | 0.450 | 0.006 | 0.230 | 0.246 | 0.440 | 0.686 | 165.0 | 2.50 | | |
| 80 05 29 1030 | | .3 | 1 | 0.450 | 0.004 | 0.240 | 0.274 | 0.420 | 0.694 | 245.0 | 4.30 | | |
| 80 06 09 1245 | | .3 | 1 | 0.660 | 0.008 | 0.050 | 0.108 | 0.610 | 0.718 | 255.0 | 3.50 | 8.000 | |
| 80 07 02 0915 | | .3 | 1 | 1.200 | 0.006 | 0.040 | 0.196 | 1.050 | 1.246 | 195.0 | 2.30 | | |
| 80 08 05 1525 | | .3 | 1 | 1.200 | 0.002 | 0.020 | 0.262 | 0.960 | 1.222 | 210.0 | 3.40 | | |
| 80 09 10 1030 | | .3 | 1 | 0.580 | 0.016 | 0.020 | 0.116 | 0.500 | 0.616 | 205.0 | 1.60 | | |
| 80 10 07 1100 | | .3 | 1 | 0.170 | 0.018 | 0.060 | 0.108 | 0.140 | 0.248 | 220.0 | 1.60 | | |
| 80 11 04 1430 | | .3 | 1 | 0.650 | 0.013 | 0.160 | 0.183 | 0.640 | 0.823 | 295.0 | 3.10 | | 7.80 |
| 80 12 15 1155 | | .3 | 1 | 0.530 | 0.008 | 0.850 | 0.868 | 0.520 | 1.388 | 495.0 | 1.60 | | 8.10 |
| **MAXIMUM** | | | | **1.900** | **0.026** | **0.850** | **0.868** | **1.790** | **2.178** | **495.0** | **4.90** | **9.200** | **8.10** |
| **ARITH MEAN** | | | | **0.838** | **0.011** | **0.182** | **0.263** | **0.769** | **1.032** | **277.9** | **3.06** | **8.600** | **7.95** |
| **GEOM MEAN** | | | | **0.704** | **0.009** | **0.100** | **0.215** | **0.644** | **0.908** | **262.7** | **2.83** | **8.579** | **7.95** |
| **MINIMUM** | | | | **0.170** | **0.002** | **0.020** | **0.108** | **0.140** | **0.248** | **165.0** | **1.60** | **8.000** | **7.80** |
| **STD DEV** | | | | **0.488** | **0.007** | **0.230** | **0.210** | **0.482** | **0.515** | **106.8** | **1.17** | **0.849** | **0.21** |
| **NO OF SAMPLES** | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **2** | **2** |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **NAPANEE RIVER**
SAMPLE POINT: **MINK BRIDGE UPSTREAM FROM HIGHWAY 401**
STATION TYPE: **RIVER FLOW GAUGE FED 02HM001**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **NAPANEE RIVER**

STATION ID: **17-0636-002-02**
STORET CODE: **02**
**004**
**0070**

LAT: LONG: U T M: **18 0346110.0 4904300.0 4** REGION: **04** DISTANCE: **14.000**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 08 1050 | | | .3 | 1 | 17753 | 6 | | | 1.0 | 5.0 | 1.2 | 0.016 | 0.004 | 0.020 |
| 80 02 04 0930 | | | .3 | 1 | 17758 | 6 | | | 0.0 | 12.0 | 1.4 | 0.014 | 0.002 | 0.010< |
| 80 03 03 1010 | | | .3 | 1 | 17763 | 6 | | | 0.0 | 1.0 | 2.6 | 0.084 | 0.002< | 0.010< |
| 80 04 01 1000 | | | .3 | 1 | 17766 | 8 | 4 | | | | 1.2 | 0.032 | 0.004 | 0.010 |
| 80 05 29 1015 | | | .3 | 1 | 17771 | 0 3 | 368 | 212 | 11.5 | 9.0 | 0.6 | 0.032 | 0.004 | 0.010 |
| 80 06 09 1020 | | | .3 | 1 | 17776 | 6 | 2200 | 256 | 16.5 | 3.0 | 1.3 | 0.030 | 0.006 | 0.060 |
| 80 07 02 0940 | | | .3 | 1 | 17781 | 6 | 910 | 140 | 21.0 | 3.0 | 0.4 | 0.036 | 0.015 | 0.090 |
| 80 08 05 1030 | | | .3 | 1 | 17787 | 6 | 260 | 16 | 24.0 | 4.0 | 0.5 | 0.036 | 0.018 | 0.050 |
| 80 09 10 1000 | | | .3 | 1 | 17791 | 8 | 600 | 40 | | | 0.3 | 0.032 | 0.008 | 0.050 |
| 80 10 07 1020 | | | .3 | 1 | 17796 | 8 | | | | | 0.6 | 0.020 | 0.006 | 0.050 |
| 80 11 04 1400 | | | .3 | 1 | 17801 | 8 | 24 | 32 | | | | | | |
| 80 12 15 1130 | | | .3 | 1 | 17806 | 8 | 24 | 16 | | | 1.6 | 0.030 | 0.004 | 0.010 |
| MAXIMUM | | | | | | | 2200 | 256 | 24.0 | 12.0 | 2.6 | 0.084 | 0.018 | 0.090 |
| ARITH MEAN | | | | | | | 549 | 102 | 10.6 | 5.3 | 1.1 | 0.033 | 0.007L | 0.034L |
| GEOM MEAN | | | | | | | 151 | 59 | 5.1 | 4.1 | 0.9 | 0.029 | 0.006L | 0.024L |
| MINIMUM | | | | | | | 4 | 16 | 0.0 | 1.0 | 0.3 | 0.014 | 0.002< | 0.010< |
| STD DEV | | | | | | | 739 | 101 | 10.3 | 3.9 | 0.7 | 0.019 | 0.005L | 0.028L |
| NO OF SAMPLES | | | | | | | 8 | 7 | 7 | 7 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ. | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 01 08 1050 | | | .3 | 1 | 0.750 | 0.006 | 0.130 | 0.156 | 0.730 | 0.886 | 2.0 | 182.000 | 280.0 | 1.60 |
| 80 02 04 0930 | | | .3 | 1 | 0.370 | 0.006 | 0.070 | 0.086 | 0.360 | 0.446 | 2.0 | 166.000 | 255.0 | 2.30 |
| 80 03 03 1010 | | | .3 | 1 | 0.610 | 0.012 | 0.110 | 0.132 | 0.600 | 0.732 | | | 275.0 | 6.00 |
| 80 04 01 1000 | | | .3 | 1 | 0.400 | 0.006 | 0.210 | 0.226 | 0.390 | 0.616 | | | 155.0 | 3.10 |
| 80 05 29 1015 | | | .3 | 1 | 0.610 | 0.004 | 0.200 | 0.214 | 0.600 | 0.814 | | | 235.0 | 3.00 |
| 80 06 09 1020 | | | .3 | 1 | 0.650 | 0.008 | 0.050 | 0.118 | 0.590 | 0.708 | | | 235.0 | 2.90 |
| 80 07 02 0940 | | | .3 | 1 | 0.680 | 0.006 | 0.030 | 0.126 | 0.590 | 0.716 | | | 185.0 | 1.80 |
| 80 08 05 1030 | | | .3 | 1 | 0.490 | 0.002 | 0.040 | 0.092 | 0.440 | 0.532 | | | 200.0 | 1.80 |
| 80 09 10 1000 | | | .3 | 1 | 0.420 | 0.002 | 0.020< | 0.072 | 0.370 | 0.442 | | | 190.0 | 2.40 |
| 80 10 07 1020 | | | .3 | 1 | 0.630 | 0.008 | 0.020< | 0.078 | 0.580 | 0.658 | | | 215.0 | 1.50 |
| 80 12 15 1130 | | | .3 | 1 | 0.900 | 0.006 | 0.190 | 0.206 | 0.890 | 1.096 | | | 300.0 | 1.90 |
| MAXIMUM | | | | | 0.900 | 0.012 | 0.210 | 0.226 | 0.890 | 1.096 | 2.0 | 182.000 | 300.0 | 6.00 |
| ARITH MEAN | | | | | 0.592 | 0.006 | 0.097L | 0.137 | 0.558 | 0.695 | 2.0 | 174.000 | 229.5 | 2.57 |
| GEOM MEAN | | | | | 0.572 | 0.006 | 0.070L | 0.127 | 0.537 | 0.671 | 2.0 | 173.816 | 225.4 | 2.37 |
| MINIMUM | | | | | 0.370 | 0.002 | 0.020< | 0.072 | 0.360 | 0.442 | 2.0 | 166.000 | 155.0 | 1.50 |
| STD DEV | | | | | 0.161 | 0.003 | 0.075L | 0.066 | 0.162 | 0.183 | 0.0 | 11.314 | 45.2 | 1.27 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 2 | 2 | 11 | 11 |

| TEST-NAME: | | | | | CLIDUR | PH |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 08 1050 | | | .3 | 1 | 9.200 | |
| 80 02 04 0930 | | | .3 | 1 | 7.000 | |
| 80 03 03 1010 | | | .3 | 1 | 6.500 | |
| 80 04 01 1000 | | | .3 | 1 | 4.500 | |
| 80 05 29 1015 | | | .3 | 1 | 5.300 | |
| 80 06 09 1020 | | | .3 | 1 | 6.300 | |
| 80 07 02 0940 | | | .3 | 1 | 5.300 | |
| 80 08 05 1030 | | | .3 | 1 | 5.500 | |
| 80 09 10 1000 | | | .3 | 1 | 5.000 | |
| 80 10 07 1020 | | | .3 | 1 | 7.500 | |
| 80 12 15 1130 | | | .3 | 1 | 6.800 | 8.10 |
| MAXIMUM | | | | | 9.200 | 8.10 |
| ARITH MEAN | | | | | 6.264 | 8.10 |
| GEOM MEAN | | | | | 6.140 | |
| MINIMUM | | | | | 4.500 | 8.10 |
| STD DEV | | | | | 1.348 | |
| NO OF SAMPLES | | | | | 11 | 1 |

B.O.W./ SITE: **NAPANEE RIVER**
SAMPLE POINT: **AT BRIDGE IN TOWN OF NEWBURGH**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **LAKE ONTARIO**
TERM STREAM: **NAPANEE RIVER**

STATION ID: **17-0035-004-02**
STORET CODE: **02**
**004**
**0070**

LAT: LONG: U T M: **18 0350450.0 4908300.0 4** REGION: **04** DISTANCE: **22.530**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 08 1030 | | | .3 | 1 | 17754 | 6 | | | 0.0 | 4.0 | 0.8 | 0.036 | 0.004 | 0.020 |
| 80 02 04 0900 | | | .3 | 1 | 17759 | 6 | | | 0.0 | 9.0 | 1.6 | 0.008 | 0.002 | 0.010 |
| 80 03 03 1000 | | | .3 | 1 | 17760 | 6 | | | 0.0 | 3.0 | 0.2 | 0.022 | 0.002 | 0.060 |
| 80 04 01 0930 | | | .3 | 1 | 17765 | 8 | 4< | | | | 1.4 | 0.036 | 0.004 | 0.010 |
| 80 05 29 1000 | | | .3 | 1 | 17770 | 0 3 | 388 | 520 | 12.0 | 10.0 | 0.4 | 0.030 | 0.008 | 0.040 |
| 80 06 09 1000 | | | .3 | 1 | 17775 | 6 | 36 | 188 | 16.0 | 3.0 | 0.9 | 0.026 | 0.014 | 0.050 |
| 80 07 02 1010 | | | .3 | 1 | 17780 | 6 | 100 | 180 | 22.0 | 4.0 | 0.1< | 0.026 | 0.010 | 0.030 |
| 80 08 05 1045 | | | .3 | 1 | 17788 | 6 | 124 | 76 | 24.0 | 5.0 | 0.5 | 0.034 | 0.018 | 0.020 |
| 80 09 10 0930 | | | .3 | 1 | 17790 | 8 | 132 | 236 | | | 0.1< | 0.030 | 0.006 | 0.030 |
| 80 10 07 1000 | | | .3 | 1 | 17795 | 8 | | | | | 0.4 | 0.016 | 0.012 | 0.030 |
| 80 11 04 1345 | | | .3 | 1 | 17800 | 8 | 4< | 12 | | | | | | |
| 80 12 15 1125 | | | .3 | 1 | 17805 | 8 | 16 | 20 | | | 1.2 | 0.064 | 0.048 | 0.090 |
| MAXIMUM | | | | | | | 388 | 520 | 24.0 | 10.0 | 1.6 | 0.064 | 0.048 | 0.090 |
| ARITH MEAN | | | | | | | 100L | 176 | 10.6 | 5.4 | 0.7L | 0.030 | 0.012 | 0.035 |
| GEOM MEAN | | | | | | | 39L | 96 | 5.2 | 4.9 | 0.5L | 0.027 | 0.008 | 0.029 |
| MINIMUM | | | | | | | 4< | 12 | 0.0 | 3.0 | 0.1< | 0.008 | 0.002 | 0.010 |
| STD DEV | | | | | | | 128L | 176 | 10.6 | 2.9 | 0.5L | 0.014 | 0.013 | 0.024 |
| NO OF SAMPLES | | | | | | | 8 | 7 | 7 | 7 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 01 08 1030 | | | .3 | 1 | 0.670 | 0.004 | 0.100 | 0.124 | 0.650 | 0.774 | 2.0 | 176.000 | 270.0 | 1.80 |
| 80 02 04 0900 | | | .3 | 1 | 0.400 | 0.004 | 0.080 | 0.094 | 0.390 | 0.484 | 2.0 | 162.000 | 250.0 | 1.30 |
| 80 03 03 1000 | | | .3 | 1 | 0.550 | 0.006 | 0.110 | 0.176 | 0.490 | 0.666 | | | 265.0 | 2.20 |
| 80 04 01 0930 | | | .3 | 1 | 0.410 | 0.006 | 0.210 | 0.226 | 0.400 | 0.626 | | | 150.0 | 3.10 |
| 80 05 29 1000 | | | .3 | 1 | 0.520 | 0.004 | 0.160 | 0.204 | 0.480 | 0.684 | | | 225.0 | 3.10 |
| 80 06 09 1000 | | | .3 | 1 | 0.560 | 0.006 | 0.070 | 0.126 | 0.510 | 0.636 | | | 210.0 | 1.40 |
| 80 07 02 1010 | | | .3 | 1 | 0.630 | 0.005 | 0.080 | 0.115 | 0.600 | 0.715 | | | 160.0 | 1.40 |
| 80 08 05 1045 | | | .3 | 1 | 0.530 | 0.002 | 0.020 | 0.042 | 0.510 | 0.552 | | | 180.0 | 1.80 |
| 80 09 10 0930 | | | .3 | 1 | 0.520 | 0.002 | 0.020 | 0.052 | 0.490 | 0.542 | | | 165.0 | 3.30 |
| 80 10 07 1000 | | | .3 | 1 | 0.370 | 0.008 | 0.050 | 0.088 | 0.340 | 0.428 | | | 185.0 | 1.00 |
| 80 12 15 1125 | | | .3 | 1 | 0.810 | 0.004 | 0.220 | 0.314 | 0.720 | 1.034 | | | 280.0 | 1.90 |
| MAXIMUM | | | | | 0.810 | 0.008 | 0.220 | 0.314 | 0.720 | 1.034 | 2.0 | 176.000 | 280.0 | 3.30 |
| ARITH MEAN | | | | | 0.543 | 0.005 | 0.102 | 0.142 | 0.507 | 0.649 | 2.0 | 169.000 | 212.7 | 2.03 |
| GEOM MEAN | | | | | 0.529 | 0.004 | 0.079 | 0.121 | 0.498 | 0.632 | 2.0 | 168.855 | 207.8 | 1.89 |
| MINIMUM | | | | | 0.370 | 0.002 | 0.020 | 0.042 | 0.340 | 0.428 | 2.0 | 162.000 | 150.0 | 1.00 |
| STD DEV | | | | | 0.128 | 0.002 | 0.066 | 0.081 | 0.113 | 0.184 | 0.0 | 9.899 | 47.9 | 0.80 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 2 | 2 | 11 | 11 |

| TEST-NAME: | | | | | CLIDUR | PH |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 08 1030 | | | .3 | 1 | 8.000 | |
| 80 02 04 0900 | | | .3 | 1 | 6.500 | |
| 80 03 03 1000 | | | .3 | 1 | 5.800 | |
| 80 04 01 0930 | | | .3 | 1 | 3.800 | |
| 80 05 29 1000 | | | .3 | 1 | 4.800 | |
| 80 06 09 1000 | | | .3 | 1 | 5.500 | |
| 80 07 02 1010 | | | .3 | 1 | 4.000 | |
| 80 08 05 1045 | | | .3 | 1 | 4.800 | |
| 80 09 10 0930 | | | .3 | 1 | 3.800 | |
| 80 10 07 1000 | | | .3 | 1 | 6.300 | |
| 80 12 15 1125 | | | .3 | 1 | 6.500 | 8.10 |
| MAXIMUM | | | | | 8.000 | 8.10 |
| ARITH MEAN | | | | | 5.436 | 8.10 |
| GEOM MEAN | | | | | 5.288 | |
| MINIMUM | | | | | 3.800 | 8.10 |
| STD DEV | | | | | 1.340 | |
| NO OF SAMPLES | | | | | 11 | 1 |

B.O.W./ SITE: **OTTAWA RIVER**
SAMPLE POINT: **CHANNEL 1 AND 2 HAWKESBURY**
STATION TYPE: **RIVER COMPOSITE**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**

STATION ID: **18-0000-051-62**
STORET CODE: **02**
**006**

LAT: LONG: U T M: **18 0530775.0 5050925.0 4** REGION: **04** DISTANCE: **169.432**

| TEST-NAME: | | | | | SAMPLE | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N |
| 80 08 14 1030 | | | .3 | 1 | 15381 | 196 | 36 | 22.0 | 8.0 | | | | | |
| 1045 | | | .3 | 1 | 15382 | 100 | 168 | 22.0 | 8.8 | 1.1 | 0.062 | 0.014 | 0.140 | 0.670 |
| 80 09 19 1015 | | | .3 | 1 | 15383 | | | 16.0 | 10.8 | 0.5 | 0.050 | 0.016 | 0.050 | 0.310 |
| 80 10 29 1130 | | | .3 | 1 | 15385 | 276 | 264 | 0.5 | 13.4 | 0.8 | 0.044 | 0.024 | 0.020 | 0.170 |
| MAXIMUM | | | | | | 276 | 264 | 22.0 | 13.4 | 1.1 | 0.062 | 0.024 | 0.140 | 0.670 |
| ARITH MEAN | | | | | | 191 | 156 | 15.1 | 10.2 | 0.8 | 0.052 | 0.018 | 0.070 | 0.383 |
| GEOM MEAN | | | | | | 176 | 117 | 7.9 | 10.0 | 0.8 | 0.051 | 0.018 | 0.052 | 0.328 |
| MINIMUM | | | | | | 100 | 36 | 0.5 | 8.0 | 0.5 | 0.044 | 0.014 | 0.020 | 0.170 |
| STD DEV | | | | | | 88 | 114 | 10.2 | 2.4 | 0.3 | 0.009 | 0.005 | 0.062 | 0.258 |
| NO OF SAMPLES | | | | | | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |

(CONTD)

| | | | | TEST-NAME: | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 1045 | | | .3 | 1 | 0.004 | 0.140 | 0.284 | 0.530 | 0.814 | 87.0 | 5.50 | 3.000 |
| 80 09 19 1015 | | | .3 | 1 | | | | 0.260 | | 81.0 | 3.50 | |
| 80 10 29 1130 | | | .3 | 1 | 0.004 | 0.400 | 0.424 | 0.150 | 0.574 | 104.0 | 19.00 | 5.000 |
| MAXIMUM | | | | | 0.004 | 0.400 | 0.424 | 0.530 | 0.814 | 104.0 | 19.00 | 5.000 |
| ARITH MEAN | | | | | 0.004 | 0.270 | 0.354 | 0.313 | 0.694 | 90.7 | 9.33 | 4.000 |
| GEOM MEAN | | | | | 0.004 | 0.237 | 0.347 | 0.274 | 0.684 | 90.2 | 7.15 | 3.873 |
| MINIMUM | | | | | 0.004 | 0.140 | 0.284 | 0.150 | 0.574 | 81.0 | 3.50 | 3.000 |
| STD DEV | | | | | 0.000 | 0.184 | 0.099 | 0.196 | 0.170 | 11.8 | 8.43 | 1.414 |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 2 |

B.O.W./ SITE: **OTTAWA RIVER**
SAMPLE POINT: **PERLEY BRIDGE, HAWKESBURY MAIN CHANNEL**
STATION TYPE: **RIVER COMPOSITE**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**

STATION ID: **18-0000-078-03**
STORET CODE: **02**
**[illegible]**

LAT: LONG: U T M: **18 0531225.0 5051500.0 4** REGION: **04** DISTANCE: **[illegible]**

| | | | | TEST-NAME: | SAMPLE | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N |
| 80 08 14 1030 | | | .3 | 1 | 15381 | 196 | 36 | 22.0 | 8.0 | 0.8 | 0.108 | 0.002 | 0.510 | 1.600 |
| 1045 | | | .3 | 1 | 15382 | 100 | 168 | 22.0 | 8.0 | | | | | |
| 80 09 19 1025 | | | .3 | 1 | 15384 | | | 17.0 | 11.8 | 0.4 | 0.046 | 0.010 | 0.080 | 0.330 |
| 80 10 29 1100 | | | .3 | 1 | 15386 | 512 | 308 | 0.5 | 12.6 | 0.8 | 0.044 | 0.026 | 0.010 | 0.180 |
| MAXIMUM | | | | | | 512 | 308 | 22.0 | 12.6 | 0.8 | 0.108 | 0.026 | 0.510 | 1.600 |
| ARITH MEAN | | | | | | 269 | 171 | 15.4 | 10.1 | 0.7 | 0.066 | 0.013 | 0.200 | 0.703 |
| GEOM MEAN | | | | | | 216 | 123 | 8.0 | 9.9 | 0.6 | 0.060 | 0.008 | 0.074 | 0.456 |
| MINIMUM | | | | | | 100 | 36 | 0.5 | 8.0 | 0.4 | 0.044 | 0.002 | 0.010 | 0.180 |
| STD DEV | | | | | | 216 | 136 | 10.2 | 2.4 | 0.2 | 0.036 | 0.012 | 0.271 | 0.780 |
| NO OF SAMPLES | | | | | | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |

| | | | | TEST-NAME: | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 08 14 1030 | | | .3 | 1 | 0.004 | 0.140 | 0.654 | 1.090 | 1.744 | 95.0 | 6.80 | 4.000 |
| 80 09 19 1025 | | | .3 | 1 | | | | 0.250 | | 73.0 | 2.50 | |
| 80 10 29 1100 | | | .3 | 1 | 0.004 | 0.380 | 0.394 | 0.170 | 0.564 | 95.0 | 17.00 | 5.000 |
| MAXIMUM | | | | | 0.004 | 0.380 | 0.654 | 1.090 | 1.744 | 95.0 | 17.00 | 5.000 |
| ARITH MEAN | | | | | 0.004 | 0.260 | 0.524 | 0.503 | 1.154 | 87.7 | 8.77 | 4.500 |
| GEOM MEAN | | | | | 0.004 | 0.231 | 0.508 | 0.359 | 0.992 | 87.0 | 6.61 | 4.472 |
| MINIMUM | | | | | 0.004 | 0.140 | 0.394 | 0.170 | 0.564 | 73.0 | 2.50 | 4.000 |
| STD DEV | | | | | 0.000 | 0.170 | 0.184 | 0.510 | 0.834 | 12.7 | 7.46 | 0.707 |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 2 |

B.O.W./ SITE: **OTTAWA RIVER**
SAMPLE POINT: **AT CHATS FALLS [illegible] FROM P/Q SHORE**
STATION TYPE: **RIVER FLOW GAUGE FED [illegible]**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**

STATION ID: **18-0000-170-02**
STORET CODE: **02**
**[illegible]**

LAT: LONG: U T M: **18 0402450.0 5036150.0 4** REGION: **04** DISTANCE: **[illegible]**

| | | | | TEST-NAME: | SAMPLE | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 01 08 1000 | | | .3 | 1 | 16410 | 1370.000 | 0.0 | 11.0 | 0.010 | 0.006 | 0.050 | 0.350 | 0.006 | 0.170 |
| 80 02 11 1130 | | | .3 | 1 | 16416 | 1210.000 | 0.0 | 12.0 | 0.012 | 0.006 | 0.060 | 0.290 | 0.006 | 0.170 |
| 80 03 12 1130 | | | .3 | 1 | 16432 | 1070.000 | 0.0 | 12.0 | 0.012 | 0.008 | 0.050 | 0.260 | 0.004 | 0.220 |
| 80 04 09 1030 | | | .3 | 1 | 16438 | 1740.000 | 3.0 | 10.0 | 0.018 | 0.006 | 0.080 | 0.390 | 0.006 | 0.210 |
| 80 05 14 1130 | | | .3 | 1 | 16454 | 2340.000 | 12.0 | 10.0 | 0.018 | 0.004 | 0.050 | 0.310 | 0.016 | 0.120 |
| 80 06 03 1215 | | | .3 | 1 | 16465 | 1110.000 | 16.0 | 12.5 | 0.008 | 0.002< | 0.050 | 0.320 | 0.006 | 0.150 |
| 80 07 09 1310 | | | .3 | 1 | 16476 | 860.000 | 19.0 | 9.0 | 0.008 | 0.002 | 0.040 | 0.140 | 0.004 | 0.120 |
| 80 08 [illegible] 0510 | | | .3 | 1 | 16487 | 775.000 | 23.0 | 8.0 | 0.024 | 0.004 | 0.040 | 0.360 | 0.004 | 0.140 |
| 80 09 [illegible] 0520 | | | .3 | 1 | 16498 | 622.000 | 22.0 | 8.0 | 0.004 | 0.004 | 0.050 | 0.170 | 0.008 | 0.210 |
| 80 10 13 1430 | | | .3 | 1 | 16509 | 1480.000 | 10.0 | 11.0 | 0.012 | 0.006 | 0.030 | 0.210 | 0.004 | 0.280 |
| 80 11 16 1700 | | | .3 | 1 | 16520 | 1500.000 | 2.0 | 13.0 | 0.012 | 0.002 | 0.060 | 0.240 | 0.004 | 0.140 |
| MAXIMUM | | | | | | 2340.000 | 23.0 | 13.0 | 0.024 | 0.008 | 0.080 | 0.390 | 0.016 | 0.280 |
| ARITH MEAN | | | | | | 1279.727 | 9.7 | 10.6 | 0.013 | 0.004L | 0.051 | 0.276 | 0.006 | 0.175 |
| GEOM MEAN | | | | | | 1199.228 | 5.4 | 10.5 | 0.011 | 0.004L | 0.048 | 0.264 | 0.006 | 0.170 |
| MINIMUM | | | | | | 622.000 | 0.0 | 8.0 | 0.004 | 0.002< | 0.030 | 0.140 | 0.004 | 0.120 |
| STD DEV | | | | | | 487.236 | 9.2 | 1.7 | 0.006 | 0.002L | 0.013 | 0.080 | 0.004 | 0.050 |
| NO OF SAMPLES | | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

(CONTD)

B.O.W./ SITE: **OTTAWA RIVER**
SAMPLE POINT: **AT CHATS FALLS 900' FROM P/Q SHORE**
STATION TYPE: **RIVER FLOW GAUGE FED 02KF009**
MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
STATION ID: **18-0000-170-02**
STORET CODE: **02 004**
LAT: LONG: U T M: **18 0402450.0 5036150.0 4** REGION: **04** DISTANCE: **283.281**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NNTIFR ORG N TOTAL FIL.REAC MG/L | NNKUR KJELDAHL ORGANIC UNF.REAC MG/L | NNKI TOTAL N MG/L AS N | COND25 CONDUCT. 25C UMHO/CM AT 25 C | TURB TURB'ITY FTU |
|---|---|---|---|---|---|---|---|---|---|
| 80 01 08 1000 | | | .3 | 1 | 0.226 | 0.300 | 0.526 | 110.0 | 3.40 |
| 80 02 11 1130 | | | .3 | 1 | 0.236 | 0.230 | 0.466 | 100.0 | 4.10 |
| 80 03 12 1130 | | | .3 | 1 | 0.274 | 0.210 | 0.484 | 84.0 | 3.70 |
| 80 04 09 1030 | | | .3 | 1 | 0.296 | 0.310 | 0.606 | 108.0 | 2.40 |
| 80 05 14 1130 | | | .3 | 1 | 0.186 | 0.260 | 0.446 | 100.0 | 0.90 |
| 80 06 03 1215 | | | .3 | 1 | 0.206 | 0.270 | 0.476 | 240.0 | 2.00 |
| 80 07 09 1310 | | | .3 | 1 | 0.164 | 0.100 | 0.264 | 77.0 | 2.00 |
| 80 08 13 0510 | | | .3 | 1 | 0.184 | 0.320 | 0.504 | 75.0 | 1.40 |
| 80 09 04 0520 | | | .3 | 1 | 0.268 | 0.120 | 0.388 | 79.0 | 1.10 |
| 80 10 13 1430 | | | .3 | 1 | 0.314 | 0.180 | 0.494 | 74.0 | 1.80 |
| 80 11 16 1700 | | | .3 | 1 | 0.204 | 0.180 | 0.384 | 92.0 | 4.60 |
| MAXIMUM | | | | | **0.314** | **0.320** | **0.606** | **240.0** | **4.60** |
| ARITH MEAN | | | | | **0.233** | **0.225** | **0.468** | **103.5** | **2.40** |
| GEOM MEAN | | | | | **0.228** | **0.212** | **0.449** | **97.3** | **2.19** |
| MINIMUM | | | | | **0.164** | **0.100** | **0.264** | **74.0** | **0.90** |
| STD DEV | | | | | **0.049** | **0.076** | **0.088** | **47.1** | **1.26** |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 |

B.O.W./ SITE: **OTTAWA RIVER**
SAMPLE POINT: **AT CHENAUX DAM 900' FROM P/Q SHORE**
STATION TYPE: **RIVER**
MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
STATION ID: **18-0000-240-02**
STORET CODE: **02 006**
LAT: LONG: U T M: **18 0369400.0 5049999.0 4** REGION: **04** DISTANCE: **303.514**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE SAMPLE NUMBER | FCMF FECAL COLIFORM MF CNT /100ML | FSMF FECAL STREPCUS MF CNT /100ML | FWTEMP WATER TEMP DEG.C | DO DISOLVED OXYGEN MG/L AS O | PPUT PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR PO4 FIL.REAC MG/L AS P | NNHTFR NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR NO2-N FIL.REAC MG/L AS N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 06 23 1030 | | | .3 | 1 | 15420 | | | 15.0 | 10.0 | 0.016 | 0.002< | 0.030 | 0.380 | 0.004 |
| 80 07 07 0930 | | | .3 | 1 | 15422 | 28 | 16 | 18.0 | 10.0 | 0.032 | 0.010 | 0.030 | 0.320 | 0.016 |
| 80 08 11 1030 | | | .3 | 1 | 15424 | | | 23.0 | 12.0 | 0.034 | 0.008 | 0.070 | 0.390 | 0.006 |
| 80 09 08 1045 | | | .3 | 1 | 15426 | 36 | 4< | 20.0 | 9.0 | 0.030 | 0.017 | 0.020 | 0.140 | 0.006 |
| 80 10 06 1030 | | | .3 | 1 | 15428 | | | 11.0 | 13.0 | 0.020 | 0.002 | 0.030 | 0.320 | 0.006 |
| 80 11 03 1120 | | | .3 | 1 | 15430 | | | 3.0 | 15.0 | 0.004 | 0.004 | 0.030 | 0.050 | 0.008 |
| 80 12 01 1030 | | | .3 | 1 | 15432 | 920 | 188 | 2.0 | 15.0 | 0.014 | 0.006 | 0.240 | 0.200 | 0.006 |
| MAXIMUM | | | | | | **920** | **188** | **23.0** | **15.0** | **0.034** | **0.017** | **0.240** | **0.390** | **0.016** |
| ARITH MEAN | | | | | | **328** | **69L** | **13.1** | **12.0** | **0.021** | **0.007L** | **0.064** | **0.257** | **0.007** |
| GEOM MEAN | | | | | | **98** | **23L** | **9.7** | **11.8** | **0.018** | **0.006L** | **0.043** | **0.215** | **0.007** |
| MINIMUM | | | | | | **28** | **4<** | **2.0** | **9.0** | **0.004** | **0.002<** | **0.020** | **0.050** | **0.004** |
| STD DEV | | | | | | **513** | **103L** | **8.2** | **2.4** | **0.011** | **0.006L** | **0.079** | **0.129** | **0.004** |
| NO OF SAMPLES | | | | | | 3 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NNO3FR NO3-N FIL.REAC MG/L AS N | NNTIFR ORG N TOTAL FIL.REAC MG/L | NNKUR KJELDAHL ORGANIC UNF.REAC MG/L | NNKI TOTAL N MG/L AS N | COND25 CONDUCT. 25C UMHO/CM AT 25 C | TURB TURB'ITY FTU | PH PH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 06 23 1030 | | | .3 | 1 | 0.140 | 0.174 | 0.350 | 0.524 | 58.0 | 2.10 | |
| 80 07 07 0930 | | | .3 | 1 | 0.040 | 0.086 | 0.290 | 0.376 | 137.0 | 3.40 | |
| 80 08 11 1030 | | | .3 | 1 | 0.170 | 0.246 | 0.320 | 0.566 | 60.0 | 1.80 | |
| 80 09 08 1045 | | | .3 | 1 | 0.240 | 0.266 | 0.120 | 0.386 | 63.0 | 1.40 | |
| 80 10 06 1030 | | | .3 | 1 | 0.310 | 0.346 | 0.290 | 0.636 | 58.0 | 1.50 | |
| 80 11 03 1120 | | | .3 | 1 | 0.250 | 0.288 | 0.020 | 0.308 | 60.0 | 2.20 | 7.40 |
| 80 12 01 1030 | | | .3 | 1 | 0.230 | 0.476 | 0.040 | 0.436 | 68.0 | 1.50 | 7.10 |
| MAXIMUM | | | | | **0.310** | **0.476** | **0.350** | **0.636** | **137.0** | **3.40** | **7.40** |
| ARITH MEAN | | | | | **0.197** | **0.269** | **0.204** | **0.462** | **72.0** | **1.99** | **7.25** |
| GEOM MEAN | | | | | **0.170** | **0.240** | **0.137** | **0.449** | **68.5** | **1.90** | **7.25** |
| MINIMUM | | | | | **0.040** | **0.086** | **0.020** | **0.308** | **58.0** | **1.40** | **7.10** |
| STD DEV | | | | | **0.089** | **0.124** | **0.140** | **0.117** | **28.9** | **0.70** | **0.21** |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 2 |

B.O.W./ SITE: **OTTAWA RIVER**
SAMPLE POINT: **AT OTTO HOLDEN DAM 1200' FROM P/Q SHORE**
STATION TYPE: **RIVER FLOW GAUGE FED 02JE012**
MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
STATION ID: **18-0000-360-02**
STORET CODE: **02 006**
LAT: LONG: U T M: **17 0674750.0 5138400.0 4** REGION: **05** DISTANCE: **548.610**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE SAMPLE NUMBER | FWSTRC STREAM COND. | FWFLOW STREAM FLOW M3 /S | FWTEMP WATER TEMP DEG.C | DO DISOLVED OXYGEN MG/L AS O | PPUT PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR PO4 FIL.REAC MG/L AS P | NNHTFR NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR NO2-N FIL.REAC MG/L AS N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 03 30 1730 | | | .3 | 1 | 13312 | 6 | 640.000 | 1.0 | | 0.019 | 0.002 | 0.212 | 0.620 | 0.007 |
| 80 04 26 1750 | | | .3 | 1 | 13330 | 6 | 1310.000 | 5.0 | 12.0 | 0.015 | 0.001 | 0.108 | 0.570 | 0.006 |
| 80 06 01 1500 | | | .3 | 1 | 13341 | 6 | 668.000 | 11.0 | 11.0 | 0.011 | 0.002 | 0.140 | 0.460 | 0.005 |
| 80 06 22 1900 | | | .3 | 1 | 13359 | 6 | 391.000 | 13.0 | 9.0 | 0.016 | 0.001 | 0.266 | 0.680 | 0.005 |
| 80 07 12 1430 | | | .3 | 1 | 13370 | 6 | 468.000 | 17.0 | 8.0 | 0.034 | 0.004 | 0.334 | 1.090 | 0.006 |
| 80 08 03 1820 | | | .3 | 1 | 13388 | 6 | 420.000 | 22.0 | 7.0 | 0.014 | 0.002 | 0.345 | 0.840 | 0.010 |
| 80 09 01 1430 | | | .3 | 1 | 13399 | 6 | 337.000 | 21.0 | 5.0 | 0.015 | 0.002 | 0.054 | 0.490 | 0.004 |
| 80 10 05 1730 | | | .3 | 1 | 13417 | 6 | 667.000 | 7.0 | | 0.017 | 0.001< | 0.360 | 0.790 | 0.008 |
| 80 10 30 1510 | | | .3 | 1 | 13428 | 6 | 840.000 | 5.0 | | 0.020 | 0.001 | 0.302 | 0.600 | 0.006 |
| 80 11 30 1310 | | | .3 | 1 | 13446 | 6 | 732.000 | 1.0 | | 0.020 | 0.002 | 0.218 | 0.620 | 0.004 |
| MAXIMUM | | | | | | | **1310.000** | **22.0** | **12.0** | **0.034** | **0.004** | **0.360** | **1.090** | **0.010** |
| ARITH MEAN | | | | | | | **647.300** | **10.3** | **8.7** | **0.018** | **0.002L** | **0.234** | **0.676** | **0.006** |
| GEOM MEAN | | | | | | | **600.024** | **6.8** | **8.3** | **0.017** | **0.002L** | **0.204** | **0.655** | **0.006** |
| MINIMUM | | | | | | | **337.000** | **1.0** | **5.0** | **0.011** | **0.001<** | **0.054** | **0.460** | **0.004** |
| STD DEV | | | | | | | **294.827** | **7.8** | **2.6** | **0.006** | **0.001L** | **0.108** | **0.187** | **0.002** |
| NO OF SAMPLES | | | | | | | 10 | 10 | 6 | 10 | 10 | 10 | 10 | 10 |

(CONTD)

| | | | | | | TEST-NAME: NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 03 30 1730 | | | .3 | 1 | | 0.188 | 0.407 | 0.408 | 0.815 | 45.0 | 4.0 | 41.000 | 63.0 | 4.00 | 1.800 |
| 80 04 26 1750 | | | .3 | 1 | | 0.169 | 0.283 | 0.462 | 0.745 | 4.2 | 3.0 | 39.000 | 60.0 | 3.00 | 1.150 |
| 80 06 01 1500 | | | .3 | 1 | | 0.160 | 0.305 | 0.320 | 0.625 | 41.0 | 2.0 | 39.000 | 60.0 | 3.50 | 1.050 |
| 80 06 22 1900 | | | .3 | 1 | | 0.165 | 0.436 | 0.414 | 0.850 | 45.0 | 3.0 | 42.000 | 65.0 | 3.20 | 1.300 |
| 80 07 12 1430 | | | .3 | 1 | | 0.149 | 0.489 | 0.756 | 1.245 | 50.0 | 4.0 | 46.000 | 70.0 | 2.50 | 2.100 |
| 80 08 03 1820 | | | .3 | 1 | | 0.170 | 0.525 | 0.495 | 1.020 | 52.0 | 3.0 | 49.000 | 75.0 | 1.60 | 2.500 |
| 80 09 01 1430 | | | .3 | 1 | | 0.051 | 0.109 | 0.436 | 0.545 | 39.0 | 3.0 | 36.000 | 56.0 | 1.00 | 1.600 |
| 80 10 05 1730 | | | .3 | 1 | | 0.142 | 0.510 | 0.430 | 0.940 | 46.0 | 2.0 | 44.000 | 68.0 | 1.80 | 1.550 |
| 80 10 30 1510 | | | .3 | 1 | | 0.176 | 0.484 | 0.298 | 0.782 | 46.0 | 3.0 | 43.000 | 66.0 | 2.50 | 1.400 |
| 80 11 30 1310 | | | .3 | 1 | | 0.206 | 0.428 | 0.402 | 0.830 | 48.0 | 2.0 | 46.000 | 70.0 | 3.50 | 1.200 |
| | | | MAXIMUM | | | 0.206 | 0.525 | 0.756 | 1.245 | 52.0 | 4.0 | 49.000 | 75.0 | 4.00 | 2.500 |
| | | | ARITH MEAN | | | 0.168 | 0.398 | 0.442 | 0.840 | 41.6 | 2.9 | 42.500 | 65.3 | 2.66 | 1.565 |
| | | | GEOM MEAN | | | 0.160 | 0.368 | 0.429 | 0.819 | 36.9 | 2.8 | 42.336 | 65.1 | 2.47 | 1.510 |
| | | | MINIMUM | | | 0.051 | 0.109 | 0.298 | 0.545 | 4.2 | 2.0 | 36.000 | 56.0 | 1.00 | 1.050 |
| | | | STD DEV | | | 0.042 | 0.130 | 0.125 | 0.198 | 13.7 | 0.7 | 3.923 | 5.7 | 0.98 | 0.468 |
| | | | NO OF SAMPLES | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| | | | | | TEST-NAME: PH | ASUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 03 30 1730 | | | .3 | 1 | | | 0.370 | | 0.010< | 0.030< | | 0.040 | 0.020< |
| 80 06 01 1500 | | | .3 | 1 | 7.12 | | | | | | | | |
| 80 06 22 1900 | | | .3 | 1 | 6.88 | | | | | | | | |
| 80 07 12 1430 | | | .3 | 1 | 6.80 | 0.001< | 0.010< | 0.020< | 0.010< | 0.030< | 0.005< | 0.010< | 0.020< |
| 80 08 03 1820 | | | .3 | 1 | 6.92 | | 0.11 | | 0.010 | 0.006< | | 0.006 | 0.004< |
| 80 09 01 1430 | | | .3 | 1 | 6.92 | | 0.14 | | 0.003 | 0.003< | | 0.007 | 0.002< |
| 80 10 05 1730 | | | .3 | 1 | 6.33 | | | | | | | | |
| 80 10 30 1510 | | | .3 | 1 | 6.71 | | | | | | | | |
| 80 11 30 1310 | | | .3 | 1 | 7.20 | | 0.36 | | 0.001 | 0.003< | | 0.010 | 0.002 |
| | | | MAXIMUM | | 7.20 | 0.001 | 0.370 | 0.020 | 0.010 | 0.030 | 0.005 | 0.040 | 0.020 |
| | | | ARITH MEAN | | 6.86 | 0.001L | 0.19 L | 0.020L | 0.007L | 0.014L | 0.005L | 0.015L | 0.010L |
| | | | GEOM MEAN | | 6.86 | | 0.11 L | | 0.005L | 0.008L | | 0.011L | 0.006L |
| | | | MINIMUM | | 6.33 | 0.001< | 0.010< | 0.020< | 0.001< | 0.003< | 0.005< | 0.006< | 0.002< |
| | | | STD DEV | | 0.27 | | 0.16 L | | 0.004L | 0.014L | | 0.014L | 0.010L |
| | | | NO OF SAMPLES | | 8 | 1 | 5 | 1 | 5 | 5 | 1 | 5 | 5 |

B.O.W./ SITE: **KEMPTVILLE CREEK**
SAMPLE POINT: **HIGHWAY 43, KEMPTVILLE**
STATION TYPE: **RIVER FLOW GAUGE FED 02LA006**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **RIDEAU RIVER**

STATION ID: **18-0033-003-02**
STORET CODE: **02**
**006**
**1710**

LAT: LONG: U T M: **18 0449450.0 4986950.0 4** REGION: **04** DISTANCE: **56.165**

| | | | | | TEST-NAME: SAMPLE | FWSTRC | FWFLOW | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P |
| 80 01 08 0850 | | | .3 | 1 | 18000 | 4 6 | 2.120 | | | 0.0 | 6.0 | 1.8 | 0.058 | 0.032 |
| 80 02 04 0845 | | | .3 | 1 | 18021 | 4 6 | 0.768 | | | 0.0 | 7.0 | 0.6 | 0.044 | 0.021 |
| 80 03 03 0945 | | | .3 | 1 | 18042 | 4 6 | 0.350 | | | 0.0 | 6.0 | 0.2 | 0.024 | 0.014 |
| 80 04 14 0830 | | | .3 | 1 | 18063 | 6 3 | 36.000 | 20 | 16 | 5.0 | 11.0 | 0.8 | 0.026 | 0.002 |
| 80 05 12 0840 | | | .3 | 1 | 18084 | 6 | 4.840 | 48 | 40 | 11.0 | 9.0 | 1.0 | 0.016 | 0.010 |
| 80 06 09 0900 | | | .3 | 1 | 18105 | 5 8 | 0.164 | 72 | 4 | 15.0 | 6.0 | 2.0 | 0.184 | 0.116 |
| 80 07 07 0900 | | | .3 | 1 | 18126 | 7 | 0.117 | 4 | 4< | 21.0 | 2.0 | 2.6 | 0.310 | 0.260 |
| 80 08 06 0900 | | | .3 | 1 | 18136 | 7 6 | 0.160 | 44 | 8 | 24.0 | 6.0 | 0.8 | 0.090 | 0.068 |
| 80 09 08 0845 | | | .3 | 1 | 18146 | 7 5 | 0.071 | | | 19.5 | 7.0 | 2.9 | 0.420 | 0.300 |
| 80 10 06 0845 | | | .3 | 1 | 18156 | 6 | 0.295 | 4 | 8 | 11.0 | 2.0 | 3.0 | 0.260 | 0.184 |
| 80 11 04 0830 | | | .3 | 1 | 18166 | 6 | 6.790 | 32 | 64 | 4.0 | 4.0 | 0.3 | 0.040 | 0.016 |
| 80 12 08 0915 | | | .3 | 1 | 18177 | 6 4 | 8.900 | 16 | 88 | 0.0 | 7.0 | 0.6 | 0.014 | 0.008 |
| | | | MAXIMUM | | | | 36.000 | 72 | 88 | 24.0 | 11.0 | 3.0 | 0.420 | 0.300 |
| | | | ARITH MEAN | | | | 5.048 | 30 | 29L | 9.2 | 6.1 | 1.4 | 0.124 | 0.086 |
| | | | GEOM MEAN | | | | 0.924 | 20 | 16L | 6.2 | 5.5 | 1.0 | 0.067 | 0.034 |
| | | | MINIMUM | | | | 0.071 | 4 | 4< | 0.0 | 2.0 | 0.2 | 0.014 | 0.002 |
| | | | STD DEV | | | | 10.199 | 24 | 32L | 9.0 | 2.6 | 1.0 | 0.137 | 0.106 |
| | | | NO OF SAMPLES | | | | 12 | 8 | 8 | 12 | 12 | 12 | 12 | 12 |

| | | | | | TEST-NAME: NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C |
| 80 01 08 0850 | | | .3 | 1 | 0.160 | 0.860 | 0.007 | 0.413 | 0.580 | 0.700 | 1.280 | 3.0 | 282.0 | 440.0 |
| 80 02 04 0845 | | | .3 | 1 | 0.112 | 0.900 | 0.006 | 0.535 | 0.653 | 0.788 | 1.441 | 2.0 | 313.0 | 510.0 |
| 80 03 03 0945 | | | .3 | 1 | 0.090 | 0.900 | 0.008 | 0.690 | 0.788 | 0.810 | 1.598 | 3.0 | 114.0 | 580.0 |
| 80 04 14 0830 | | | .3 | 1 | 0.010 | 0.490 | 0.196 | 0.300 | 0.506 | 0.480 | 0.986 | 2.0 | 80.0 | 285.0 |
| 80 05 12 0840 | | | .3 | 1 | 0.060 | 0.520 | 0.006 | 0.110 | 0.176 | 0.460 | 0.636 | 3.0 | 218.000 | 335.0 |
| 80 06 09 0900 | | | .3 | 1 | 0.630 | 1.560 | 0.042 | 0.260 | 0.932 | 0.930 | 1.862 | 4.0 | 273.000 | 420.0 |
| 80 07 07 0900 | | | .3 | 1 | 1.050 | 0.900 | 0.260 | 0.240 | 1.550 | 0.150 | 1.400 | 1.0< | 332 | 510 |
| 80 08 06 0900 | | | .3 | 1 | 0.260 | 0.950 | 0.036 | 0.080 | 0.376 | 0.690 | 1.066 | 2.0 | 320.0 | 445.0 |
| 80 09 08 0845 | | | .3 | 1 | 0.080 | 1.100 | | 0.760 | | 1.020 | | | | 500.0 |
| 80 10 06 0845 | | | .3 | 1 | 0.860 | 1.200 | 0.088 | 0.370 | 1.318 | 0.340 | 1.658 | | | 520.0 |
| 80 11 04 0830 | | | .3 | 1 | 0.050 | 0.810 | 0.010 | 0.170 | 0.230 | 0.760 | 0.990 | | | 385.0 |
| 80 12 08 0915 | | | .3 | 1 | 0.060 | 0.540 | 0.002 | 0.180 | 0.242 | 0.480 | 0.722 | | | 400.0 |
| | | | MAXIMUM | | 1.050 | 1.560 | 0.260 | 0.760 | 1.550 | 1.020 | 1.862 | 4.0 | 332 | 580.0 |
| | | | ARITH MEAN | | 0.285 | 0.894 | 0.060 | 0.342 | 0.668 | 0.634 | 1.240 | 2.6L | 241 | 444 |
| | | | GEOM MEAN | | 0.134 | 0.847 | 0.021 | 0.278 | 0.536 | 0.571 | 1.176 | 2.3L | 217 | 436 |
| | | | MINIMUM | | 0.010 | 0.490 | 0.002 | 0.080 | 0.176 | 0.150 | 0.636 | 1.0< | 80.0 | 285.0 |
| | | | STD DEV | | 0.366 | 0.304 | 0.088 | 0.221 | 0.449 | 0.286 | 0.393 | 0.9L | 96 | 84 |
| | | | NO OF SAMPLES | | 12 | 12 | 11 | 12 | 11 | 12 | 11 | 8 | 8 | 12 |

B.O.W./ SITE: **KEMPTVILLE CREEK**
SAMPLE POINT: **HIGHWAY 43, KEMPTVILLE**
STATION TYPE: **RIVER FLOW GAUGE FED 02LA0[illegible]**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **RIDEAU RIVER**

STATION ID: **18-0033-003-02**
STORET CODE: **02**
**006**
**1710**

LAT: LONG: U T M: **18 0449450.0 4986950.0 4** REGION: **04** DISTANCE: **56.165**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TEST-NAME: TURB<br>TURB'ITY FTU | CLIDUR<br>CHLORIDE UNF.REAC MG/L AS CL | PH<br>PH |
|---|---|---|---|---|---|---|---|
| 80 01 08 0850 | | | .3 | 1 | 1.50 | 11.000 | |
| 80 02 04 0845 | | | .3 | 1 | 2.20 | 13.500 | |
| 80 03 03 0945 | | | .3 | 1 | 2.10 | 18.000 | |
| 80 04 14 0830 | | | .3 | 1 | 1.10 | 8.000 | |
| 80 05 12 0840 | | | .3 | 1 | 1.10 | 7.300 | |
| 80 06 09 0900 | | | .3 | 1 | 2.10 | 21.000 | |
| 80 07 07 0900 | | | .3 | 1 | 2.00 | 33.5 | |
| 80 08 06 0900 | | | .3 | 1 | 1.20 | 24.000 | |
| 80 09 08 0845 | | | .3 | 1 | 1.70 | 36.000 | |
| 80 10 06 0845 | | | .3 | 1 | 1.50 | 35.000 | |
| 80 11 04 0830 | | | .3 | 1 | 2.30 | 13.000 | 7.80 |
| 80 12 08 0915 | | | .3 | 1 | 1.60 | 11.000 | 7.60 |
| **MAXIMUM** | | | | | **2.30** | **36.000** | **7.80** |
| **ARITH MEAN** | | | | | **1.70** | **19.2** | **7.70** |
| **GEOM MEAN** | | | | | **1.66** | **16.7** | **7.70** |
| **MINIMUM** | | | | | **1.10** | **7.300** | **7.60** |
| **STD DEV** | | | | | **0.43** | **10.6** | **0.14** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **2** |

B.O.W./ SITE: **RIDEAU RIVER**
SAMPLE POINT: **AT OLD SLY LOCKS, SMITH FALLS**
STATION TYPE: **RIVER FLOW GAUGE FED 02LA005**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **RIDEAU RIVER**

STATION ID: **18-0033-005-02**
STORET CODE: **02**
**006**
**1710**

LAT: LONG: U T M: **18 0420575.0 4971200.0 4** REGION: **04** DISTANCE: **97.202**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TEST-NAME: SAMPLE<br>SAMPLE NUMBER | FWSTRC<br>STREAM COND. | FWFLOW<br>STREAM FLOW M3 /S | FCMF<br>FECAL COLIFORM MF CNT /100ML | FSMF<br>FECAL STREPCUS MF CNT /100ML | FWTEMP<br>WATER TEMP DEG.C | DO<br>DISOLVED OXYGEN MG/L AS O | BOD5<br>BOD 5 DAY TOT.DEM. MG/L AS O | PPUT<br>PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR<br>PO4 FIL.REAC MG/L AS P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 08 1520 | | | .3 | 1 | 18011 | 6 | 26.100 | | | 0.0 | 11.0 | 1.2 | 0.022 | 0.006 |
| 80 02 04 1520 | | | .3 | 1 | 18032 | 6 | 14.800 | | | 0.0 | 13.0 | 0.6 | 0.015 | 0.002 |
| 80 03 03 1500 | | | .3 | 1 | 18053 | 6 | 6.500 | | | 0.0 | 8.0 | 0.1< | 0.014 | 0.006 |
| 80 04 14 1515 | | | .3 | 1 | 18074 | 6 3 | 34.300 | 54 | 32 | 5.0 | 11.0 | 0.5 | 0.022 | 0.002 |
| 80 05 12 1535 | | | .3 | 1 | 18095 | 6 | | 32 | 4 | 15.0 | 7.0 | 0.9 | 0.020 | 0.002 |
| 80 06 09 1515 | | | .3 | 1 | 18116 | 6 | | 4 | 4 | 15.0 | 8.0 | 0.5 | 0.040 | 0.004 |
| **MAXIMUM** | | | | | | | **34.300** | **54** | **32** | **15.0** | **13.0** | **1.2** | **0.040** | **0.006** |
| **ARITH MEAN** | | | | | | | **20.425** | **30** | **13** | **5.8** | **9.7** | **0.6L** | **0.022** | **0.004** |
| **GEOM MEAN** | | | | | | | **17.131** | **19** | **8** | **3.2** | **9.4** | **0.5L** | **0.021** | **0.003** |
| **MINIMUM** | | | | | | | **6.500** | **4** | **4** | **0.0** | **7.0** | **0.1<** | **0.014** | **0.002** |
| **STD DEV** | | | | | | | **12.251** | **25** | **16** | **7.4** | **2.3** | **0.4L** | **0.009** | **0.002** |
| **NO OF SAMPLES** | | | | | | | **4** | **3** | **3** | **6** | **6** | **6** | **6** | **6** |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TEST-NAME: NNHTFR<br>NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR<br>K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR<br>NO2-N FIL.REAC MG/L AS N | NNO3FR<br>NO3-N FIL.REAC MG/L AS N | NNTIFR<br>ORG N TOTAL FIL.REAC MG/L | NNKUR<br>KJELDAHL ORGANIC UNF.REAC MG/L | NNKI<br>TOTAL N MG/L AS N | RSP<br>RESIDUE PARTIC. MG/L | RSF<br>RESIDUE FILTERED MG/L | COND25<br>CONDUCT. 25C UMHO/CM AT 25 C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 08 1520 | | | .3 | 1 | 0.046 | 0.440 | 0.004 | 0.111 | 0.161 | 0.394 | 0.555 | 1.0 | 163.000 | 250.0 |
| 80 02 04 1520 | | | .3 | 1 | 0.045 | 0.550 | 0.002 | 0.026 | 0.073 | 0.505 | 0.578 | 1.0 | 140.000 | 215.0 |
| 80 03 03 1500 | | | .3 | 1 | 0.090 | 0.480 | 0.002 | 0.040 | 0.132 | 0.390 | 0.522 | 1.0 | 153.000 | 235.0 |
| 80 04 14 1515 | | | .3 | 1 | 0.020 | 0.560 | 0.006 | 0.130 | 0.156 | 0.540 | 0.696 | 3.0 | 85.0 | 195.0 |
| 80 05 12 1535 | | | .3 | 1 | 0.030 | 0.520 | 0.002 | 0.020< | 0.052 | 0.490 | 0.542 | 2.0 | 127.000 | 195.0 |
| 80 06 09 1515 | | | .3 | 1 | 0.020 | 0.570 | 0.004 | 0.020 | 0.044 | 0.550 | 0.594 | 2.0 | 133.000 | 205.0 |
| **MAXIMUM** | | | | | **0.090** | **0.570** | **0.006** | **0.130** | **0.161** | **0.550** | **0.696** | **3.0** | **163.000** | **250.0** |
| **ARITH MEAN** | | | | | **0.042** | **0.520** | **0.003** | **0.058L** | **0.103** | **0.478** | **0.581** | **1.7** | **133.5** | **215.8** |
| **GEOM MEAN** | | | | | **0.036** | **0.518** | **0.003** | **0.043L** | **0.091** | **0.474** | **0.579** | **1.5** | **130.8** | **214.9** |
| **MINIMUM** | | | | | **0.020** | **0.440** | **0.002** | **0.020<** | **0.044** | **0.390** | **0.522** | **1.0** | **85.0** | **195.0** |
| **STD DEV** | | | | | **0.026** | **0.051** | **0.002** | **0.046L** | **0.053** | **0.070** | **0.062** | **0.8** | **27.1** | **22.5** |
| **NO OF SAMPLES** | | | | | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TEST-NAME: TURB<br>TURB'ITY FTU | CLIDUR<br>CHLORIDE UNF.REAC MG/L AS CL |
|---|---|---|---|---|---|---|
| 80 01 08 1520 | | | .3 | 1 | 1.30 | 7.050 |
| 80 02 04 1520 | | | .3 | 1 | 2.60 | 5.050 |
| 80 03 03 1500 | | | .3 | 1 | 1.20 | 7.500 |
| 80 04 14 1515 | | | .3 | 1 | 2.00 | 7.000 |
| 80 05 12 1535 | | | .3 | 1 | 1.50 | 5.300 |
| 80 06 09 1515 | | | .3 | 1 | 1.20 | 5.800 |
| **MAXIMUM** | | | | | **2.60** | **7.500** |
| **ARITH MEAN** | | | | | **1.63** | **6.283** |
| **GEOM MEAN** | | | | | **1.56** | **6.212** |
| **MINIMUM** | | | | | **1.20** | **5.050** |
| **STD DEV** | | | | | **0.56** | **1.030** |
| **NO OF SAMPLES** | | | | | **6** | **6** |

B.O.W./ SITE: **RIDEAU RIVER**
SAMPLE POINT: **NARROWS LOCK BRIDGE NORTH OF CROSBY**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **RIDEAU RIVER**

STATION ID: **18-0033-007-02**
STORET CODE: **02**
**006**
**1710**

LAT: LONG: U T M: **18 0397300.0 4950500.0 4** REGION: **04** DISTANCE: **132.000**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 07 1405 | | | .3 | 1 | 18018 | 6 | | | 0.0 | 10.0 | 0.8 | 0.025 | 0.001< | 0.018 |
| 80 02 05 1350 | | | .3 | 1 | 18039 | 6 | | | 0.0 | 11.0 | 0.4 | 0.022 | 0.013 | 0.018 |
| 80 03 04 1250 | | | .3 | 1 | 18060 | 6 4 | | | 0.0 | 11.0 | 0.7 | 0.024 | 0.002< | 0.040 |
| 80 04 15 1500 | | | .3 | 1 | 18081 | 6 3 | 4< | 4< | 5.0 | 12.0 | 0.3 | 0.024 | 0.004 | 0.020 |
| 80 05 13 1310 | | | .3 | 1 | 18102 | 6 | 4< | 4< | 12.0 | 10.0 | | 0.024 | 0.002< | 0.020 |
| 80 06 09 1400 | | | .3 | 1 | 18123 | 5 8 | 4 | 16 | 15.0 | 10.0 | 1.4 | 0.026 | 0.002< | 0.010 |
| MAXIMUM | | | | | | | 4 | 16 | 15.0 | 12.0 | 1.4 | 0.026 | 0.013 | 0.040 |
| ARITH MEAN | | | | | | | 4L | 8L | 5.3 | 10.7 | 0.7 | 0.024 | 0.004L | 0.021 |
| GEOM MEAN | | | | | | | 4L | 6L | 3.1 | 10.6 | 0.6 | 0.024 | 0.003L | 0.019 |
| MINIMUM | | | | | | | 4< | 4< | 0.0 | 10.0 | 0.3 | 0.022 | 0.001< | 0.010 |
| STD DEV | | | | | | | 0L | 7L | 6.7 | 0.8 | 0.4 | 0.001 | 0.005L | 0.010 |
| NO OF SAMPLES | | | | | | | 3 | 3 | 6 | 6 | 5 | 6 | 6 | 6 |

| TEST-NAME: | | | | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 01 07 1405 | | | .3 | 1 | 0.480 | 0.004 | 0.061 | 0.083 | 0.462 | 0.545 | 4.0 | 150.000 | 230.0 | 2.80 |
| 80 02 05 1350 | | | .3 | 1 | 0.460 | 0.004 | 0.053 | 0.075 | 0.442 | 0.517 | 0.7 | 148.000 | 228.0 | 1.20 |
| 80 03 04 1250 | | | .3 | 1 | 0.460 | 0.004 | 0.060 | 0.104 | 0.420 | 0.524 | 1.0 | 162.000 | 250.0 | 1.50 |
| 80 04 15 1500 | | | .3 | 1 | 0.440 | 0.006 | 0.140 | 0.166 | 0.420 | 0.586 | 1.0 | 130.0 | 220.0 | 1.20 |
| 80 05 13 1310 | | | .3 | 1 | 0.550 | 0.002 | 0.020< | 0.042 | 0.530 | 0.572 | | | | |
| 80 06 09 1400 | | | .3 | 1 | 0.380 | 0.002< | 0.020< | 0.032 | 0.370 | 0.402 | 3.0 | 143.000 | 220.0 | 1.20 |
| MAXIMUM | | | | | 0.550 | 0.006 | 0.140 | 0.166 | 0.530 | 0.586 | 4.0 | 162.000 | 250.0 | 2.80 |
| ARITH MEAN | | | | | 0.462 | 0.004L | 0.059L | 0.084 | 0.441 | 0.524 | 1.9 | 146.6 | 229.6 | 1.58 |
| GEOM MEAN | | | | | 0.459 | 0.003L | 0.047L | 0.072 | 0.438 | 0.521 | 1.6 | 146.2 | 229.3 | 1.49 |
| MINIMUM | | | | | 0.380 | 0.002< | 0.020< | 0.032 | 0.370 | 0.402 | 0.7 | 130.0 | 220.0 | 1.20 |
| STD DEV | | | | | 0.065 | 0.002L | 0.044L | 0.048 | 0.053 | 0.066 | 1.5 | 11.6 | 12.3 | 0.69 |
| NO OF SAMPLES | | | | | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 |

| TEST-NAME: | | | | | CLIDUR |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHLORIDE UNF.REAC MG/L AS CL |
| 80 01 07 1405 | | | .3 | 1 | 8.000 |
| 80 02 05 1350 | | | .3 | 1 | 8.050 |
| 80 03 04 1250 | | | .3 | 1 | 10.000 |
| 80 04 15 1500 | | | .3 | 1 | 8.500 |
| 80 06 09 1400 | | | .3 | 1 | 8.800 |
| MAXIMUM | | | | | 10.000 |
| ARITH MEAN | | | | | 8.670 |
| GEOM MEAN | | | | | 8.641 |
| MINIMUM | | | | | 8.000 |
| STD DEV | | | | | 0.814 |
| NO OF SAMPLES | | | | | 5 |

B.O.W./ SITE: **TAY RIVER**
SAMPLE POINT: **1 MILE DOWNSTREAM FROM PERTH LAGOONS**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **RIDEAU RIVER**

STATION ID: **18-0033-008-02**
STORET CODE: **02**
**006**
**1710**

LAT: LONG: U T M: **18 0405400.0 4971550.0 4** REGION: **04** DISTANCE: **114.000**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 07 0935 | | | .3 | 1 | 18013 | 4 6 | | | 0.0 | 9.0 | 1.4 | 0.068 | 0.016 | 0.162 |
| 80 02 05 0925 | | | .3 | 1 | 18034 | 6 4 | | | 0.0 | 12.0 | 0.4 | 0.074 | 0.044 | 0.237 |
| 80 03 04 0930 | | | .3 | 1 | 18055 | 4 6 | | | 0.0 | 10.0 | 0.8 | 0.076 | 0.042 | 0.310 |
| 80 04 15 1035 | | | .3 | 1 | 18076 | 6 3 | 528 | 780 | 5.0 | 11.0 | 0.2 | 0.050 | 0.020 | 0.080 |
| 80 05 13 0930 | | | .3 | 1 | 18097 | 6 | 44 | 8 | 13.0 | 9.0 | 0.6 | 0.024 | 0.010 | 0.030 |
| 80 06 09 0930 | | | .3 | 1 | 18118 | 6 8 | 24 | 40 | 14.0 | 6.0 | 1.2 | 0.052 | 0.024 | 0.050 |
| 80 07 07 1615 | | | .3 | 1 | 18134 | 7 6 | | | 24.0 | 11.0 | 3.1 | 0.034 | 0.028 | 0.050 |
| 80 08 06 1445 | | | .3 | 1 | 18144 | | 40 | 12 | | | 1.0 | 0.070 | 0.046 | 0.07 |
| 80 09 08 1505 | | | .3 | 1 | 18154 | 7 5 | | | 22.0 | 8.0 | 0.1 | 0.050 | 0.034 | 0.050 |
| 80 10 06 1445 | | | .3 | 1 | 18164 | 6 | 132 | 20 | 12.0 | 4.0 | 1.0 | 0.074 | 0.030 | 0.080 |
| 80 11 04 1515 | | | .3 | 1 | 18174 | 6 | 16 | 40 | 6.0 | 2.0 | 0.1 | 0.046 | 0.022 | 0.130 |
| 80 12 08 1445 | | | .3 | 1 | 18186 | 6 4 | 1920 | 292 | 0.0 | 6.0 | 1.0 | 0.068 | 0.042 | 0.190 |
| MAXIMUM | | | | | | | 1920 | 780 | 24.0 | 12.0 | 3.1 | 0.076 | 0.046 | 0.310 |
| ARITH MEAN | | | | | | | 386 | 170 | 8.7 | 8.0 | 0.9 | 0.057 | 0.030 | 0.12 |
| GEOM MEAN | | | | | | | 99 | 49 | 4.8 | 7.2 | 0.6 | 0.054 | 0.027 | 0.09 |
| MINIMUM | | | | | | | 16 | 8 | 0.0 | 2.0 | 0.1 | 0.024 | 0.010 | 0.030 |
| STD DEV | | | | | | | 700 | 287 | 8.9 | 3.2 | 0.8 | 0.017 | 0.012 | 0.08 |
| NO OF SAMPLES | | | | | | | 7 | 7 | 11 | 11 | 12 | 12 | 12 | 12 |

(CONTD)

B.O.W./ SITE: **TAY RIVER**
SAMPLE POINT: **1 MILE DOWNSTREAM FROM PERTH LAGOONS**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **RIDEAU RIVER**

STATION ID: **18-0033-008-02**
STORET CODE: **02**
**006**
**1710**

LAT: LONG: U T M: **18 0405400.0 4971550.0 4** REGION: **04** DISTANCE: **114.880**

| TEST-NAME: | | | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'TY FTU |
| 80 01 07 0935 | | | .3 | 1 | 0.750 | 0.003 | 0.017 | 0.182 | 0.588 | 0.770 | 3.0 | 133.000 | 205.0 | 2.30 |
| 80 02 05 0925 | | | .3 | 1 | 0.760 | 0.003 | 0.035 | 0.275 | 0.523 | 0.798 | 11.0 | 122.000 | 188.0 | 1.60 |
| 80 03 04 0930 | | | .3 | 1 | 0.550 | 0.004 | 0.100 | 0.414 | 0.240 | 0.654 | 3.0 | 140.000 | 215.0 | 2.00 |
| 80 04 15 1035 | | | .3 | 1 | 0.640 | 0.004 | 0.100 | 0.184 | 0.560 | 0.744 | 2.0 | 120.0 | 210.0 | 1.40 |
| 80 05 13 0930 | | | .3 | 1 | 0.500 | 0.004 | 0.020< | 0.054 | 0.470 | 0.524 | 2.0 | 104.000 | 160.0 | 1.50 |
| 80 06 09 0930 | | | .3 | 1 | 0.430 | 0.004 | 0.020 | 0.074 | 0.380 | 0.454 | 3.0 | 120.000 | 185.0 | 2.00 |
| 80 07 07 1615 | | | .3 | 1 | 0.260 | 0.002 | 0.020< | 0.072 | 0.210 | 0.282 | 18.0 | 101 | 155 | 1.40 |
| 80 08 06 1445 | | | .3 | 1 | 0.66 | 0.014 | 0.03 | 0.114 | 0.590 | 0.704 | 4 | 124 | 190 | 1.4 |
| 80 09 08 1505 | | | .3 | 1 | 0.590 | 0.014 | 0.020< | 0.084 | 0.540 | 0.624 | | | 180.0 | 0.70 |
| 80 10 06 1445 | | | .3 | 1 | 0.690 | 0.012 | 0.030 | 0.122 | 0.610 | 0.732 | | | 190.0 | 0.60 |
| 80 11 04 1515 | | | .3 | 1 | 0.650 | 0.006 | 0.070 | 0.206 | 0.520 | 0.726 | | | 240.0 | 1.50 |
| 80 12 08 1445 | | | .3 | 1 | 0.580 | 0.002 | 0.060 | 0.252 | 0.390 | 0.642 | | | 230.0 | 1.70 |
| MAXIMUM | | | | | 0.760 | 0.014 | 0.100 | 0.414 | 0.610 | 0.798 | 18.0 | 140.000 | 240.0 | 2.30 |
| ARITH MEAN | | | | | 0.58 | 0.006 | 0.04 L | 0.169 | 0.468 | 0.638 | 6 | 120 | 195 | 1.5 |
| GEOM MEAN | | | | | 0.56 | 0.005 | 0.03 L | 0.142 | 0.445 | 0.618 | 4 | 119 | 194 | 1.4 |
| MINIMUM | | | | | 0.260 | 0.002 | 0.017< | 0.054 | 0.210 | 0.282 | 2.0 | 101 | 155 | 0.60 |
| STD DEV | | | | | 0.14 | 0.005 | 0.03 L | 0.106 | 0.135 | 0.161 | 5 | 13 | 25 | 0.4 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 8 | 8 | 12 | 12 |

| TEST-NAME: | | | | | CLIDUR | PH |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 07 0935 | | | .3 | 1 | 7.500 | |
| 80 02 05 0925 | | | .3 | 1 | 6.500 | |
| 80 03 04 0930 | | | .3 | 1 | 9.500 | |
| 80 04 15 1035 | | | .3 | 1 | 9.500 | |
| 80 05 13 0930 | | | .3 | 1 | 4.300 | |
| 80 06 09 0930 | | | .3 | 1 | 7.000 | |
| 80 07 07 1615 | | | .3 | 1 | 5.5 | |
| 80 08 06 1445 | | | .3 | 1 | 6.8 | |
| 80 09 08 1505 | | | .3 | 1 | 6.800 | |
| 80 10 06 1445 | | | .3 | 1 | 8.500 | |
| 80 11 04 1515 | | | .3 | 1 | 11.000 | 7.70 |
| 80 12 08 1445 | | | .3 | 1 | 11.000 | 7.40 |
| MAXIMUM | | | | | 11.000 | 7.70 |
| ARITH MEAN | | | | | 7.8 | 7.55 |
| GEOM MEAN | | | | | 7.5 | 7.55 |
| MINIMUM | | | | | 4.300 | 7.40 |
| STD DEV | | | | | 2.1 | 0.21 |
| NO OF SAMPLES | | | | | 12 | 2 |

B.O.W./ SITE: **TAY RIVER**
SAMPLE POINT: **AT MARKET STREET PERTH**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **RIDEAU RIVER**

STATION ID: **18-0033-009-02**
STORET CODE: **02**
**006**
**1710**

LAT: LONG: U T M: **18 0400950.0 4971900.0 4** REGION: **04** DISTANCE: **120.537**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 07 1000 | | | .3 | 1 | 18014 | 6 | | | 0.0 | 11.0 | 0.6 | 0.019 | 0.003 | 0.028 |
| 80 02 05 0950 | | | .3 | 1 | 18035 | 6 4 | | | 0.0 | 12.0 | 0.2 | 0.013 | 0.003 | 0.036 |
| 80 03 04 0945 | | | .3 | 1 | 18056 | 4 6 | | | 0.0 | 11.0 | 0.1< | 0.016 | 0.004 | 0.070 |
| 80 04 15 1100 | | | .3 | 1 | 18077 | 6 3 | 148 | 600> | 5.0 | 10.0 | 0.4 | 0.022 | 0.006 | 0.020 |
| 80 05 13 0950 | | | .3 | 1 | 18098 | 6 | 4 | 12 | 13.0 | 9.0 | 0.7 | 0.008 | 0.002 | 0.010 |
| 80 06 09 1000 | | | .3 | 1 | 18119 | 6 8 | 76 | 8 | 14.0 | 6.0 | 0.8 | 0.032 | 0.006 | 0.030 |
| MAXIMUM | | | | | | | 148 | 600> | 14.0 | 12.0 | 0.8 | 0.032 | 0.006 | 0.070 |
| ARITH MEAN | | | | | | | 76 | 207G | 5.3 | 9.8 | 0.5L | 0.018 | 0.004 | 0.032 |
| GEOM MEAN | | | | | | | 36 | 39G | 3.1 | 9.6 | 0.4L | 0.017 | 0.004 | 0.027 |
| MINIMUM | | | | | | | 4 | 8 | 0.0 | 6.0 | 0.1< | 0.008 | 0.002 | 0.010 |
| STD DEV | | | | | | | 72 | 341G | 6.6 | 2.1 | 0.3L | 0.008 | 0.002 | 0.021 |
| NO OF SAMPLES | | | | | | | 3 | 3 | 6 | 6 | 6 | 6 | 6 | 6 |

| TEST-NAME: | | | | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'TY FTU |
| 80 01 07 1000 | | | .3 | 1 | 0.430 | 0.002 | 0.023 | 0.053 | 0.402 | 0.455 | 2.0 | 114.000 | 175.0 | 1.60 |
| 80 02 05 0950 | | | .3 | 1 | 0.430 | 0.002 | 0.022 | 0.060 | 0.394 | 0.454 | 2.0 | 105.000 | 162.0 | 1.50 |
| 80 03 04 0945 | | | .3 | 1 | 0.350 | 0.004 | 0.040 | 0.114 | 0.280 | 0.394 | 1.0 | 114.000 | 175.0 | 1.10 |
| 80 04 15 1100 | | | .3 | 1 | 0.550 | 0.004 | 0.140 | 0.164 | 0.530 | 0.694 | 5.0 | 115.0 | 195.0 | 3.40 |
| 80 05 13 0950 | | | .3 | 1 | 0.420 | 0.004 | 0.020< | 0.034 | 0.410 | 0.444 | 2.0 | 101.000 | 155.0 | 1.20 |
| 80 06 09 1000 | | | .3 | 1 | 0.410 | 0.002 | 0.020< | 0.052 | 0.380 | 0.432 | 5.0 | 104.000 | 160.0 | 1.50 |
| MAXIMUM | | | | | 0.550 | 0.004 | 0.140 | 0.164 | 0.530 | 0.694 | 5.0 | 115.0 | 195.0 | 3.40 |
| ARITH MEAN | | | | | 0.432 | 0.003 | 0.044L | 0.079 | 0.399 | 0.479 | 2.8 | 108.8 | 170.3 | 1.72 |
| GEOM MEAN | | | | | 0.428 | 0.003 | 0.032L | 0.068 | 0.393 | 0.470 | 2.4 | 108.6 | 169.8 | 1.69 |
| MINIMUM | | | | | 0.350 | 0.002 | 0.020< | 0.034 | 0.280 | 0.394 | 1.0 | 101.000 | 155.0 | 1.10 |
| STD DEV | | | | | 0.065 | 0.001 | 0.048L | 0.049 | 0.080 | 0.108 | 1.7 | 6.1 | 14.6 | 0.85 |
| NO OF SAMPLES | | | | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

(CONTD)

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CLIDUR CHLORIDE UNF.REAC MG/L AS CL |
|---|---|---|---|---|---|
| 80 01 07 1000 | | | .3 | 1 | 3.250 |
| 80 02 05 0950 | | | .3 | 1 | 2.850 |
| 80 03 04 0945 | | | .3 | 1 | 4.000 |
| 80 04 15 1100 | | | .3 | 1 | 7.000 |
| 80 05 13 0950 | | | .3 | 1 | 2.800 |
| 80 06 09 1000 | | | .3 | 1 | 3.500 |
| MAXIMUM | | | | | 7.000 |
| ARITH MEAN | | | | | 3.900 |
| GEOM MEAN | | | | | 3.694 |
| MINIMUM | | | | | 2.800 |
| STD DEV | | | | | 1.582 |
| NO OF SAMPLES | | | | | 6 |

B.O.W./ SITE: **RIDEAU RIVER**
SAMPLE POINT: **HIGHWAY 43 MERRICKVILLE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **RIDEAU RIVER**

STATION ID: **18-0033-011-02**
STORET CODE: **02**
**086**
**1716**

LAT: LONG: U T M: **18 0433800.0 4873900.0 4** REGION: **04** DISTANCE: **78.120**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE SAMPLE NUMBER | FWSTRC STREAM COND. | FCMF FECAL COLIFORM MF CNT /100ML | FSMF FECAL STREPCUS MF CNT /100ML | FWTEMP WATER TEMP DEG.C | DO DISOLVED OXYGEN MG/L AS O | BOD5 BOD 5 DAY TOT.DEM. MG/L AS O | PPUT PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR PO4 FIL.REAC MG/L AS P | NNHTFR NH3-N TOTAL FIL.REAC MG/L AS N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 08 0755 | | | .3 | 1 | 18009 | 6 | | | 0.0 | 13.0 | 0.2 | 0.023 | 0.006 | 0.044 |
| 80 02 04 0755 | | | .3 | 1 | 18030 | 6 | | | 0.0 | 11.0 | 0.4 | 0.018 | 0.001 | 0.010 |
| 80 03 03 0810 | | | .3 | 1 | 18051 | 6 | | | 0.0 | 11.0 | 0.1< | 0.020 | 0.008 | 0.070 |
| 80 04 14 1430 | | | .3 | 1 | 18072 | 6 3 | 54 | 36 | 5.0 | 11.0 | 0.8 | 0.040 | 0.004 | 0.030 |
| 80 05 12 0750 | | | .3 | 1 | 18093 | 6 | 12 | 4< | 11.0 | 9.0 | 1.4 | 0.040 | 0.004 | 0.100 |
| 80 06 09 0820 | | | .3 | 1 | 18114 | 6 | 4 | 12 | 16.0 | 8.0 | 0.9 | 0.050 | 0.010 | 0.040 |
| MAXIMUM | | | | | | | 54 | 36 | 16.0 | 13.0 | 1.4 | 0.050 | 0.010 | 0.100 |
| ARITH MEAN | | | | | | | 23 | 17L | 5.3 | 10.5 | 0.6L | 0.032 | 0.005 | 0.049 |
| GEOM MEAN | | | | | | | 14 | 12L | 3.1 | 10.4 | 0.4L | 0.030 | 0.004 | 0.039 |
| MINIMUM | | | | | | | 4 | 4< | 0.0 | 8.0 | 0.1< | 0.018 | 0.001 | 0.010 |
| STD DEV | | | | | | | 27 | 17L | 6.8 | 1.8 | 0.5L | 0.013 | 0.003 | 0.032 |
| NO OF SAMPLES | | | | | | | 3 | 3 | 6 | 6 | 6 | 6 | 6 | 6 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NNTKUR K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR NO2-N FIL.REAC MG/L AS N | NNO3FR NO3-N FIL.REAC MG/L AS N | NNTIFR ORG N TOTAL FIL.REAC MG/L | NNKUR KJELDAHL ORGANIC UNF.REAC MG/L | NNKI TOTAL N MG/L AS N | RSP RESIDUE PARTIC. MG/L | RSF RESIDUE FILTERED MG/L | COND25 CONDUCT. 25C UMHO/CM AT 25 C | TURB TURB'ITY FTU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 08 0755 | | | .3 | 1 | 0.550 | 0.005 | 0.270 | 0.319 | 0.506 | 0.825 | 0.6 | 202.000 | 310.0 | 1.80 |
| 80 02 04 0755 | | | .3 | 1 | 0.530 | 0.002 | 0.036 | 0.048 | 0.520 | 0.568 | 2.0 | 170.000 | 262.0 | 2.80 |
| 80 03 03 0810 | | | .3 | 1 | 0.610 | 0.002 | 0.060 | 0.132 | 0.540 | 0.672 | 2.0 | 182.000 | 280.0 | 1.80 |
| 80 04 14 1430 | | | .3 | 1 | 0.620 | 0.006 | 0.150 | 0.186 | 0.590 | 0.776 | 9.0 | 90.0 | 235.0 | 4.40 |
| 80 05 12 0750 | | | .3 | 1 | 0.680 | 0.004 | 0.020< | 0.124 | 0.580 | 0.704 | 7.0 | 140.000 | 215.0 | 2.40 |
| 80 06 09 0820 | | | .3 | 1 | 0.660 | 0.002 | 0.020< | 0.062 | 0.620 | 0.682 | 6.0 | 153.000 | 235.0 | 1.60 |
| MAXIMUM | | | | | 0.680 | 0.006 | 0.270 | 0.319 | 0.620 | 0.825 | 9.0 | 202.000 | 310.0 | 4.40 |
| ARITH MEAN | | | | | 0.608 | 0.003 | 0.093L | 0.145 | 0.559 | 0.704 | 4.4 | 156.2 | 256.2 | 2.47 |
| GEOM MEAN | | | | | 0.606 | 0.003 | 0.067L | 0.119 | 0.558 | 0.700 | 3.1 | 151.4 | 254.2 | 2.31 |
| MINIMUM | | | | | 0.530 | 0.002 | 0.020< | 0.048 | 0.506 | 0.568 | 0.6 | 90.0 | 215.0 | 1.60 |
| STD DEV | | | | | 0.059 | 0.002 | 0.100L | 0.099 | 0.044 | 0.089 | 3.4 | 39.0 | 34.9 | 1.05 |
| NO OF SAMPLES | | | | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CLIDUR CHLORIDE UNF.REAC MG/L AS CL |
|---|---|---|---|---|---|
| 80 01 08 0755 | | | .3 | 1 | 9.050 |
| 80 02 04 0755 | | | .3 | 1 | 6.800 |
| 80 03 03 0810 | | | .3 | 1 | 9.500 |
| 80 04 14 1430 | | | .3 | 1 | 7.000 |
| 80 05 12 0750 | | | .3 | 1 | 6.300 |
| 80 06 09 0820 | | | .3 | 1 | 6.800 |
| MAXIMUM | | | | | 9.500 |
| ARITH MEAN | | | | | 7.575 |
| GEOM MEAN | | | | | 7.481 |
| MINIMUM | | | | | 6.300 |
| STD DEV | | | | | 1.345 |
| NO OF SAMPLES | | | | | 6 |

B.O.W./SITE: **RIDEAU RIVER**
SAMPLE POINT: **AT DAM IN BLACK RAPIDS**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **RIDEAU RIVER**

STATION ID: **18-0033-012-02**
STORET CODE: **02**
**006**
**1710**

LAT: LONG: U.T.M: **18 0445450.0 5018850.0 4** REGION: **04** DISTANCE: **17.702**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 08 1125 | | .3 | 1 | 18003 | 6 | | | 0.0 | 11.0 | 1.6 | 0.030 | 0.009 | 0.054 |
| 80 02 04 1115 | | .3 | 1 | 18024 | 6 | | | 0.0 | 10.0 | 0.2 | 0.022 | 0.006 | 0.035 |
| 80 03 03 1105 | | .3 | 1 | 18045 | 6 | | | 0.0 | 10.0 | 0.4 | 0.034 | 0.004 | 0.040 |
| 80 04 14 1100 | | .3 | 1 | 18066 | 6 3 | 48 | 180 | 5.0 | 11.0 | 0.6 | 0.048 | 0.008 | 0.020 |
| 80 05 12 1050 | | .3 | 1 | 18087 | 6 | 24 | 4< | 14.0 | 10.0 | 1.5 | 0.024 | 0.002 | 0.050 |
| 80 06 09 1055 | | .3 | 1 | 18108 | 6 6 | 20 | 4< | 16.0 | 8.0 | 1.0 | 0.080 | 0.014 | 0.040 |
| MAXIMUM | | | | | | 48 | 180 | 16.0 | 11.0 | 1.6 | 0.080 | 0.014 | 0.054 |
| ARITH MEAN | | | | | | 31 | 63L | 5.8 | 10.0 | 0.9 | 0.040 | 0.007 | 0.040 |
| GEOM MEAN | | | | | | 28 | 14L | 3.2 | 9.9 | 0.7 | 0.036 | 0.006 | 0.038 |
| MINIMUM | | | | | | 20 | 4< | 0.0 | 8.0 | 0.2 | 0.022 | 0.002 | 0.020 |
| STD DEV | | | | | | 15 | 102L | 7.4 | 1.1 | 0.6 | 0.022 | 0.004 | 0.012 |
| NO OF SAMPLES | | | | | | 3 | 3 | 6 | 6 | 6 | 6 | 6 | 6 |

| TEST-NAME: | | | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURBIDITY FTU |
| 80 01 08 1125 | | .3 | 1 | 0.510 | 0.007 | 0.383 | 0.444 | 0.456 | 0.900 | 2.0 | 244.000 | 375.0 | 2.80 |
| 80 02 04 1115 | | .3 | 1 | 0.530 | 0.003 | 0.168 | 0.206 | 0.495 | 0.701 | 2.0 | 195.000 | 300.0 | 5.00 |
| 80 03 03 1105 | | .3 | 1 | 0.480 | 0.004 | 0.100 | 0.144 | 0.440 | 0.584 | 3.0 | 195.000 | 300.0 | 2.40 |
| 80 04 14 1100 | | .3 | 1 | 0.750 | 0.008 | 0.550 | 0.578 | 0.730 | 1.308 | 10.0 | 105.0 | 290.0 | 6.30 |
| 80 05 12 1050 | | .3 | 1 | 0.500 | 0.004 | 0.020 | 0.074 | 0.450 | 0.524 | 5.0 | 189.000 | 290.0 | 2.20 |
| 80 06 09 1055 | | .3 | 1 | 0.720 | 0.004 | 0.020 | 0.064 | 0.680 | 0.744 | 21.0 | 182.000 | 280.0 | 6.00 |
| MAXIMUM | | | | 0.750 | 0.008 | 0.550 | 0.578 | 0.730 | 1.308 | 21.0 | 244.000 | 375.0 | 6.30 |
| ARITH MEAN | | | | 0.582 | 0.005 | 0.207 | 0.252 | 0.542 | 0.793 | 7.2 | 185.0 | 305.8 | 4.12 |
| GEOM MEAN | | | | 0.572 | 0.005 | 0.106 | 0.182 | 0.530 | 0.757 | 4.8 | 179.5 | 304.3 | 3.76 |
| MINIMUM | | | | 0.480 | 0.003 | 0.020 | 0.064 | 0.440 | 0.524 | 2.0 | 105.0 | 280.0 | 2.20 |
| STD DEV | | | | 0.120 | 0.002 | 0.216 | 0.212 | 0.129 | 0.284 | 7.4 | 44.9 | 34.7 | 1.87 |
| NO OF SAMPLES | | | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

| TEST-NAME: | | | | CLIDUR |
|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | CHLORIDE UNF.REAC MG/L AS CL |
| 80 01 08 1125 | | .3 | 1 | 11.000 |
| 80 02 04 1115 | | .3 | 1 | 8.700 |
| 80 03 03 1105 | | .3 | 1 | 9.300 |
| 80 04 14 1100 | | .3 | 1 | 10.000 |
| 80 05 12 1050 | | .3 | 1 | 8.500 |
| 80 06 09 1055 | | .3 | 1 | 9.000 |
| MAXIMUM | | | | 11.000 |
| ARITH MEAN | | | | 9.417 |
| GEOM MEAN | | | | 9.379 |
| MINIMUM | | | | 8.500 |
| STD DEV | | | | 0.937 |
| NO OF SAMPLES | | | | 6 |

B.O.W./SITE: **JOCK RIVER**
SAMPLE POINT: **AT TWP.LINE DOWNSTREAM FROM RICHMOND**
STATION TYPE: **RIVER FLOW GAUGE FED 02LA007**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **RIDEAU RIVER**

STATION ID: **18-0033-016-02**
STORET CODE: **02**
**006**
**1710**

LAT: LONG: U.T.M: **18 0435550.0 5005100.0 4** REGION: **04** DISTANCE: **41.300**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P |
| 80 01 08 1345 | | .3 | 1 | 18006 | 4 6 | 1.760 | | | 0.0 | 4.0 | 2.2 | 0.035 | 0.010 |
| 80 02 04 1310 | | .3 | 1 | 18027 | 4 6 | 0.408 | | | 0.0 | 5.0 | 0.6 | 0.059 | 0.021 |
| 80 03 03 1320 | | .3 | 1 | 18048 | 4 6 | 0.128 | | | 0.0 | 7.0 | 1.7 | 0.056 | 0.006 |
| 80 04 14 1310 | | .3 | 1 | 18069 | 6 3 | 32.300 | 4 | 12 | 5.0 | 10.0 | 0.2 | 0.030 | 0.006 |
| 80 06 09 1300 | | .3 | 1 | 18111 | 6 8 | 0.939 | 880 | 84 | 13.0 | 9.0 | 0.9 | 0.052 | 0.006 |
| 80 07 07 1305 | | .3 | 1 | 18131 | 7 6 | 0.148 | 96 | 32 | 23.0 | 7.0 | 0.5 | 0.050 | 0.014 |
| 80 08 06 1235 | | .3 | 1 | 18141 | 7 6 | 0.145 | 92 | 400 | 26.0 | 7.0 | 0.8 | 0.046 | 0.014 |
| MAXIMUM | | | | | | 32.300 | 880 | 400 | 26.0 | 10.0 | 2.2 | 0.059 | 0.021 |
| ARITH MEAN | | | | | | 5.118 | 268 | 132 | 9.6 | 7.0 | 1.0 | 0.047 | 0.011 |
| GEOM MEAN | | | | | | 0.669 | 75 | 60 | 4.5 | 6.7 | 0.8 | 0.046 | 0.010 |
| MINIMUM | | | | | | 0.128 | 4 | 12 | 0.0 | 4.0 | 0.2 | 0.030 | 0.006 |
| STD DEV | | | | | | 12.001 | 410 | 181 | 11.2 | 2.1 | 0.7 | 0.011 | 0.006 |
| NO OF SAMPLES | | | | | | 7 | 4 | 4 | 7 | 7 | 7 | 7 | 7 |

| TEST-NAME: | | | | | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C |
| 80 01 08 1345 | | | .3 | 1 | 0.060 | 1.060 | 0.007 | 0.318 | 0.385 | 1.000 | 1.385 | 7.0 | 334.0 | 520.0 |
| 80 02 04 1310 | | | .3 | 1 | 0.157 | 1.000 | 0.009 | 0.305 | 0.471 | 0.843 | 1.314 | 11.0 | 404.0 | 620.0 |
| 80 03 03 1320 | | | .3 | 1 | 0.600 | 2.300 | 0.012 | 0.460 | 1.062 | 1.700 | 2.762 | 20.0 | 280.0 | 760.0 |
| 80 04 14 1310 | | | .3 | 1 | 0.020 | 0.550 | 0.006 | 0.170 | 0.196 | 0.530 | 0.726 | 7.0 | 135.0 | 290.0 |
| 80 06 09 1300 | | | .3 | 1 | 0.030 | 1.100 | 0.006 | 0.030 | 0.066 | 1.070 | 1.136 | 10.0 | 283.000 | 435.0 |
| 80 07 07 1305 | | | .3 | 1 | 0.050 | 1.100 | 0.004 | 0.002< | 0.056 | 1.050 | 1.106 | 8.0 | 267 | 410 |
| 80 08 06 1235 | | | .3 | 1 | 0.040 | 1.250 | 0.012 | 0.020< | 0.072 | 1.210 | 1.282 | 7.0 | 335.0 | 410.0 |
| MAXIMUM | | | | | 0.600 | 2.300 | 0.012 | 0.460 | 1.062 | 1.700 | 2.762 | 20.0 | 404.0 | 760.0 |
| ARITH MEAN | | | | | 0.137 | 1.194 | 0.008 | 0.186L | 0.330 | 1.058 | 1.387 | 10.0 | 291 | 492 |
| GEOM MEAN | | | | | 0.068 | 1.106 | 0.007 | 0.071L | 0.183 | 1.006 | 1.288 | 9.3 | 278 | 471 |
| MINIMUM | | | | | 0.020 | 0.550 | 0.004 | 0.002< | 0.056 | 0.530 | 0.726 | 7.0 | 135.0 | 290.0 |
| STD DEV | | | | | 0.208 | 0.536 | 0.003 | 0.177L | 0.362 | 0.367 | 0.644 | 4.7 | 83 | 156 |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| TEST-NAME: | | | | | TURB | CLIDUR |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 01 08 1345 | | | .3 | 1 | 2.50 | 17.000 |
| 80 02 04 1310 | | | .3 | 1 | 6.50 | 27.500 |
| 80 03 03 1320 | | | .3 | 1 | 14.00 | 48.000 |
| 80 04 14 1310 | | | .3 | 1 | 3.80 | 8.800 |
| 80 06 09 1300 | | | .3 | 1 | 4.40 | 13.000 |
| 80 07 07 1305 | | | .3 | 1 | 3.40 | 15.0 |
| 80 08 06 1235 | | | .3 | 1 | 3.40 | 12.300 |
| MAXIMUM | | | | | 14.00 | 48.000 |
| ARITH MEAN | | | | | 5.43 | 20.2 |
| GEOM MEAN | | | | | 4.61 | 17.3 |
| MINIMUM | | | | | 2.50 | 8.800 |
| STD DEV | | | | | 3.98 | 13.6 |
| NO OF SAMPLES | | | | | 7 | 7 |

B.O.W./ SITE: **JOCK RIVER**
SAMPLE POINT: **AT QUEEN STREET RICHMOND**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **RIDEAU RIVER**

STATION ID: **18-0033-017-02**
STORET CODE: **02**
**006**
**1710**

LAT: LONG: U T M: **18 0434550.0 5004100.0 4** REGION: **04** DISTANCE: **44.250**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 08 1410 | | | .3 | 1 | 18007 | 4 6 | | | 0.0 | 4.0 | 1.4 | 0.029 | 0.008 | 0.046 |
| 80 02 04 1330 | | | .3 | 1 | 18028 | 4 6 | | | 0.0 | 5.0 | 0.6 | 0.032 | 0.011 | 0.144 |
| 80 03 03 1350 | | | .3 | 1 | 18049 | 4 6 | | | 0.0 | 6.0 | 0.6 | 0.046 | 0.020 | 0.370 |
| 80 04 14 1320 | | | .3 | 1 | 18070 | 6 3 | 4 | 20 | 5.0 | 10.0 | 0.2 | 0.018 | 0.006 | 0.020 |
| 80 05 12 1345 | | | .3 | 1 | 18091 | 6 | 8 | 4< | 14.0 | 9.0 | 1.0 | 0.022 | 0.004 | 0.020 |
| 80 06 09 1315 | | | .3 | 1 | 18112 | 6 8 | 52 | 1080 | 13.0 | 9.0 | 0.6 | 0.032 | 0.004 | 0.010 |
| 80 07 07 1320 | | | .3 | 1 | 18132 | 8 6 | | | 24.0 | 7.0 | 2.5 | 0.078 | 0.012 | 0.013 |
| 80 08 06 1300 | | | .3 | 1 | 18142 | 9 6 7 | 28 | 4 | 26.0 | 9.0 | 0.8 | 0.034 | 0.006 | 0.040 |
| 80 09 08 1300 | | | .3 | 1 | 18152 | 7 6 | | | 21.0 | 8.0 | 0.5 | 0.034 | 0.008 | 0.070 |
| 80 10 06 1300 | | | .3 | 1 | 18162 | 6 | 32 | 16 | 11.0 | 3.0 | 0.8 | 0.010 | 0.002 | 0.020 |
| 80 11 04 1300 | | | .3 | 1 | 18172 | 6 | 8 | 4 | 4.0 | 5.0 | 0.1 | 0.016 | 0.002 | 0.020 |
| 80 12 08 1215 | | | .3 | 1 | 18184 | 6 4 | 4< | 16 | 0.0 | 5.0 | 0.6 | 0.024 | 0.008 | 0.030 |
| MAXIMUM | | | | | | | 52 | 1080 | 26.0 | 10.0 | 2.5 | 0.078 | 0.020 | 0.370 |
| ARITH MEAN | | | | | | | 19L | 163L | 9.8 | 6.7 | 0.8 | 0.031 | 0.008 | 0.067 |
| GEOM MEAN | | | | | | | 13L | 17L | 6.3 | 6.3 | 0.6 | 0.028 | 0.006 | 0.036 |
| MINIMUM | | | | | | | 4< | 4< | 0.0 | 3.0 | 0.1 | 0.010 | 0.002 | 0.010 |
| STD DEV | | | | | | | 18L | 404L | 9.8 | 2.3 | 0.6 | 0.018 | 0.005 | 0.102 |
| NO OF SAMPLES | | | | | | | 7 | 7 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 01 08 1410 | | | .3 | 1 | 0.820 | 0.006 | 0.259 | 0.311 | 0.774 | 1.085 | 3.0 | 330.0 | 510.0 | 2.30 |
| 80 02 04 1330 | | | .3 | 1 | 0.990 | 0.007 | 0.221 | 0.372 | 0.846 | 1.218 | 4.0 | 378.0 | 590.0 | 5.40 |
| 80 03 03 1350 | | | .3 | 1 | 1.250 | 0.012 | 0.450 | 0.832 | 0.880 | 1.712 | 1.7 | 280.0 | 680.0 | 8.50 |
| 80 04 14 1320 | | | .3 | 1 | 0.540 | 0.004 | 0.100 | 0.124 | 0.520 | 0.644 | 1.0 | 125.0 | 275.0 | 1.20 |
| 80 05 12 1345 | | | .3 | 1 | 0.720 | 0.004 | 0.020< | 0.044 | 0.700 | 0.744 | 2.0 | 228.000 | 350.0 | 1.20 |
| 80 06 09 1315 | | | .3 | 1 | 1.150 | 0.004 | 0.020< | 0.034 | 1.140 | 1.174 | 2.0 | 260.000 | 400.0 | 1.20 |
| 80 07 07 1320 | | | .3 | 1 | 0.085 | 0.014 | 0.006 | 0.033 | 0.082 | 0.115 | 50.0 | 156 | 240 | 9.00 |
| 80 08 06 1300 | | | .3 | 1 | 1.250 | 0.004 | 0.020< | 0.064 | 1.210 | 1.274 | 2.0 | 335.0 | 400.0 | 1.30 |
| 80 09 08 1300 | | | .3 | 1 | 1.500 | | 0.120 | | 1.430 | | | | 375.0 | 1.00 |
| 80 10 06 1300 | | | .3 | 1 | 0.850 | 0.008 | 0.030 | 0.058 | 0.830 | 0.888 | | | 420.0 | 0.60 |
| 80 11 04 1300 | | | .3 | 1 | 0.820 | 0.006 | 0.130 | 0.156 | 0.800 | 0.956 | | | 380.0 | 1.40 |
| 80 12 08 1215 | | | .3 | 1 | 0.280 | 0.006 | 0.690 | 0.726 | 0.250 | 0.976 | | | 530.0 | 2.40 |
| MAXIMUM | | | | | 1.500 | 0.014 | 0.690 | 0.832 | 1.430 | 1.712 | 50.0 | 378.0 | 680.0 | 9.00 |
| ARITH MEAN | | | | | 0.855 | 0.007 | 0.172L | 0.260 | 0.788 | 0.981 | 8.2 | 261 | 429 | 2.96 |
| GEOM MEAN | | | | | 0.708 | 0.006 | 0.078L | 0.134 | 0.646 | 0.844 | 3.1 | 246 | 412 | 2.01 |
| MINIMUM | | | | | 0.085 | 0.004 | 0.006< | 0.033 | 0.082 | 0.115 | 1.0 | 125.0 | 240 | 0.60 |
| STD DEV | | | | | 0.411 | 0.003 | 0.208L | 0.286 | 0.381 | 0.407 | 16.9 | 86 | 127 | 2.86 |
| NO OF SAMPLES | | | | | 12 | 11 | 12 | 11 | 12 | 11 | 8 | 8 | 12 | 12 |

(CONTD)

B.O.W./ SITE: **JOCK RIVER**
SAMPLE POINT: **AT QUEEN STREET RICHMOND**
STATION TYPE: **RIVER**
MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **RIDEAU RIVER**
STATION ID: **18-0033-017-02**
STORET CODE: **02**
**006**
**1710**
LAT:
LONG:
U T M: **18 0434550.0 5004100.0 4**
REGION: **04**
DISTANCE: **44.288**

| SAMP DTE YR MO DY | HOUR LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CLIDUR<br>CHLORIDE UNF.REAC MG/L AS CL | PH<br>PH |
|---|---|---|---|---|---|---|---|
| 80 01 08 | 1410 | | | .3 | 1 | 14.000 | |
| 80 02 04 | 1330 | | | .3 | 1 | 17.500 | |
| 80 03 03 | 1350 | | | .3 | 1 | 24.000 | |
| 80 04 14 | 1320 | | | .3 | 1 | 7.500 | |
| 80 05 12 | 1345 | | | .3 | 1 | 9.500 | |
| 80 06 09 | 1315 | | | .3 | 1 | 8.300 | |
| 80 07 07 | 1320 | | | .3 | 1 | 10.0 | |
| 80 08 06 | 1300 | | | .3 | 1 | 21.000 | |
| 80 09 08 | 1300 | | | .3 | 1 | 12.000 | |
| 80 10 06 | 1300 | | | .3 | 1 | 12.000 | |
| 80 11 04 | 1300 | | | .3 | 1 | 6.300 | 8.10 |
| 80 12 03 | 1215 | | | .3 | 1 | 18.000 | 7.50 |
| MAXIMUM | | | | | | 24.000 | 8.10 |
| ARITH MEAN | | | | | | 13.3 | 7.80 |
| GEOM MEAN | | | | | | 12.2 | 7.79 |
| MINIMUM | | | | | | 6.300 | 7.50 |
| STD DEV | | | | | | 5.6 | 0.42 |
| NO OF SAMPLES | | | | | | 12 | 2 |

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B.O.W./ SITE: **RIDEAU RIVER**
SAMPLE POINT: **AT BURRITT RAPIDS BRIDGE**
STATION TYPE: **RIVER**
MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **RIDEAU RIVER**
STATION ID: **18-0033-018-02**
STORET CODE: **02**
**006**
**1710**
LAT:
LONG:
U T M: **18 0437075.0 4981100.0 4**
REGION: **04**
DISTANCE: **67.881**

| SAMP DTE YR MO DY | HOUR LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE<br>SAMPLE NUMBER | FWSTRC<br>STREAM COND. | FWTEMP<br>WATER TEMP DEG.C | DO<br>DISOLVED OXYGEN MG/L AS O | BOD5<br>BOD 5 DAY TOT.DEM. MG/L AS O | PPUT<br>PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR<br>PO4 FIL.REAC MG/L AS P | NNHTFR<br>NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR<br>K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR<br>NO2-N FIL.REAC MG/L AS N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 08 | 0825 | | | .3 | 1 | 18008 | 6 | 0.0 | 10.0 | 1.0 | 0.025 | 0.006 | 0.048 | 0.630 | 0.005 |
| 80 02 04 | 0815 | | | .3 | 1 | 18029 | 6 | 0.0 | 12.0 | 0.4 | 0.016 | 0.002 | 0.016 | 0.480 | 0.002 |
| 80 04 14 | 1400 | | | .3 | 1 | 18071 | 6 3 | 5.0 | 12.0 | 0.6 | 0.034 | 0.004 | 0.030 | 0.620 | 0.006 |
| MAXIMUM | | | | | | | | 5.0 | 12.0 | 1.0 | 0.034 | 0.006 | 0.048 | 0.630 | 0.006 |
| ARITH MEAN | | | | | | | | 1.7 | 11.3 | 0.7 | 0.025 | 0.004 | 0.031 | 0.577 | 0.004 |
| GEOM MEAN | | | | | | | | 1.7 | 11.3 | 0.6 | 0.024 | 0.004 | 0.028 | 0.572 | 0.004 |
| MINIMUM | | | | | | | | 0.0 | 10.0 | 0.4 | 0.016 | 0.002 | 0.016 | 0.480 | 0.002 |
| STD DEV | | | | | | | | 2.9 | 1.2 | 0.3 | 0.009 | 0.002 | 0.016 | 0.084 | 0.002 |
| NO OF SAMPLES | | | | | | | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| SAMP DTE YR MO DY | HOUR LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NNO3FR<br>NO3-N FIL.REAC MG/L AS N | NNTIFR<br>ORG N TOTAL FIL.REAC MG/L | NNKUR<br>KJELDAHL ORGANIC UNF.REAC MG/L | NNKI<br>TOTAL N MG/L AS N | RSP<br>RESIDUE PARTIC. MG/L | RSF<br>RESIDUE FILTERED MG/L | COND25<br>CONDUCT. 25C UMHO/CM AT 25 C | TURB<br>TURB'ITY FTU | CLIDUR<br>CHLORIDE UNF.REAC MG/L AS CL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 08 | 0825 | | | .3 | 1 | 0.370 | 0.423 | 0.582 | 1.005 | 2.0 | 211.000 | 325.0 | 2.10 | 9.400 |
| 80 02 04 | 0815 | | | .3 | 1 | 0.055 | 0.073 | 0.464 | 0.537 | 2.0 | 172.000 | 265.0 | 3.00 | 6.750 |
| 80 04 14 | 1400 | | | .3 | 1 | 0.170 | 0.206 | 0.590 | 0.796 | 9.0 | 80.0 | 235.0 | 4.20 | 7.000 |
| MAXIMUM | | | | | | 0.370 | 0.423 | 0.590 | 1.005 | 9.0 | 211.000 | 325.0 | 4.20 | 9.400 |
| ARITH MEAN | | | | | | 0.198 | 0.234 | 0.545 | 0.779 | 4.3 | 154.3 | 275.0 | 3.10 | 7.717 |
| GEOM MEAN | | | | | | 0.151 | 0.185 | 0.542 | 0.755 | 3.3 | 142.6 | 272.6 | 2.98 | 7.630 |
| MINIMUM | | | | | | 0.055 | 0.073 | 0.464 | 0.537 | 2.0 | 80.0 | 235.0 | 2.10 | 6.750 |
| STD DEV | | | | | | 0.159 | 0.177 | 0.071 | 0.234 | 4.0 | 67.2 | 45.8 | 1.06 | 1.483 |
| NO OF SAMPLES | | | | | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

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B.O.W./ SITE: **RIDEAU RIVER**
SAMPLE POINT: **AT BRIDGE IN RIDEAU FERRY**
STATION TYPE: **RIVER**
MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **RIDEAU RIVER**
STATION ID: **18-0033-019-02**
STORET CODE: **02**
**006**
**1710**
LAT:
LONG:
U T M: **18 0409850.0 4966400.0 4**
REGION: **04**
DISTANCE: **111.280**

| SAMP DTE YR MO DY | HOUR LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE<br>SAMPLE NUMBER | FWSTRC<br>STREAM COND. | FCMF<br>FECAL COLIFORM MF CNT /100ML | FSMF<br>FECAL STREPCUS MF CNT /100ML | FWTEMP<br>WATER TEMP DEG.C | DO<br>DISOLVED OXYGEN MG/L AS O | BOD5<br>BOD 5 DAY TOT.DEM. MG/L AS O | PPUT<br>PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR<br>PO4 FIL.REAC MG/L AS P | NNHTFR<br>NH3-N TOTAL FIL.REAC MG/L AS N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 07 | 0900 | | | .3 | 1 | 18012 | 4 6 | | | 0.0 | 10.0 | 1.6 | 0.045 | 0.009 | 0.060 |
| 80 02 05 | 0855 | | | .3 | 1 | 18033 | 6 4 | | | 0.0 | 13.0 | 0.8 | 0.027 | 0.006 | 0.019 |
| 80 03 04 | 0855 | | | .3 | 1 | 18054 | 4 6 | | | 0.0 | 7.0 | 1.8 | 0.028 | 0.002< | 0.030 |
| 80 04 15 | 0950 | | | .3 | 1 | 18075 | 6 3 | 4< | 16 | 4.0 | 13.0 | 0.8 | 0.018 | 0.002 | 0.050 |
| 80 05 13 | 0845 | | | .3 | 1 | 18096 | 6 | 4< | 4< | 11.0 | 11.0 | 0.8 | 0.020 | 0.012 | 0.020 |
| 80 06 09 | 0855 | | | .3 | 1 | 18117 | 5 8 | 20 | 24 | 15.0 | 9.0 | 1.2 | 0.020 | 0.002< | 0.020 |
| MAXIMUM | | | | | | | | 20 | 24 | 15.0 | 13.0 | 1.8 | 0.045 | 0.012 | 0.060 |
| ARITH MEAN | | | | | | | | 9L | 15L | 5.0 | 10.5 | 1.2 | 0.026 | 0.006L | 0.033 |
| GEOM MEAN | | | | | | | | 7L | 12L | 3.0 | 10.3 | 1.1 | 0.025 | 0.004L | 0.030 |
| MINIMUM | | | | | | | | 4< | 4< | 0.0 | 7.0 | 0.8 | 0.018 | 0.002< | 0.019 |
| STD DEV | | | | | | | | 9L | 10L | 6.5 | 2.3 | 0.4 | 0.010 | 0.004L | 0.018 |
| NO OF SAMPLES | | | | | | | | 3 | 3 | 6 | 6 | 6 | 6 | 6 | 6 |

(CONTD)

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'TY FTU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB |
| 80 01 07 0900 | | | .3 | 1 | 0.750 | 0.003 | 0.017 | 0.080 | 0.690 | 0.770 | 6.0 | 159.000 | 245.0 | 3.10 |
| 80 02 05 0855 | | | .3 | 1 | 0.500 | 0.002 | 0.031 | 0.052 | 0.481 | 0.533 | 2.0 | 150.000 | 230.0 | 1.60 |
| 80 03 04 0855 | | | .3 | 1 | 0.540 | 0.004 | 0.020 | 0.054 | 0.510 | 0.564 | 4.0 | 156.000 | 240.0 | 2.20 |
| 80 04 15 0950 | | | .3 | 1 | 0.460 | 0.004 | 0.060 | 0.114 | 0.410 | 0.524 | 2.0 | 70.0 | 170.0 | 1.70 |
| 80 05 13 0845 | | | .3 | 1 | 0.390 | 0.002 | 0.020< | 0.042 | 0.370 | 0.412 | 5.0 | 133.000 | 205.0 | 1.40 |
| 80 06 09 0855 | | | .3 | 1 | 0.330 | 0.002< | 0.180 | 0.202 | 0.310 | 0.512 | 5.0 | 137.000 | 210.0 | 1.20 |
| MAXIMUM | | | | | 0.750 | 0.004 | 0.180 | 0.202 | 0.690 | 0.770 | 6.0 | 159.000 | 245.0 | 3.10 |
| ARITH MEAN | | | | | 0.495 | 0.003L | 0.055L | 0.091 | 0.462 | 0.553 | 4.0 | 134.1 | 216.7 | 1.87 |
| GEOM MEAN | | | | | 0.478 | 0.003L | 0.036L | 0.078 | 0.447 | 0.543 | 3.7 | 129.6 | 215.1 | 1.77 |
| MINIMUM | | | | | 0.330 | 0.002< | 0.017< | 0.042 | 0.310 | 0.412 | 2.0 | 70.0 | 170.0 | 1.20 |
| STD DEV | | | | | 0.148 | 0.001L | 0.063L | 0.060 | 0.133 | 0.118 | 1.7 | 33.0 | 27.9 | 0.69 |
| NO OF SAMPLES | | | | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHLORIDE UNF.REAC MG/L AS CL |
|---|---|---|---|---|---|
| TEST-NAME: | | | | | CLIDUR |
| 80 01 07 0900 | | | .3 | 1 | 5.750 |
| 80 02 05 0855 | | | .3 | 1 | 6.250 |
| 80 03 04 0855 | | | .3 | 1 | 8.000 |
| 80 04 15 0950 | | | .3 | 1 | 5.000 |
| 80 05 13 0845 | | | .3 | 1 | 5.300 |
| 80 06 09 0855 | | | .3 | 1 | 5.300 |
| MAXIMUM | | | | | 8.000 |
| ARITH MEAN | | | | | 5.933 |
| GEOM MEAN | | | | | 5.867 |
| MINIMUM | | | | | 5.000 |
| STD DEV | | | | | 1.103 |
| NO OF SAMPLES | | | | | 6 |

B.O.W./ SITE: **RIDEAU RIVER**
SAMPLE POINT: **AT ROCKEY NARROWS RIDEAU LAKE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **RIDEAU RIVER**

STATION ID: **18-0033-020-02**
STORET CODE: **02**
**006**
**1710**

LAT: LONG: U T M: **18 0405050.0 4960350.0 4** REGION: **04** DISTANCE: **128.864**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
| 80 01 07 1510 | | | .3 | 1 | 18019 | 4 6 | | | 0.0 | 11.0 | 0.8 | 0.024 | 0.007 | 0.020 |
| 80 02 05 1530 | | | .3 | 1 | 18040 | 6 4 | | | 0.0 | 12.0 | 0.2 | 0.024 | 0.001 | 0.006 |
| 80 03 04 1535 | | | .3 | 1 | 18061 | 4 6 | | | 0.0 | 14.0 | 2.7 | 0.030 | 0.002< | 0.100 |
| 80 04 15 0910 | | | .3 | 1 | 18082 | 6 3 | 4< | 268 | 4.0 | 10.0 | 0.2 | 0.022 | 0.004 | 0.010 |
| 80 05 13 1430 | | | .3 | 1 | 18103 | 6 | 4< | 4< | 13.0 | 10.0 | 0.8 | 0.010 | 0.002< | 0.010 |
| 80 06 09 1540 | | | .3 | 1 | 18124 | 6 | 4< | 4< | 15.0 | 9.0 | 1.3 | 0.018 | 0.002< | 0.020 |
| MAXIMUM | | | | | | | 4 | 268 | 15.0 | 14.0 | 2.7 | 0.030 | 0.007 | 0.100 |
| ARITH MEAN | | | | | | | 4L | 92L | 5.3 | 11.0 | 1.0 | 0.021 | 0.003L | 0.028 |
| GEOM MEAN | | | | | | | 4L | 16L | 3.0 | 10.9 | 0.7 | 0.020 | 0.002L | 0.017 |
| MINIMUM | | | | | | | 4< | 4< | 0.0 | 9.0 | 0.2 | 0.010 | 0.001< | 0.006 |
| STD DEV | | | | | | | 0L | 152L | 6.9 | 1.8 | 0.9 | 0.007 | 0.002L | 0.036 |
| NO OF SAMPLES | | | | | | | 3 | 3 | 6 | 6 | 6 | 6 | 6 | 6 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'TY FTU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST-NAME: | | | | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB |
| 80 01 07 1510 | | | .3 | 1 | 0.410 | 0.001 | 0.014 | 0.035 | 0.390 | 0.425 | 3.0 | 146.000 | 225.0 | 1.70 |
| 80 02 05 1530 | | | .3 | 1 | 0.430 | 0.001 | 0.004 | 0.011 | 0.424 | 0.435 | 7.0 | 153.000 | 235.0 | 1.20 |
| 80 03 04 1535 | | | .3 | 1 | 1.450 | 0.004 | 0.040 | 0.144 | 1.350 | 1.494 | 3.0 | 166.000 | 255.0 | 1.70 |
| 80 04 15 0910 | | | .3 | 1 | 0.340 | 0.002 | 0.060 | 0.072 | 0.330 | 0.402 | 24.0 | 120.0 | 220.0 | 3.80 |
| 80 05 13 1430 | | | .3 | 1 | 0.370 | 0.002< | 0.020< | 0.032 | 0.360 | 0.392 | 5.0< | 135.000 | 208.0 | 0.95 |
| 80 06 09 1540 | | | .3 | 1 | 0.320 | 0.002< | 0.020< | 0.042 | 0.300 | 0.342 | 3.0 | 137.000 | 210.0 | 1.20 |
| MAXIMUM | | | | | 1.450 | 0.004 | 0.060 | 0.144 | 1.350 | 1.494 | 24.0 | 166.000 | 255.0 | 3.80 |
| ARITH MEAN | | | | | 0.553 | 0.002L | 0.026L | 0.056 | 0.526 | 0.582 | 7.5L | 142.8 | 225.5 | 1.76 |
| GEOM MEAN | | | | | 0.466 | 0.002L | 0.018L | 0.042 | 0.447 | 0.486 | 5.3L | 142.0 | 224.9 | 1.57 |
| MINIMUM | | | | | 0.320 | 0.001< | 0.004< | 0.011 | 0.300 | 0.342 | 3.0< | 120.0 | 208.0 | 0.95 |
| STD DEV | | | | | 0.441 | 0.001L | 0.030L | 0.047 | 0.406 | 0.448 | 8.2L | 15.9 | 17.6 | 1.04 |
| NO OF SAMPLES | | | | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHLORIDE UNF.REAC MG/L AS CL |
|---|---|---|---|---|---|
| TEST-NAME: | | | | | CLIDUR |
| 80 01 07 1510 | | | .3 | 1 | 4.950 |
| 80 02 05 1530 | | | .3 | 1 | 5.350 |
| 80 03 04 1535 | | | .3 | 1 | 9.000 |
| 80 04 15 0910 | | | .3 | 1 | 5.200 |
| 80 05 13 1430 | | | .3 | 1 | 5.300 |
| 80 06 09 1540 | | | .3 | 1 | 5.800 |
| MAXIMUM | | | | | 9.000 |
| ARITH MEAN | | | | | 5.933 |
| GEOM MEAN | | | | | 5.801 |
| MINIMUM | | | | | 4.950 |
| STD DEV | | | | | 1.628 |
| NO OF SAMPLES | | | | | 6 |

B.O.W./ SITE: **TAY RIVER**
SAMPLE POINT: AT DAM IN BOLINGBROKE
STATION TYPE: RIVER

MAJOR BASIN: GREAT LAKES
MINOR BASIN: OTTAWA RIVER
TERM STREAM: RIDEAU RIVER

STATION ID: 18-0033-023-02
STORET CODE: 02
006
1710

LAT: LONG: U T M: 18 0379700.0 4957200.0 4 REGION: 04 DISTANCE: 151.986

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 07 1120 | | | .3 | 1 | 18015 | 6 | | | 0.0 | 11.0 | 0.4 | 0.013 | 0.002 | 0.016 |
| 80 02 05 1050 | | | .3 | 1 | 18036 | 6 | | | 0.0 | 11.0 | 0.2 | 0.008 | 0.001 | 0.010 |
| 80 03 04 1030 | | | .3 | 1 | 18057 | 6 | | | 0.0 | 10.0 | 0.2 | 0.016 | 0.002 | 0.030 |
| 80 04 15 1215 | | | .3 | 1 | 18078 | 6 3 | 4 | 28 | 5.0 | 12.0 | 0.1< | 0.006 | 0.002 | 0.020 |
| 80 05 13 1045 | | | .3 | 1 | 18099 | 6 | 4< | 12 | 11.0 | 10.0 | 1.2 | 0.020 | 0.002 | 0.010 |
| 80 06 09 1050 | | | .3 | 1 | 18120 | 6 | 4 | 32 | 15.0 | 10.0 | 0.8 | 0.014 | 0.002 | 0.030 |
| MAXIMUM | | | | | | | 4 | 32 | 15.0 | 12.0 | 1.2 | 0.020 | 0.002 | 0.030 |
| ARITH MEAN | | | | | | | 4L | 24 | 5.2 | 10.7 | 0.5L | 0.013 | 0.002 | 0.019 |
| GEOM MEAN | | | | | | | 4L | 22 | 3.1 | 10.6 | 0.3L | 0.012 | 0.002 | 0.018 |
| MINIMUM | | | | | | | 4< | 12 | 0.0 | 10.0 | 0.1< | 0.006 | 0.001 | 0.010 |
| STD DEV | | | | | | | 0L | 11 | 6.5 | 0.8 | 0.4L | 0.005 | 0.000 | 0.009 |
| NO OF SAMPLES | | | | | | | 3 | 3 | 6 | 6 | 6 | 6 | 6 | 6 |

| TEST-NAME: | | | | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 01 07 1120 | | | .3 | 1 | 0.370 | 0.002 | 0.008 | 0.026 | 0.354 | 0.380 | 1.0 | 9.300 | 143.0 | 1.70 |
| 80 02 05 1050 | | | .3 | 1 | 0.360 | 0.002 | 0.008 | 0.020 | 0.350 | 0.370 | 2.0 | 90.000 | 139.0 | 1.40 |
| 80 03 04 1030 | | | .3 | 1 | 0.310 | 0.002 | 0.020 | 0.052 | 0.280 | 0.332 | 2.0 | 96.000 | 148.0 | 1.40 |
| 80 04 15 1215 | | | .3 | 1 | 0.360 | 0.002 | 0.060 | 0.082 | 0.340 | 0.422 | 1.0 | 70.0 | 135.0 | 1.20 |
| 80 05 13 1045 | | | .3 | 1 | 0.490 | 0.002 | 0.020< | 0.032 | 0.480 | 0.512 | 6.0 | 85.000 | 133.0 | 1.00 |
| 80 06 09 1050 | | | .3 | 1 | 0.360 | 0.002 | 0.020< | 0.052 | 0.330 | 0.382 | 2.0 | 89.000 | 137.0 | 0.90 |
| MAXIMUM | | | | | 0.490 | 0.002 | 0.060 | 0.082 | 0.480 | 0.512 | 6.0 | 96.000 | 148.0 | 1.70 |
| ARITH MEAN | | | | | 0.375 | 0.002 | 0.023L | 0.044 | 0.356 | 0.400 | 2.3 | 73.3 | 139.2 | 1.27 |
| GEOM MEAN | | | | | 0.371 | 0.002 | 0.018L | 0.039 | 0.351 | 0.396 | 1.9 | 59.2 | 139.1 | 1.24 |
| MINIMUM | | | | | 0.310 | 0.002 | 0.008< | 0.020 | 0.280 | 0.332 | 1.0 | 9.300 | 133.0 | 0.90 |
| STD DEV | | | | | 0.060 | 0.000 | 0.018L | 0.023 | 0.067 | 0.062 | 1.9 | 32.5 | 5.5 | 0.29 |
| NO OF SAMPLES | | | | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

| TEST-NAME: | | | | | CLIDUR |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHLORIDE UNF.REAC MG/L AS CL |
| 80 01 07 1120 | | | .3 | 1 | 2.250 |
| 80 02 05 1050 | | | .3 | 1 | 2.350 |
| 80 03 04 1030 | | | .3 | 1 | 2.800 |
| 80 04 15 1215 | | | .3 | 1 | 2.500 |
| 80 05 13 1045 | | | .3 | 1 | 2.000 |
| 80 06 09 1050 | | | .3 | 1 | 2.500 |
| MAXIMUM | | | | | 2.800 |
| ARITH MEAN | | | | | 2.400 |
| GEOM MEAN | | | | | 2.387 |
| MINIMUM | | | | | 2.000 |
| STD DEV | | | | | 0.270 |
| NO OF SAMPLES | | | | | 6 |

B.O.W./ SITE: **CROW LAKE INLET**
SAMPLE POINT: COMMUNITY OF CROW LAKE
STATION TYPE: RIVER

MAJOR BASIN: GREAT LAKES
MINOR BASIN: OTTAWA RIVER
TERM STREAM: RIDEAU RIVER

STATION ID: 18-0033-024-02
STORET CODE: 02
006
1710

LAT: LONG: U T M: 18 0373000.0 4954250.0 4 REGION: 04 DISTANCE: 188.964

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 07 1200 | | | .3 | 1 | 18016 | 4 6 | | | 0.0 | 12.0 | 2.8 | 0.018 | 0.002 | 0.042 |
| 80 02 05 1115 | | | .3 | 1 | 18037 | 6 4 | | | 0.0 | 13.0 | 0.6 | 0.020 | 0.002 | 0.010 |
| 80 03 04 1055 | | | .3 | 1 | 18058 | 4 6 | | | 0.0 | 13.0 | 5.3 | 0.036 | 0.002< | 0.090 |
| 80 04 15 1235 | | | .3 | 1 | 18079 | 6 3 | 4< | 132 | 5.0 | 12.0 | 0.3 | 0.048 | 0.002 | 0.020 |
| 80 05 13 1110 | | | .3 | 1 | 18100 | 6 | 4< | 4< | 11.0 | 10.0 | 0.7 | 0.006 | 0.002 | 0.030 |
| 80 06 09 1115 | | | .3 | 1 | 18121 | 6 | 4 | 4< | 15.0 | 6.0 | 0.3 | 0.012 | 0.002< | 0.020 |
| MAXIMUM | | | | | | | 4 | 132 | 15.0 | 13.0 | 5.3 | 0.048 | 0.002 | 0.090 |
| ARITH MEAN | | | | | | | 4L | 47L | 5.2 | 11.0 | 1.7 | 0.023 | 0.002L | 0.035 |
| GEOM MEAN | | | | | | | 4L | 13L | 3.1 | 10.7 | 0.9 | 0.019 | 0.002L | 0.028 |
| MINIMUM | | | | | | | 4< | 4< | 0.0 | 6.0 | 0.3 | 0.006 | 0.002< | 0.010 |
| STD DEV | | | | | | | 0L | 74L | 6.5 | 2.7 | 2.0 | 0.016 | 0.000L | 0.029 |
| NO OF SAMPLES | | | | | | | 3 | 3 | 6 | 6 | 6 | 6 | 6 | 6 |

| TEST-NAME: | | | | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 01 07 1200 | | | .3 | 1 | 1.000 | 0.002 | 0.043 | 0.087 | 0.958 | 1.045 | 8.0 | 101.000 | 155.0 | 2.50 |
| 80 02 05 1115 | | | .3 | 1 | 0.410 | 0.002 | 0.041 | 0.053 | 0.400 | 0.453 | 4.0 | 96.000 | 148.0 | 1.80 |
| 80 03 04 1055 | | | .3 | 1 | 1.750 | 0.004 | 0.060 | 0.154 | 1.660 | 1.814 | 6.0 | 110.000 | 170.0 | 2.70 |
| 80 04 15 1235 | | | .3 | 1 | 0.420 | 0.002 | 0.080 | 0.102 | 0.400 | 0.502 | 17.0 | 68.0 | 124.0 | 4.70 |
| 80 05 13 1110 | | | .3 | 1 | 0.400 | 0.002 | 0.020< | 0.052 | 0.370 | 0.422 | 2.0 | 88.000 | 136.0 | 1.00 |
| 80 06 09 1115 | | | .3 | 1 | 0.240 | 0.002< | 0.020< | 0.042 | 0.220 | 0.262 | 2.0 | 90.000 | 138.0 | 0.75 |

(CONTD)

| TEST-NAME: | | | | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| MAXIMUM | | | | | 1.760 | 0.004 | 0.050 | 0.184 | 1.660 | 1.814 | 17.0 | 110.000 | 170.0 | 4.70 |
| ARITH MEAN | | | | | 0.703 | 0.002L | 0.044L | 0.082 | 0.686 | 0.750 | 6.5 | 92.1 | 146.2 | 2.24 |
| GEOM MEAN | | | | | 0.664 | 0.002L | 0.039L | 0.074 | 0.624 | 0.602 | 4.9 | 91.1 | 144.4 | 1.87 |
| MINIMUM | | | | | 0.240 | 0.002< | 0.020< | 0.042 | 0.220 | 0.282 | 2.0 | 66.0 | 124.0 | 0.78 |
| STD DEV | | | | | 0.578 | 0.001L | 0.023L | 0.042 | 0.548 | 0.586 | 5.6 | 14.2 | 16.2 | 1.43 |
| NO OF SAMPLES | | | | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

| TEST-NAME: | | | | | CLIDUR |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHLORIDE UNF.REAC MG/L AS CL |
| 80 01 07 1200 | | | .3 | 1 | 2.650 |
| 80 02 05 1115 | | | .3 | 1 | 2.000 |
| 80 03 04 1055 | | | .3 | 1 | 5.000 |
| 80 04 15 1235 | | | .3 | 1 | 1.800 |
| 80 05 13 1110 | | | .3 | 1 | 1.800 |
| 80 06 09 1115 | | | .3 | 1 | 2.300 |
| MAXIMUM | | | | | 5.000 |
| ARITH MEAN | | | | | 2.592 |
| GEOM MEAN | | | | | 2.413 |
| MINIMUM | | | | | 1.800 |
| STD DEV | | | | | 1.224 |
| NO OF SAMPLES | | | | | 6 |

B.O.W./ SITE: **BOBS LAKE**
SAMPLE POINT: **END OF ROAD TO TIMMERMANS ISLAND**
STATION TYPE: **LAKE**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **RIDEAU RIVER**

STATION ID: **18-0033-025-01**

STORET CODE: **02**
**066**
**1710**

LAT:
LONG:
U T M: **18 0375175.0 4949400.0 4**
REGION: **04**
DISTANCE: **164.140**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 07 1300 | | | .3 | 1 | 18017 | 4 6 | | | 0.0 | 10.0 | 1.0 | 0.020 | 0.004 | 0.038 |
| 80 02 05 1215 | | | .3 | 1 | 18038 | 6 4 | | | 0.0 | 12.0 | 0.4 | 0.021 | 0.001 | 0.006 |
| 80 03 04 1150 | | | .3 | 1 | 18059 | 4 6 | | | 0.0 | 13.0 | 2.2 | 0.018 | 0.002< | 0.070 |
| 80 04 15 1330 | | | .3 | 1 | 18080 | 6 3 | 4< | 8 | 5.0 | 12.0 | 0.2 | 0.014 | 0.002 | 0.020 |
| 80 05 13 1210 | | | .3 | 1 | 18101 | 6 | 4< | 4 | 13.0 | 8.0 | 0.5 | 0.012 | 0.002< | 0.010 |
| 80 06 09 1215 | | | .3 | 1 | 18122 | 6 | 4< | 4< | 15.0 | 10.0 | 0.9 | 0.032 | 0.002< | 0.010 |
| MAXIMUM | | | | | | | 4 | 8 | 15.0 | 13.0 | 2.2 | 0.032 | 0.004 | 0.070 |
| ARITH MEAN | | | | | | | 4L | 5L | 5.5 | 10.8 | 0.9 | 0.019 | 0.002L | 0.026 |
| GEOM MEAN | | | | | | | 4L | 5L | 3.1 | 10.7 | 0.7 | 0.019 | 0.002L | 0.018 |
| MINIMUM | | | | | | | 4< | 4< | 0.0 | 8.0 | 0.2 | 0.012 | 0.001< | 0.006 |
| STD DEV | | | | | | | 0L | 2L | 6.9 | 1.8 | 0.7 | 0.007 | 0.001L | 0.025 |
| NO OF SAMPLES | | | | | | | 3 | 3 | 6 | 6 | 6 | 6 | 6 | 6 |

| TEST-NAME: | | | | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 01 07 1300 | | | .3 | 1 | 0.440 | 0.001 | 0.004 | 0.043 | 0.402 | 0.445 | 4.0 | 90.000 | 138.0 | 2.30 |
| 80 02 05 1215 | | | .3 | 1 | 0.450 | 0.002 | 0.005 | 0.013 | 0.444 | 0.457 | 2.0 | 87.000 | 134.0 | 1.60 |
| 80 03 04 1150 | | | .3 | 1 | 1.250 | 0.004 | 0.020 | 0.094 | 1.180 | 1.274 | 6.0 | 96.000 | 148.0 | 1.50 |
| 80 04 15 1330 | | | .3 | 1 | 0.400 | 0.002 | 0.040 | 0.062 | 0.380 | 0.442 | 4.0 | 85.0 | 132.0 | 1.50 |
| 80 05 13 1210 | | | .3 | 1 | 0.460 | 0.002 | 0.020< | 0.032 | 0.450 | 0.482 | 1.0 | 81.000 | 124.0 | 0.75 |
| 80 06 09 1215 | | | .3 | 1 | 0.370 | 0.002< | 0.020< | 0.032 | 0.360 | 0.392 | 2.0 | 86.000 | 132.0 | 0.85 |
| MAXIMUM | | | | | 1.250 | 0.004 | 0.040 | 0.094 | 1.180 | 1.274 | 6.0 | 96.000 | 148.0 | 2.30 |
| ARITH MEAN | | | | | 0.562 | 0.002L | 0.018L | 0.046 | 0.536 | 0.582 | 3.2 | 87.5 | 134.7 | 1.42 |
| GEOM MEAN | | | | | 0.506 | 0.002L | 0.014L | 0.039 | 0.485 | 0.528 | 2.7 | 87.3 | 134.5 | 1.32 |
| MINIMUM | | | | | 0.370 | 0.001< | 0.004< | 0.013 | 0.360 | 0.392 | 1.0 | 81.000 | 124.0 | 0.75 |
| STD DEV | | | | | 0.339 | 0.001L | 0.013L | 0.028 | 0.317 | 0.340 | 1.8 | 5.0 | 8.0 | 0.56 |
| NO OF SAMPLES | | | | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

| TEST-NAME: | | | | | CLIDUR |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHLORIDE UNF.REAC MG/L AS CL |
| 80 01 07 1300 | | | .3 | 1 | 3.600 |
| 80 02 05 1215 | | | .3 | 1 | 2.650 |
| 80 03 04 1150 | | | .3 | 1 | 4.800 |
| 80 04 15 1330 | | | .3 | 1 | 2.800 |
| 80 05 13 1210 | | | .3 | 1 | 2.300 |
| 80 06 09 1215 | | | .3 | 1 | 2.800 |
| MAXIMUM | | | | | 4.800 |
| ARITH MEAN | | | | | 3.158 |
| GEOM MEAN | | | | | 3.063 |
| MINIMUM | | | | | 2.300 |
| STD DEV | | | | | 0.910 |
| NO OF SAMPLES | | | | | 6 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **RIDEAU RIVER**
SAMPLE POINT: **AT DAM IN KILMARNOCK**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **RIDEAU RIVER**

STATION ID: **18-0033-026-02**
STORET CODE: **02**
**006**
**1710**

LAT:
LONG:
U T M: **18 0426750.0 4970860.0 4**
REGION: **04**
DISTANCE: **00.100**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 08 1455 | | | .3 | 1 | 18010 | 6 | | | 0.0 | 11.0 | 0.4 | 0.032 | 0.006 | 0.028 |
| 80 02 04 1500 | | | .3 | 1 | 18031 | 6 | | | 0.0 | 12.0 | 0.4 | 0.015 | 0.004 | 0.021 |
| 80 03 03 1440 | | | .3 | 1 | 18052 | 6 | | | 0.0 | 9.0 | 0.1< | 0.038 | 0.020 | 0.140 |
| 80 04 14 1500 | | | .3 | 1 | 18073 | 6 3 | 720 | 68 | 5.0 | 11.0 | 0.6 | 0.030 | 0.004 | 0.020 |
| 80 05 12 1425 | | | .3 | 1 | 18094 | 6 | 20 | 4< | 15.0 | 11.0 | 1.0 | 0.028 | 0.004 | 0.030 |
| 80 06 09 1430 | | | .3 | 1 | 18115 | 6 8 | 4< | 4< | 15.0 | 9.0 | 1.2 | 0.066 | 0.006 | 0.010< |
| 80 07 07 1545 | | | .3 | 1 | 18133 | 8 6 | 4< | 4< | 24.0 | 9.0 | 1.7 | 0.062 | 0.024 | 0.050 |
| 80 08 06 1400 | | | .3 | 1 | 18143 | 8 6 | 4< | 4 | 26.0 | 9.0 | 0.8 | 0.030 | 0.010 | 0.05 |
| 80 09 08 1421 | | | .3 | 1 | 18153 | 8 6 | | | 21.0 | 11.0 | 0.2 | 0.030 | 0.012 | 0.070 |
| 80 10 06 1340 | | | .3 | 1 | 18163 | 6 | 4< | 4 | 11.0 | 10.0 | | | | |
| 80 11 04 1420 | | | .3 | 1 | 18173 | 6 | 36 | 36 | 6.0 | 10.0 | 1.8 | 0.092 | 0.006 | 0.030 |
| 80 12 08 1330 | | | .3 | 1 | 18185 | 6 | 1040 | 52 | 0.0 | 5.0 | 0.6 | 0.034 | 0.006 | 0.050 |
| MAXIMUM | | | | | | | 1040 | 68 | 26.0 | 12.0 | 1.8 | 0.092 | 0.024 | 0.140 |
| ARITH MEAN | | | | | | | 228L | 22L | 10.2 | 9.7 | 0.8L | 0.042 | 0.009 | 0.04 L |
| GEOM MEAN | | | | | | | 28L | 10L | 5.6 | 9.6 | 0.6L | 0.037 | 0.008 | 0.03 L |
| MINIMUM | | | | | | | 4< | 4< | 0.0 | 5.0 | 0.1< | 0.015 | 0.004 | 0.010< |
| STD DEV | | | | | | | 411L | 28L | 9.8 | 1.8 | 0.6L | 0.022 | 0.007 | 0.03 L |
| NO OF SAMPLES | | | | | | | 8 | 8 | 12 | 12 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 01 08 1455 | | | .3 | 1 | 0.620 | 0.005 | 0.275 | 0.308 | 0.592 | 0.900 | 1.0 | 237.000 | 365.0 | 2.90 |
| 80 02 04 1500 | | | .3 | 1 | 0.470 | 0.002 | 0.050 | 0.073 | 0.449 | 0.522 | 2.0 | 157.000 | 242.0 | 7.20 |
| 80 03 03 1440 | | | .3 | 1 | 0.740 | 0.002 | 0.080 | 0.222 | 0.600 | 0.822 | 2.0 | 166.000 | 255.0 | 1.70 |
| 80 04 14 1500 | | | .3 | 1 | 0.620 | 0.006 | 0.150 | 0.176 | 0.600 | 0.776 | 4.0 | 75.0 | 180.0 | 2.30 |
| 80 05 12 1425 | | | .3 | 1 | 0.560 | 0.002 | 0.020< | 0.052 | 0.530 | 0.582 | 3.0 | 130.000 | 200.0 | 1.80 |
| 80 06 09 1430 | | | .3 | 1 | 0.690 | 0.002 | 0.020< | 0.032 | 0.680 | 0.712 | 5.0 | 150.000 | 230.0 | 2.60 |
| 80 07 07 1545 | | | .3 | 1 | 0.650 | 0.004 | 0.020 | 0.074 | 0.600 | 0.674 | 11.0 | 130 | 200 | 1.50 |
| 80 08 06 1400 | | | .3 | 1 | 0.63 | 0.002 | 0.02 < | 0.072 | 0.580 | 0.652 | 2 | 143 | 220 | 0.87 |
| 80 09 08 1421 | | | .3 | 1 | 0.610 | 0.018 | 0.020< | 0.108 | 0.540 | 0.648 | | | 195.0 | 0.45 |
| 80 11 04 1420 | | | .3 | 1 | 0.840 | 0.006 | 0.070 | 0.106 | 0.810 | 0.916 | | | 320.0 | 1.90 |
| 80 12 08 1330 | | | .3 | 1 | 0.500 | 0.002 | 0.160 | 0.212 | 0.450 | 0.662 | | | 330.0 | 1.50 |
| MAXIMUM | | | | | 0.840 | 0.018 | 0.275 | 0.308 | 0.810 | 0.916 | 11.0 | 237.000 | 365.0 | 7.20 |
| ARITH MEAN | | | | | 0.63 | 0.006 | 0.08 L | 0.130 | 0.585 | 0.715 | 3 | 148 | 248 | 2.25 |
| GEOM MEAN | | | | | 0.62 | 0.003 | 0.06 L | 0.106 | 0.577 | 0.705 | 2 | 142 | 242 | 1.80 |
| MINIMUM | | | | | 0.470 | 0.002 | 0.020< | 0.032 | 0.449 | 0.522 | 1.0 | 75.0 | 180.0 | 0.45 |
| STD DEV | | | | | 0.10 | 0.005 | 0.08 L | 0.087 | 0.101 | 0.126 | 3 | 46 | 62 | 1.79 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 8 | 8 | 11 | 11 |

| TEST-NAME: | | | | | CLIDUR | PH |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 08 1455 | | | .3 | 1 | 9.450 | |
| 80 02 04 1500 | | | .3 | 1 | 6.450 | |
| 80 03 03 1440 | | | .3 | 1 | 9.000 | |
| 80 04 14 1500 | | | .3 | 1 | 7.200 | |
| 80 05 12 1425 | | | .3 | 1 | 5.800 | |
| 80 06 09 1430 | | | .3 | 1 | 7.000 | |
| 80 07 07 1545 | | | .3 | 1 | 8.8 | |
| 80 08 06 1400 | | | .3 | 1 | 7.3 | |
| 80 09 08 1421 | | | .3 | 1 | 6.500 | |
| 80 11 04 1420 | | | .3 | 1 | 9.500 | 8.10 |
| 80 12 08 1330 | | | .3 | 1 | 9.000 | 7.70 |
| MAXIMUM | | | | | 9.500 | 8.10 |
| ARITH MEAN | | | | | 7.8 | 7.90 |
| GEOM MEAN | | | | | 7.7 | 7.90 |
| MINIMUM | | | | | 5.800 | 7.70 |
| STD DEV | | | | | 1.3 | 0.28 |
| NO OF SAMPLES | | | | | 11 | 2 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **RIDEAU RIVER**
SAMPLE POINT: **DIST.FROM CONFLUENCE WITH JOCK RIVER**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **RIDEAU RIVER**

STATION ID: **18-0033-030-02**

STORET CODE: **02**
**086**
**1710**

LAT:
LONG:
U T M: **18 0444800.0 5012175.0 4**
REGION: **04**
DISTANCE: **24.681**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 08 1105 | | | .3 | 1 | 18002 | 4 6 | | | 0.0 | 10.0 | 0.6 | 0.034 | 0.008 | 0.046 |
| 80 02 04 1040 | | | .3 | 1 | 18023 | 4 6 | | | 0.0 | 14.0 | 0.2 | 0.022 | 0.006 | 0.031 |
| 80 03 03 1035 | | | .3 | 1 | 18044 | 4 6 | | | 0.0 | 9.0 | 0.3 | 0.022 | 0.004 | 0.040 |
| 80 04 14 1030 | | | .3 | 1 | 18065 | 6 3 | 76 | 640 | 5.0 | 11.0 | 1.0 | 0.056 | 0.010 | 0.030 |
| 80 05 12 1030 | | | .3 | 1 | 18086 | 6 | 8 | 4 | 13.0 | 8.0 | 1.1 | 0.028 | 0.004 | 0.060 |
| 80 06 09 1030 | | | .3 | 1 | 18107 | 8 6 | 28 | 108 | 17.0 | 6.0 | 1.2 | 0.062 | 0.010 | 0.050 |
| 80 07 07 1105 | | | .3 | 1 | 18128 | 8 6 | | | 23.0 | 8.0 | 1.8 | 0.032 | 0.010 | 0.027 |
| 80 09 08 1000 | | | .3 | 1 | 18148 | 5 7 | | | 21.0 | 9.0 | | 0.124 | 0.050 | 0.380 |
| 80 10 06 1040 | | | .3 | 1 | 18158 | 6 | | | 12.0 | 6.0 | | 0.010 | 0.002 | 0.040 |
| 80 11 04 1035 | | | .3 | 1 | 18168 | 6 | | | 5.0 | 7.0 | | 0.046 | 0.012 | 0.060 |
| 80 12 08 1035 | | | .3 | 1 | 18180 | 6 4 | | | 0.0 | 5.0 | | 0.022 | 0.008 | 0.030 |
| MAXIMUM | | | | | | | 76 | 640 | 23.0 | 14.0 | 1.8 | 0.124 | 0.050 | 0.380 |
| ARITH MEAN | | | | | | | 37 | 251 | 8.7 | 8.5 | 0.9 | 0.042 | 0.011 | 0.072 |
| GEOM MEAN | | | | | | | 26 | 65 | 4.8 | 8.1 | 0.7 | 0.034 | 0.008 | 0.048 |
| MINIMUM | | | | | | | 8 | 4 | 0.0 | 5.0 | 0.2 | 0.010 | 0.002 | 0.027 |
| STD DEV | | | | | | | 35 | 341 | 8.9 | 2.6 | 0.6 | 0.031 | 0.013 | 0.103 |
| NO OF SAMPLES | | | | | | | 3 | 3 | 11 | 11 | 7 | 11 | 11 | 11 |

| TEST-NAME: | | | | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 01 08 1105 | | | .3 | 1 | 0.610 | 0.009 | 0.479 | 0.534 | 0.564 | 1.098 | 1.0 | 275.0 | 435.0 | 2.20 |
| 80 02 04 1040 | | | .3 | 1 | 0.500 | 0.003 | 0.144 | 0.178 | 0.469 | 0.647 | 3.0 | 189.000 | 290.0 | 3.20 |
| 80 03 03 1035 | | | .3 | 1 | 0.550 | 0.004 | 0.100 | 0.144 | 0.510 | 0.654 | 3.0 | 198.000 | 305.0 | 2.40 |
| 80 04 14 1030 | | | .3 | 1 | 0.460 | 0.006 | 0.350 | 0.386 | 0.430 | 0.816 | 15.0 | 75.0 | 285.0 | 7.00 |
| 80 05 12 1030 | | | .3 | 1 | 0.550 | 0.004 | 0.020 | 0.084 | 0.490 | 0.574 | 4.0 | 195.000 | 300.0 | 2.30 |
| 80 06 09 1030 | | | .3 | 1 | 0.740 | 0.004 | 0.020 | 0.074 | 0.690 | 0.764 | 13.0 | 182.000 | 280.0 | 6.00 |
| 80 07 07 1105 | | | .3 | 1 | 0.750 | 0.002< | 0.020< | 0.049 | 0.723 | 0.772 | 1.0< | 176 | 270 | 5.50 |
| 80 09 08 1000 | | | .3 | 1 | 2.450 | 0.090 | 0.070 | 0.540 | 2.070 | 2.610 | | | 230.0 | 2.50 |
| 80 10 06 1040 | | | .3 | 1 | 0.430 | 0.006 | 0.030 | 0.076 | 0.390 | 0.466 | | | 250.0 | 1.50 |
| 80 11 04 1035 | | | .3 | 1 | 0.790 | 0.012 | 0.430 | 0.502 | 0.730 | 1.232 | | | 380.0 | 7.00 |
| 80 12 08 1035 | | | .3 | 1 | 0.610 | 0.004 | 0.820 | 0.854 | 0.580 | 1.434 | | | 510.0 | 2.00 |
| MAXIMUM | | | | | 2.450 | 0.090 | 0.820 | 0.854 | 2.070 | 2.610 | 15.0 | 275.0 | 510.0 | 7.00 |
| ARITH MEAN | | | | | 0.787 | 0.013L | 0.226L | 0.311 | 0.686 | 1.006 | 5.7L | 184 | 321 | 3.78 |
| GEOM MEAN | | | | | 0.669 | 0.006L | 0.103L | 0.206 | 0.616 | 0.880 | 3.6L | 173 | 312 | 3.28 |
| MINIMUM | | | | | 0.430 | 0.002< | 0.020< | 0.049 | 0.390 | 0.466 | 1.0< | 75.0 | 230.0 | 1.50 |
| STD DEV | | | | | 0.571 | 0.026L | 0.262L | 0.268 | 0.470 | 0.606 | 5.8L | 68 | 86 | 2.13 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 7 | 7 | 11 | 11 |

| TEST-NAME: | | | | | CLIDUR | PH |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 08 1105 | | | .3 | 1 | 14.000 | |
| 80 02 04 1040 | | | .3 | 1 | 8.300 | |
| 80 03 03 1035 | | | .3 | 1 | 9.800 | |
| 80 04 14 1030 | | | .3 | 1 | 9.500 | |
| 80 05 12 1030 | | | .3 | 1 | 9.000 | |
| 80 06 09 1030 | | | .3 | 1 | 9.000 | |
| 80 07 07 1105 | | | .3 | 1 | 10.8 | |
| 80 11 04 1035 | | | .3 | 1 | | 8.00 |
| 80 12 08 1035 | | | .3 | 1 | | 7.70 |
| MAXIMUM | | | | | 14.000 | 8.00 |
| ARITH MEAN | | | | | 10.0 | 7.85 |
| GEOM MEAN | | | | | 9.9 | 7.85 |
| MINIMUM | | | | | 8.300 | 7.70 |
| STD DEV | | | | | 1.9 | 0.21 |
| NO OF SAMPLES | | | | | 7 | 2 |

B.O.W./ SITE: **RIDEAU RIVER**
SAMPLE POINT: **AT BRIDGE DOWNSTREAM OF KARS**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **RIDEAU RIVER**

STATION ID: **18-0033-029-02**

STORET CODE: **02**
**086**
**1710**

LAT:
LONG:
U T M: **18 0450150.0 5000800.0 4**
REGION: **04**
DISTANCE: **38.046**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 08 0930 | | | .3 | 1 | 18001 | 4 6 | | | 0.0 | 10.0 | 0.8 | 0.025 | 0.019 | 0.164 |
| 80 02 04 0945 | | | .3 | 1 | 18022 | 4 6 | | | 0.0 | 13.0 | 0.4 | 0.027 | 0.005 | 0.023 |
| 80 03 03 1010 | | | .3 | 1 | 18043 | 4 5 | | | 0.0 | 12.0 | 0.3 | 0.030 | 0.004 | 0.030 |
| 80 04 14 0950 | | | .3 | 1 | 18064 | 6 3 | 48 | 960 | 5.0 | 11.0 | 0.8 | 0.050 | 0.006 | 0.020 |
| 80 05 12 0915 | | | .3 | 1 | 18085 | 6 | 4< | 4< | 12.0 | 8.0 | 1.2 | 0.020 | 0.004 | 0.080 |
| 80 06 09 0950 | | | .3 | 1 | 18106 | 8 6 | 4 | 4< | 17.0 | 8.0 | 1.1 | 0.044 | 0.014 | 0.050 |
| 80 07 07 1005 | | | .3 | 1 | 18127 | 5 8 | 4< | 4< | 22.5 | 7.0 | 2.6 | 0.026 | 0.002< | 0.080 |
| 80 08 06 1000 | | | .3 | 1 | 18137 | 5 7 | 4 | 4< | 25.0 | 9.0 | 2.1 | 0.070 | 0.028 | 0.160 |
| 80 09 08 0930 | | | .3 | 1 | 18147 | 7 5 | | | 21.0 | 6.0 | 1.8 | 0.090 | 0.046 | 0.090 |
| 80 10 06 0920 | | | .3 | 1 | 18157 | 6 | 8 | 4< | 12.0 | 9.0 | 1.0 | 0.038 | 0.002< | 0.030 |

(CONTD)

B.O.W./ SITE: **RIDEAU RIVER**
SAMPLE POINT: **AT BRIDGE DOWNSTREAM OF KARS**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **RIDEAU RIVER**

STATION ID: **18-0033-029-02**
STORET CODE: **02**
**006**
**1710**

LAT: LONG: U T M. **18 0450150.0 5000900.0 4** REGION: **04** DISTANCE: **38.045**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 11 04 0945 | | | .3 | 1 | 18167 | 6 | 8 | 4 | 5.0 | 7.0 | 0.5 | 0.030 | 0.002 | 0.020 |
| 80 12 08 0935 | | | .3 | 1 | 18178 | 6 4 | 60 | 84 | 0.0 | 12.0 | 0.4 | 0.024 | 0.004 | 0.060 |
| MAXIMUM | | | | | | | 60 | 990 | 25.0 | 13.0 | 2.6 | 0.090 | 0.048 | 0.164 |
| ARITH MEAN | | | | | | | 17L | 133L | 10.0 | 9.3 | 1.1 | 0.039 | 0.011L | 0.086 |
| GEOM MEAN | | | | | | | 9L | 12L | 5.6 | 9.1 | 0.9 | 0.035 | 0.008L | 0.061 |
| MINIMUM | | | | | | | 4< | 4< | 0.0 | 6.0 | 0.3 | 0.020 | 0.002< | 0.020 |
| STD DEV | | | | | | | 23L | 336L | 9.6 | 2.3 | 0.7 | 0.021 | 0.014L | 0.061 |
| NO OF SAMPLES | | | | | | | 8 | 8 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 01 08 0930 | | | .3 | 1 | 0.590 | 0.006 | 0.304 | 0.474 | 0.426 | 0.900 | 1.0 | 231.000 | 355.0 | 1.70 |
| 80 02 04 0945 | | | .3 | 1 | 0.520 | 0.003 | 0.116 | 0.142 | 0.497 | 0.639 | 5.0 | 189.000 | 290.0 | 4.20 |
| 80 03 03 1010 | | | .3 | 1 | 0.560 | 0.002 | 0.100 | 0.132 | 0.530 | 0.662 | 4.0 | 189.000 | 290.0 | 2.90 |
| 80 04 14 0950 | | | .3 | 1 | 0.610 | 0.010 | 0.230 | 0.260 | 0.590 | 0.850 | 11.0 | 90.0 | 240.0 | 4.20 |
| 80 05 12 0915 | | | .3 | 1 | 0.490 | 0.002 | 0.020< | 0.082 | 0.430 | 0.512 | 4.0 | 169.000 | 260.0 | 2.10 |
| 80 06 09 0950 | | | .3 | 1 | 0.660 | 0.004 | 0.020 | 0.074 | 0.610 | 0.684 | 6.0 | 169.000 | 260.0 | 2.30 |
| 80 07 07 1005 | | | .3 | 1 | 0.610 | 0.002 | 0.020< | 0.102 | 0.530 | 0.632 | 1.0< | 143 | 220 | 2.80 |
| 80 08 06 1000 | | | .3 | 1 | 1.140 | 0.002 | 0.020< | 0.182 | 0.980 | 1.162 | 5.0 | 175.0 | 200.0 | 2.60 |
| 80 09 08 0930 | | | .3 | 1 | 1.400 | 0.086 | 0.030 | 0.206 | 1.310 | 1.516 | | | 215.0 | 1.60 |
| 80 10 06 0920 | | | .3 | 1 | 0.800 | 0.004 | 0.060 | 0.094 | 0.770 | 0.864 | | | 225.0 | 1.00 |
| 80 11 04 0945 | | | .3 | 1 | 0.690 | 0.008 | 0.190 | 0.218 | 0.670 | 0.888 | | | 295.0 | 2.80 |
| 80 12 08 0935 | | | .3 | 1 | 0.520 | 0.006 | 0.250 | 0.316 | 0.460 | 0.776 | | | 370.0 | 1.80 |
| MAXIMUM | | | | | 1.400 | 0.086 | 0.304 | 0.474 | 1.310 | 1.516 | 11.0 | 231.000 | 370.0 | 4.20 |
| ARITH MEAN | | | | | 0.716 | 0.011 | 0.113L | 0.190 | 0.650 | 0.840 | 4.6L | 169 | 268 | 2.50 |
| GEOM MEAN | | | | | 0.678 | 0.006 | 0.069L | 0.163 | 0.613 | 0.806 | 3.6L | 164 | 263 | 2.32 |
| MINIMUM | | | | | 0.490 | 0.002 | 0.020< | 0.074 | 0.426 | 0.512 | 1.0< | 90.0 | 200.0 | 1.00 |
| STD DEV | | | | | 0.278 | 0.024 | 0.104L | 0.117 | 0.261 | 0.273 | 3.2L | 40 | 64 | 0.98 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 8 | 8 | 12 | 12 |

| TEST-NAME: | | | | | CLIDUR | PH |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 08 0930 | | | .3 | 1 | 9.100 | |
| 80 02 04 0945 | | | .3 | 1 | 8.400 | |
| 80 03 03 1010 | | | .3 | 1 | 14.000 | |
| 80 04 14 0950 | | | .3 | 1 | 7.800 | |
| 80 05 12 0915 | | | .3 | 1 | 7.300 | |
| 80 06 09 0950 | | | .3 | 1 | 8.000 | |
| 80 07 07 1005 | | | .3 | 1 | 8.8 | |
| 80 08 06 1000 | | | .3 | 1 | 8.300 | |
| 80 09 08 0930 | | | .3 | 1 | 7.800 | |
| 80 10 06 0920 | | | .3 | 1 | 9.300 | |
| 80 11 04 0945 | | | .3 | 1 | 11.000 | 7.80 |
| 80 12 08 0935 | | | .3 | 1 | 11.000 | 7.70 |
| MAXIMUM | | | | | 14.000 | 7.80 |
| ARITH MEAN | | | | | 9.2 | 7.75 |
| GEOM MEAN | | | | | 9.0 | 7.75 |
| MINIMUM | | | | | 7.300 | 7.70 |
| STD DEV | | | | | 1.9 | 0.07 |
| NO OF SAMPLES | | | | | 12 | 2 |

B.O.W./ SITE: **RIDEAU RIVER**
SAMPLE POINT: **AT HOG'S BACK ROAD OTTAWA**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **RIDEAU RIVER**

STATION ID: **18-0033-031-02**
STORET CODE: **02**
**006**
**1710**

LAT: LONG: U T M: **18 0445400.0 5024150.0 4** REGION: **04** DISTANCE: **11.426**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 08 1200 | | | .3 | 1 | 18004 | 6 | | | 0.0 | 10.0 | 1.6 | 0.035 | 0.007 | 0.048 |
| 80 02 04 1135 | | | .3 | 1 | 18025 | 6 | | | 0.0 | 9.0 | 0.2 | 0.028 | 0.006 | 0.037 |
| 80 03 03 1125 | | | .3 | 1 | 18046 | 6 | | | 0.0 | 10.0 | 0.2 | 0.024 | 0.006 | 0.040 |
| 80 04 14 1130 | | | .3 | 1 | 18067 | 6 3 | 28 | 156 | 5.0 | 11.0 | 0.2 | 0.048 | 0.048 | 0.020 |
| 80 05 12 1120 | | | .3 | 1 | 18088 | 6 | 4< | 4 | 14.0 | 10.0 | 1.4 | 0.018 | 0.002 | 0.040 |
| 80 06 09 1120 | | | .3 | 1 | 18109 | 6 | 4< | 4< | 17.0 | 8.0 | 0.7 | 0.062 | 0.012 | 0.060 |
| 80 07 07 1135 | | | .3 | 1 | 18129 | 6 | | | 23.0 | 8.0 | 1.1 | 0.040 | 0.004 | 0.090 |
| 80 08 06 1050 | | | .3 | 1 | 18139 | 5 | | | 25.0 | 9.0 | 1.3 | 0.068 | 0.024 | 0.130 |
| 80 09 08 1025 | | | .3 | 1 | 18149 | 5 | | | 21.0 | 8.0 | | 0.110 | 0.040 | 0.330 |
| 80 10 06 1100 | | | .3 | 1 | 18159 | 6 | | | 12.0 | 9.0 | | 0.006 | 0.002< | 0.010< |
| 80 11 04 1100 | | | .3 | 1 | 18169 | 6 | | | 5.0 | 11.0 | | 0.058 | 0.005 | 0.030 |
| 80 12 08 1100 | | | .3 | 1 | 18181 | 6 | | | 0.0 | 10.0 | | 0.032 | 0.016 | 0.060 |
| MAXIMUM | | | | | | | 28 | 156 | 25.0 | 11.0 | 1.6 | 0.110 | 0.048 | 0.330 |
| ARITH MEAN | | | | | | | 12L | 55L | 10.2 | 9.4 | 0.8 | 0.044 | 0.014L | 0.075L |
| GEOM MEAN | | | | | | | 8L | 14L | 5.6 | 9.4 | 0.6 | 0.036 | 0.008L | 0.050L |
| MINIMUM | | | | | | | 4< | 4< | 0.0 | 8.0 | 0.2 | 0.006 | 0.002< | 0.010< |
| STD DEV | | | | | | | 14L | 88L | 9.7 | 1.1 | 0.6 | 0.028 | 0.016L | 0.087L |
| NO OF SAMPLES | | | | | | | 3 | 3 | 12 | 12 | 8 | 12 | 12 | 12 |

(CONTD)

| | TEST-NAME: | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 01 08 1200 | | .3 | 1 | 0.510 | 0.006 | 0.349 | 0.403 | 0.462 | 0.865 | 1.0 | 244.000 | 375.0 | 2.50 |
| 80 02 04 1135 | | .3 | 1 | 0.560 | 0.003 | 0.192 | 0.232 | 0.523 | 0.755 | 4.0 | 199.000 | 300.0 | 4.40 |
| 80 03 03 1125 | | .3 | 1 | 0.520 | 0.002 | 0.120 | 0.162 | 0.480 | 0.642 | 3.0 | 205.000 | 315.0 | 2.40 |
| 80 04 14 1130 | | .3 | 1 | 0.520 | 0.006 | 0.330 | 0.356 | 0.500 | 0.856 | 13.0 | 110.0 | 275.0 | 6.30 |
| 80 05 12 1120 | | .3 | 1 | 0.490 | 0.004 | 0.020 | 0.064 | 0.450 | 0.514 | 3.0 | 192.000 | 295.0 | 2.00 |
| 80 06 09 1120 | | .3 | 1 | 1.000 | 0.004 | 0.020< | 0.084 | 0.940 | 1.024 | 7.0 | 185.000 | 285.0 | 3.80 |
| 80 07 07 1135 | | .3 | 1 | 0.650 | 0.010 | 0.030 | 0.130 | 0.560 | 0.690 | 1.0< | 198 | 305 | 2.50 |
| 80 08 06 1050 | | .3 | 1 | 0.820 | 0.002< | 0.020< | 0.152 | 0.690 | 0.842 | 10.0 | 185.0 | 235.0 | 1.70 |
| 80 09 08 1025 | | .3 | 1 | 1.900 | 0.012 | 0.050 | 0.392 | 1.570 | 1.962 | | | 240.0 | 2.00 |
| 80 10 06 1100 | | .3 | 1 | 0.320 | 0.008 | 0.050 | 0.068 | 0.310 | 0.378 | | | 255.0 | 1.60 |
| 80 11 04 1100 | | .3 | 1 | 0.750 | 0.010 | 0.390 | 0.430 | 0.720 | 1.150 | | | 340.0 | 7.40 |
| 80 12 08 1100 | | .3 | 1 | 0.570 | 0.004 | 0.480 | 0.544 | 0.510 | 1.054 | | | 405.0 | 2.70 |
| | MAXIMUM | | | 1.900 | 0.012 | 0.480 | 0.544 | 1.570 | 1.962 | 13.0 | 244.000 | 405.0 | 7.40 |
| | ARITH MEAN | | | 0.717 | 0.006L | 0.171L | 0.251 | 0.643 | 0.894 | 5.2L | 189 | 302 | 3.27 |
| | GEOM MEAN | | | 0.646 | 0.005L | 0.060L | 0.198 | 0.586 | 0.824 | 3.7L | 186 | 298 | 2.88 |
| | MINIMUM | | | 0.320 | 0.002< | 0.020< | 0.064 | 0.310 | 0.378 | 1.0< | 110.0 | 235.0 | 1.60 |
| | STD DEV | | | 0.412 | 0.003L | 0.171L | 0.165 | 0.333 | 0.403 | 4.4L | 37 | 51 | 1.87 |
| | NO OF SAMPLES | | | 12 | 12 | 12 | 12 | 12 | 12 | 8 | 8 | 12 | 12 |

| | TEST-NAME: | | | CLIDUR | PH |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 08 1200 | | .3 | 1 | 11.000 | |
| 80 02 04 1135 | | .3 | 1 | 9.300 | |
| 80 03 03 1125 | | .3 | 1 | 11.000 | |
| 80 04 14 1130 | | .3 | 1 | 9.000 | |
| 80 05 12 1120 | | .3 | 1 | 8.500 | |
| 80 06 09 1120 | | .3 | 1 | 9.000 | |
| 80 07 07 1135 | | .3 | 1 | 15.0 | |
| 80 08 06 1050 | | .3 | 1 | 9.800 | |
| 80 11 04 1100 | | .3 | 1 | | 7.90 |
| 80 12 08 1100 | | .3 | 1 | | 7.70 |
| | MAXIMUM | | | 15.0 | 7.90 |
| | ARITH MEAN | | | 10.3 | 7.80 |
| | GEOM MEAN | | | 10.1 | 7.80 |
| | MINIMUM | | | 8.500 | 7.70 |
| | STD DEV | | | 2.1 | 0.14 |
| | NO OF SAMPLES | | | 8 | 2 |

B.O.W./ SITE: **RIDEAU RIVER**
SAMPLE POINT: **ST. PATRICK STREET BRIDGE OTTAWA**
STATION TYPE: **RIVER FLOW GAUGE FED 02LA004**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **RIDEAU RIVER**

STATION ID: **18-0033-034-02**
STORET CODE: **02**
**006**
**1710**

LAT: LONG: U T M: **18 0446900.0 5031525.0 4** REGION: **04** DISTANCE: **1.000**

| | TEST-NAME: | | | SAMPLE | FWSTRC | FWFLOW | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P |
| 80 01 08 1230 | | .3 | 1 | 18020 | 4 6 | 32.100 | | | 0.0 | 10.0 | 0.8 | 0.061 | 0.009 |
| 80 02 04 1200 | | .3 | 1 | 18041 | 6 4 | 23.500 | | | 0.0 | 13.0 | 0.2 | 0.020 | 0.005 |
| 80 03 03 1150 | | .3 | 1 | 18062 | 6 | 6.710 | | | 0.0 | 13.0 | 0.1< | 0.016 | 0.006 |
| 80 04 14 1155 | | .3 | 1 | 18083 | 6 3 | 222.000 | | | 5.0 | 11.0 | 0.9 | 0.054 | 0.008 |
| 80 05 12 1215 | | .3 | 1 | 18104 | 6 | 62.300 | | | 14.0 | 11.0 | 1.2 | 0.032 | 0.002 |
| 80 06 09 1145 | | .3 | 1 | 18125 | 6 | 9.200 | | | 17.0 | 10.0 | 0.3 | 0.040 | 0.008 |
| 80 07 07 1200 | | .3 | 1 | 18130 | 8 6 | 5.730 | 16 | 16 | 23.5 | 6.0 | 1.0 | 0.032 | 0.008 |
| 80 08 06 1145 | | .3 | 1 | 18140 | 8 6 | 10.300 | | | 25.0 | 7.0 | 0.8 | | 0.026 |
| 80 09 08 1040 | | .3 | 1 | 18150 | 8 6 | 13.800 | | | 19.0 | 8.0 | | 0.060 | 0.028 |
| 80 10 06 1125 | | .3 | 1 | 18160 | 6 | 22.600 | | | 12.0 | 10.0 | | 0.036 | 0.002< |
| 80 11 04 1135 | | .3 | 1 | 18170 | 6 | 42.400 | | | 5.0 | 10.0 | | 0.042 | 0.006 |
| 80 12 08 1130 | | .3 | 1 | 18182 | 6 | 65.600 | | | 0.0 | 9.0 | | 0.032 | 0.004 |
| | MAXIMUM | | | | | 222.000 | 16 | 16 | 25.0 | 13.0 | 1.2 | 0.061 | 0.028 |
| | ARITH MEAN | | | | | 43.020 | 16 | 16 | 10.0 | 9.8 | 0.7L | 0.038 | 0.009L |
| | GEOM MEAN | | | | | 23.797 | | | 5.5 | 9.6 | 0.6L | 0.036 | 0.007L |
| | MINIMUM | | | | | 5.730 | 16 | 16 | 0.0 | 6.0 | 0.1< | 0.016 | 0.002< |
| | STD DEV | | | | | 60.008 | | | 9.6 | 2.1 | 0.4L | 0.015 | 0.008L |
| | NO OF SAMPLES | | | | | 12 | 1 | 1 | 12 | 12 | 8 | 11 | 12 |

| | TEST-NAME: | | | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C |
| 80 01 08 1230 | | .3 | 1 | 0.064 | 0.640 | 0.007 | 0.363 | 0.434 | 0.576 | 1.010 | 10.0 | 260.000 | 400.0 |
| 80 02 04 1200 | | .3 | 1 | 0.045 | 0.580 | 0.004 | 0.210 | 0.259 | 0.535 | 0.794 | 2.0 | 207.000 | 318.0 |
| 80 03 03 1150 | | .3 | 1 | 0.040 | 0.490 | 0.002 | 0.160 | 0.202 | 0.450 | 0.652 | 3.0 | 214.000 | 330.0 |
| 80 04 14 1155 | | .3 | 1 | 0.030 | 0.640 | 0.006 | 0.310 | 0.346 | 0.610 | 0.956 | 6.0 | 135.0 | 275.0 |
| 80 05 12 1215 | | .3 | 1 | 0.050 | 0.630 | 0.006 | 0.030 | 0.086 | 0.580 | 0.666 | 5.0 | 198.000 | 305.0 |
| 80 06 09 1145 | | .3 | 1 | 0.010< | 0.640 | 0.004 | 0.020< | 0.034 | 0.630 | 0.664 | 11.0 | 195.000 | 300.0 |
| 80 07 07 1200 | | .3 | 1 | 0.070 | 0.950 | 0.002 | 0.020< | 0.092 | 0.880 | 0.972 | | 244 | 375 |
| 80 08 06 1145 | | .3 | 1 | 0.070 | | 0.020 | 0.040 | 0.130 | | | 2.0 | 210.0 | 265.0 |
| 80 09 08 1040 | | .3 | 1 | 0.060 | 0.710 | 0.038 | 0.060 | 0.158 | 0.650 | 0.808 | | | 245.0 |
| 80 10 06 1125 | | .3 | 1 | 0.080 | 0.890 | 0.012 | 0.070 | 0.162 | 0.810 | 0.972 | | | 270.0 |
| 80 11 04 1135 | | .3 | 1 | 0.040 | 0.600 | 0.010 | 0.420 | 0.470 | 0.560 | 1.030 | | | 355.0 |
| 80 12 08 1130 | | .3 | 1 | 0.060 | 0.620 | 0.006 | 0.450 | 0.516 | 0.560 | 1.076 | | | 465.0 |
| | MAXIMUM | | | 0.080 | 0.950 | 0.038 | 0.460 | 0.516 | 0.880 | 1.076 | 11.0 | 260.000 | 465.0 |
| | ARITH MEAN | | | 0.052L | 0.672 | 0.010 | 0.179L | 0.241 | 0.622 | 0.873 | 5.6 | 207 | 326 |
| | GEOM MEAN | | | 0.046L | 0.661 | 0.007 | 0.103L | 0.186 | 0.612 | 0.868 | 4.5 | 204 | 319 |
| | MINIMUM | | | 0.010< | 0.490 | 0.002 | 0.020< | 0.034 | 0.450 | 0.652 | 2.0 | 135.0 | 245.0 |
| | STD DEV | | | 0.020L | 0.134 | 0.010 | 0.168L | 0.163 | 0.123 | 0.160 | 3.7 | 37 | 64 |
| | NO OF SAMPLES | | | 12 | 11 | 12 | 12 | 12 | 11 | 11 | 7 | 8 | 12 |

(CONTD)

B.O.W./ SITE: **RIDEAU RIVER**
SAMPLE POINT: **ST. PATRICK STREET BRIDGE OTTAWA**
STATION TYPE: **RIVER FLOW GAUGE FED 02LA004**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **RIDEAU RIVER**

STATION ID: **18-0033-034-02**
STORET CODE: **02**
**006**
**1710**

LAT: LONG: U T M: **18 0446000.0 5031525.0 4** REGION: **04** DISTANCE: **1.000**

| | | | | TEST-NAME: TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 08 1230 | | .3 | 1 | 5.30 | 18.500 | |
| 80 02 04 1200 | | .3 | 1 | 3.50 | 12.000 | |
| 80 03 03 1150 | | .3 | 1 | 2.10 | 15.000 | |
| 80 04 14 1155 | | .3 | 1 | 7.40 | 11.000 | |
| 80 05 12 1215 | | .3 | 1 | 1.30 | 11.000 | |
| 80 06 09 1145 | | .3 | 1 | 2.10 | 11.000 | |
| 80 07 07 1200 | | .3 | 1 | 1.90 | 9.5 | |
| 80 08 06 1145 | | .3 | 1 | 1.10 | 13.000 | |
| 80 09 08 1040 | | .3 | 1 | 1.20 | | |
| 80 10 06 1125 | | .3 | 1 | 1.30 | | |
| 80 11 04 1135 | | .3 | 1 | 4.80 | | 7.80 |
| 80 12 08 1130 | | .3 | 1 | 2.70 | | 7.80 |
| | | MAXIMUM | | 7.40 | 18.500 | 7.80 |
| | | ARITH MEAN | | 2.89 | 12.6 | 7.80 |
| | | GEOM MEAN | | 2.38 | 12.3 | 7.80 |
| | | MINIMUM | | 1.10 | 9.5 | 7.80 |
| | | STD DEV | | 1.99 | 2.9 | 0.00 |
| | | NO OF SAMPLES | | 12 | 8 | 2 |

B.O.W./ SITE: **RIDEAU RIVER**
SAMPLE POINT: **AT NICOLSON'S LOCK ANDREWSVILLE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **RIDEAU RIVER**

STATION ID: **18-0033-035-02**
STORET CODE: **02**
**006**
**1710**

LAT: LONG: U T M: **18 0435300.0 4977600.0 4** REGION: **04** DISTANCE: **73.545**

| | | | | TEST-NAME: SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 03 03 0835 | | .3 | 1 | 18050 | 6 | | , | 0.0 | 10.0 | 0.1< | 0.022 | 0.010 | 0.070 |
| 80 05 12 0810 | | .3 | 1 | 18092 | 6 | 4< | 4< | 11.0 | 10.0 | 1.3 | 0.030 | 0.002 | 0.030 |
| 80 06 09 0830 | | .3 | 1 | 18113 | 6 | 4< | 1520 | 17.0 | 8.0 | 0.5 | 0.120 | 0.016 | 0.030 |
| 80 07 07 0830 | | .3 | 1 | 18125 | 5 8 | 4 | 108 | 21.5 | 6.0 | 1.5 | 0.052 | 0.016 | 0.140 |
| 80 08 06 0830 | | .3 | 1 | 18135 | 5 8 | 8 | 40 | 25.0 | 7.0 | 1.2 | 0.042 | 0.016 | 0.110 |
| 80 09 08 0810 | | .3 | 1 | 18145 | 5 8 | | | 21.0 | 8.0 | 0.4 | 0.038 | 0.006 | 0.050 |
| 80 10 06 0820 | | .3 | 1 | 18155 | 6 | 8 | 12 | 11.0 | 6.0 | 1.0 | 0.010 | 0.002 | 0.020 |
| 80 11 04 0800 | | .3 | 1 | 18165 | 6 | 4 | 4< | 4.0 | 6.0 | 0.1< | 0.026 | 0.006 | 0.03 |
| 80 12 08 0835 | | .3 | 1 | 18176 | 6 | 176 | 32 | 0.0 | 13.0 | 0.8 | 0.020 | 0.008 | 0.060 |
| | | MAXIMUM | | | | 176 | 1520 | 25.0 | 13.0 | 1.5 | 0.120 | 0.016 | 0.140 |
| | | ARITH MEAN | | | | 30L | 246L | 12.3 | 8.2 | 0.8L | 0.040 | 0.009 | 0.06 |
| | | GEOM MEAN | | | | 8L | 33L | 7.7 | 7.9 | 0.5L | 0.032 | 0.007 | 0.04 |
| | | MINIMUM | | | | 4< | 4< | 0.0 | 6.0 | 0.1< | 0.010 | 0.002 | 0.020 |
| | | STD DEV | | | | 65L | 563L | 9.5 | 2.4 | 0.5L | 0.033 | 0.006 | 0.04 |
| | | NO OF SAMPLES | | | | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 9 |

| | | | | TEST-NAME: NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 03 03 0835 | | .3 | 1 | 0.560 | 0.002 | 0.100 | 0.172 | 0.490 | 0.662 | 2.0 | 182.000 | 280.0 | 1.50 |
| 80 05 12 0810 | | .3 | 1 | 0.600 | 0.004 | 0.020< | 0.054 | 0.570 | 0.624 | 4.0 | 146.000 | 225.0 | 1.90 |
| 80 06 09 0830 | | .3 | 1 | 1.250 | 0.004 | 0.040 | 0.074 | 1.220 | 1.294 | 4.0 | 153.000 | 235.0 | 1.40 |
| 80 07 07 0830 | | .3 | 1 | 0.820 | 0.022 | 0.060 | 0.222 | 0.680 | 0.902 | 1.0 | 127 | 195 | 3.40 |
| 80 08 06 0830 | | .3 | 1 | 0.760 | 0.010 | 0.050 | 0.170 | 0.650 | 0.820 | 5.0 | 170.0 | 600.0 | 1.50 |
| 80 09 08 0810 | | .3 | 1 | 0.710 | 0.024 | 0.040 | 0.114 | 0.660 | 0.774 | | | 200.0 | 1.20 |
| 80 10 06 0820 | | .3 | 1 | 0.330 | 0.004 | 0.020 | 0.044 | 0.310 | 0.354 | | | 220.0 | 0.60 |
| 80 11 04 0800 | | .3 | 1 | 0.57 | 0.007 | 0.15 | 0.187 | 0.540 | 0.727 | | | 270 | 2.3 |
| 80 12 08 0835 | | .3 | 1 | 0.470 | 0.002 | 0.200 | 0.262 | 0.410 | 0.672 | | | 315.0 | 1.60 |
| | | MAXIMUM | | 1.250 | 0.024 | 0.200 | 0.262 | 1.220 | 1.294 | 5.0 | 182.000 | 600.0 | 3.40 |
| | | ARITH MEAN | | 0.67 | 0.009 | 0.07 L | 0.144 | 0.614 | 0.759 | 3.2 | 156 | 282 | 1.7 |
| | | GEOM MEAN | | 0.63 | 0.006 | 0.06 L | 0.123 | 0.576 | 0.721 | 2.8 | 154 | 265 | 1.6 |
| | | MINIMUM | | 0.330 | 0.002 | 0.020< | 0.044 | 0.310 | 0.354 | 1.0 | 127 | 195 | 0.60 |
| | | STD DEV | | 0.26 | 0.008 | 0.06 L | 0.077 | 0.258 | 0.253 | 1.6 | 21 | 125 | 0.7 |
| | | NO OF SAMPLES | | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 5 | 9 | 9 |

| | | | | TEST-NAME: CLIDUR | PH |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 03 03 0835 | | .3 | 1 | 9.500 | |
| 80 05 12 0810 | | .3 | 1 | 6.300 | |
| 80 06 09 0830 | | .3 | 1 | 7.000 | |
| 80 07 07 0830 | | .3 | 1 | 8.0 | |
| 80 08 06 0830 | | .3 | 1 | 7.300 | |
| 80 09 08 0810 | | .3 | 1 | 6.800 | |
| 80 10 06 0820 | | .3 | 1 | 7.000 | |
| 80 11 04 0800 | | .3 | 1 | 8.5 | 8.1 |
| 80 12 08 0835 | | .3 | 1 | 9.800 | 7.70 |
| | | MAXIMUM | | 9.800 | 8.1 |
| | | ARITH MEAN | | 7.8 | 7.9 |
| | | GEOM MEAN | | 7.7 | 7.9 |
| | | MINIMUM | | 6.300 | 7.70 |
| | | STD DEV | | 1.2 | 0.3 |
| | | NO OF SAMPLES | | 9 | 2 |

SAMPLE INFORMATION SYSTEM　　1980 WATER QUALITY DATA　　DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **JOCK RIVER**
SAMPLE POINT: **AT MOODIE DRIVE BRIDGE**
STATION TYPE: **RIVER　FLOW GAUGE FED 02LA007**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **RIDEAU RIVER**

STATION ID: **18-0033-036-02**
STORET CODE: **02**
**006**
**1710**

LAT:　LONG:　U T M: **18 0437900.0 5010750.0 4**　REGION: **04**　DISTANCE: **33.313**

| | TEST-NAME: | | | SAMPLE | FWSTRC | FWFLOW | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P |
| 80 09 08 1230 | | .3 | 1 | 18151 | 6 7 | 0.345 | | | 20.0 | 9.0 | 0.2 | 0.060 | 0.036 |
| 80 10 06 1230 | | .3 | 1 | 18161 | 6 | 1.310 | 480 | 240 | 10.0 | 3.0 | 1.4 | 0.020 | 0.002< |
| 80 11 04 1235 | | .3 | 1 | 18171 | 6 | 4.130 | 96 | 96 | 4.0 | 7.0 | 0.1< | 0.044 | 0.020 |
| 80 12 08 1215 | | .3 | 1 | 18183 | 6 | 5.450 | 24 | 44 | 0.0 | 8.0 | 0.4 | 0.020 | 0.002< |
| MAXIMUM | | | | | | 5.450 | 480 | 240 | 20.0 | 9.0 | 1.4 | 0.060 | 0.036 |
| ARITH MEAN | | | | | | 2.809 | 200 | 127 | 8.5 | 6.7 | 0.5L | 0.036 | 0.015L |
| GEOM MEAN | | | | | | 1.786 | 103 | 100 | 5.3 | 6.2 | 0.3L | 0.032 | 0.007L |
| MINIMUM | | | | | | 0.345 | 24 | 44 | 0.0 | 3.0 | 0.1< | 0.020 | 0.002< |
| STD DEV | | | | | | 2.383 | 245 | 102 | 8.7 | 2.6 | 0.6L | 0.020 | 0.016L |
| NO OF SAMPLES | | | | | | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |

| | TEST-NAME: | | | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 09 08 1230 | | .3 | 1 | 0.100 | 1.350 | 0.036 | 0.120 | 0.256 | 1.250 | 1.506 | 480.0 | 1.80 | 30.000 |
| 80 10 06 1230 | | .3 | 1 | 0.030 | 0.850 | 0.020 | 1.840 | 1.890 | 0.820 | 2.710 | 540.0 | 2.50 | 39.000 |
| 80 11 04 1235 | | .3 | 1 | 0.130 | 0.980 | 0.016 | 0.560 | 0.706 | 0.850 | 1.556 | 485.0 | 2.70 | 28.000 |
| 80 12 08 1215 | | .3 | 1 | 0.020 | 0.610 | 0.006 | 0.290 | 0.316 | 0.590 | 0.906 | 430.0 | 1.10 | 12.000 |
| MAXIMUM | | | | 0.130 | 1.350 | 0.036 | 1.840 | 1.890 | 1.250 | 2.710 | 540.0 | 2.70 | 39.000 |
| ARITH MEAN | | | | 0.070 | 0.947 | 0.019 | 0.702 | 0.792 | 0.877 | 1.669 | 483.7 | 2.02 | 27.250 |
| GEOM MEAN | | | | 0.053 | 0.910 | 0.016 | 0.435 | 0.573 | 0.847 | 1.549 | 482.2 | 1.91 | 25.040 |
| MINIMUM | | | | 0.020 | 0.610 | 0.006 | 0.120 | 0.256 | 0.590 | 0.906 | 430.0 | 1.10 | 12.000 |
| STD DEV | | | | 0.054 | 0.309 | 0.012 | 0.780 | 0.759 | 0.274 | 0.754 | 45.0 | 0.73 | 11.236 |
| NO OF SAMPLES | | | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

| | TEST-NAME: | | | PH |
|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PH |
| 80 11 04 1235 | | .3 | 1 | 7.90 |
| 80 12 08 1215 | | .3 | 1 | 7.40 |
| MAXIMUM | | | | 7.90 |
| ARITH MEAN | | | | 7.65 |
| GEOM MEAN | | | | 7.65 |
| MINIMUM | | | | 7.40 |
| STD DEV | | | | 0.35 |
| NO OF SAMPLES | | | | 2 |

B.O.W./ SITE: **RIDEAU RIVER**
SAMPLE POINT: **AT LONG ISLAND GAUGING STATION**
STATION TYPE: **RIVER　FLOW GAUGE FED 02LA012**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **RIDEAU RIVER**

STATION ID: **18-0033-037-02**
STORET CODE: **02**
**006**
**1710**

LAT:　LONG:　U T M: **18 0444650.0 5010600.0 4**　REGION: **04**　DISTANCE: **25.910**

| | TEST-NAME: | | | SAMPLE | FWSTRC | FWFLOW | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P |
| 80 11 04 1015 | | .3 | 1 | 18175 | 6 | 16.300 | 12 | 20 | 4.0 | 8.0 | 0.5 | 0.034 | 0.008 |
| 80 12 08 1005 | | .3 | 1 | 18179 | 6 | 44.900 | 48 | 144 | 0.0 | 13.0 | 0.4 | 0.030 | 0.008 |
| MAXIMUM | | | | | | 44.900 | 48 | 144 | 4.0 | 13.0 | 0.5 | 0.034 | 0.008 |
| ARITH MEAN | | | | | | 30.600 | 30 | 82 | 2.0 | 10.5 | 0.4 | 0.032 | 0.008 |
| GEOM MEAN | | | | | | 27.053 | 24 | 54 | 2.0 | 10.2 | 0.4 | 0.032 | 0.008 |
| MINIMUM | | | | | | 16.300 | 12 | 20 | 0.0 | 8.0 | 0.4 | 0.030 | 0.008 |
| STD DEV | | | | | | 20.223 | 25 | 88 | 2.8 | 3.5 | 0.1 | 0.003 | 0.000 |
| NO OF SAMPLES | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| | TEST-NAME: | | | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 11 04 1015 | | .3 | 1 | 0.030 | 0.610 | 0.008 | 0.250 | 0.288 | 0.580 | 0.868 | 310.0 | 2.70 | 11.000 |
| 80 12 08 1005 | | .3 | 1 | 0.060 | 0.540 | 0.006 | 0.310 | 0.376 | 0.480 | 0.856 | 370.0 | 2.70 | 12.000 |
| MAXIMUM | | | | 0.060 | 0.610 | 0.008 | 0.310 | 0.376 | 0.580 | 0.868 | 370.0 | 2.70 | 12.000 |
| ARITH MEAN | | | | 0.045 | 0.575 | 0.007 | 0.280 | 0.332 | 0.530 | 0.862 | 340.0 | 2.70 | 11.500 |
| GEOM MEAN | | | | 0.042 | 0.574 | 0.007 | 0.278 | 0.329 | 0.528 | 0.862 | 338.7 | 2.70 | 11.489 |
| MINIMUM | | | | 0.030 | 0.540 | 0.006 | 0.250 | 0.288 | 0.480 | 0.856 | 310.0 | 2.70 | 11.000 |
| STD DEV | | | | 0.021 | 0.049 | 0.001 | 0.042 | 0.062 | 0.071 | 0.008 | 42.4 | 0.00 | 0.707 |
| NO OF SAMPLES | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

(CONTD)

B.O.W./ SITE: **RIDEAU RIVER**
SAMPLE POINT: **AT LONG ISLAND GAUGING STATION**
STATION TYPE: **RIVER FLOW GAUGE FED 02LA012**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **RIDEAU RIVER**

STATION ID: **18-0033-037-02**
STORET CODE: **02**
**006**
**1710**

LAT: LONG: U T M: **18 0444650.0 5010600.0 4** REGION: **04** DISTANCE: **25.910**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH |
|---|---|---|---|---|---|
| | | | TEST-NAME: | | PH |
| 80 11 04 1015 | | | .3 | 1 | 7.90 |
| 80 12 08 1005 | | | .3 | 1 | 7.70 |
| MAXIMUM | | | | | 7.90 |
| ARITH MEAN | | | | | 7.80 |
| GEOM MEAN | | | | | 7.80 |
| MINIMUM | | | | | 7.70 |
| STD DEV | | | | | 0.14 |
| NO OF SAMPLES | | | | | 2 |

B.O.W./ SITE: **SOUTH NATION RIVER**
SAMPLE POINT: **HIGHWAY 17 PLANTAGENET**
STATION TYPE: **RIVER FLOW GAUGE FED 02LB005**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **SOUTH NATION RIVER**

STATION ID: **18-2070-020-02**
STORET CODE: **02**
**006**
**1170**

LAT: LONG: U T M: **18 0495000.0 5044875.0 4** REGION: **04** DISTANCE: **10.300**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST-NAME: | | SAMPLE | FWSTRC | FWFLOW | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR |
| 80 06 23 1330 | | | .3 | 1 | 15410 | 6 | 3.110 | | | 26.0 | 10.6 | 1.3 | 0.068 | 0.012 |
| 80 07 21 1600 | | | .3 | 1 | 15411 | 6 | 1.920 | 160 | 2400 | 26.0 | 10.4 | 2.3 | 0.114 | 0.076 |
| 80 08 19 1540 | | | .3 | 1 | 15412 | 6 | 2.220 | | | 25.0 | 9.8 | 4.7 | 0.172 | 0.042 |
| 80 09 22 1200 | | | .3 | 1 | 15413 | | 1.960 | 108 | 76 | | | 1.8 | 0.136 | 0.050 |
| 80 10 31 1330 | | | .3 | 1 | 15414 | 6 | 47.400 | | | 0.8 | 2.4 | 1.0 | 0.154 | 0.078 |
| 80 12 02 0930 | | | .3 | 1 | 15415 | 6 | 99.900 | 520 | 1240 | 2.0 | | 1.0 | 0.104 | 0.048 |
| 80 12 22 1430 | | | .3 | 1 | 15416 | 4 | 20.000 | | | 1.0 | 13.0 | 0.8 | 0.056 | 0.034 |
| MAXIMUM | | | | | | | 99.900 | 520 | 2400 | 26.0 | 13.0 | 4.7 | 0.172 | 0.078 |
| ARITH MEAN | | | | | | | 25.216 | 263 | 1239 | 13.5 | 9.2 | 1.8 | 0.115 | 0.049 |
| GEOM MEAN | | | | | | | 8.185 | 208 | 609 | 5.5 | 8.0 | 1.5 | 0.107 | 0.042 |
| MINIMUM | | | | | | | 1.920 | 108 | 76 | 0.8 | 2.4 | 0.8 | 0.056 | 0.012 |
| STD DEV | | | | | | | 36.964 | 224 | 1162 | 13.4 | 4.0 | 1.4 | 0.043 | 0.023 |
| NO OF SAMPLES | | | | | | | 7 | 3 | 3 | 6 | 5 | 7 | 7 | 7 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST-NAME: | | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | COND25 | TURB | CLIDUR |
| 80 06 23 1330 | | | .3 | 1 | 0.070 | 1.000 | 0.008 | 0.030 | 0.108 | 0.930 | 1.038 | 480.0 | 7.40 | 31.000 |
| 80 07 21 1600 | | | .3 | 1 | 0.460 | 1.180 | 0.021 | 0.110 | 0.591 | 0.720 | 1.311 | 460.0 | 3.90 | 38.000 |
| 80 08 19 1540 | | | .3 | 1 | 0.120 | 1.500 | 0.022 | 0.020< | 0.162 | 1.380 | 1.542 | 495.0 | 27.00 | 5.000 |
| 80 09 22 1200 | | | .3 | 1 | | 1.450 | 0.980 | | | | | 470.0 | 28.00 | 45.000 |
| 80 10 31 1330 | | | .3 | 1 | 0.050 | 1.140 | 0.024 | 1.560 | 1.634 | 1.090 | 2.724 | 510.0 | 32.00 | 31.000 |
| 80 12 02 0930 | | | .3 | 1 | 0.080 | 0.680 | 0.014 | 1.400 | 1.494 | 0.600 | 2.094 | 540.0 | 20.00 | 29.000 |
| 80 12 22 1430 | | | .3 | 1 | 0.020 | 0.730 | 0.090 | 0.540 | 0.650 | 0.710 | 1.360 | 540.0 | 7.50 | 28.000 |
| MAXIMUM | | | | | 0.460 | 1.500 | 0.980 | 1.560 | 1.634 | 1.380 | 2.724 | 540.0 | 32.00 | 45.000 |
| ARITH MEAN | | | | | 0.133 | 1.097 | 0.166 | 0.610L | 0.773 | 0.905 | 1.678 | 499.3 | 17.97 | 29.571 |
| GEOM MEAN | | | | | 0.082 | 1.065 | 0.038 | 0.207L | 0.504 | 0.868 | 1.592 | 498.4 | 13.99 | 25.320 |
| MINIMUM | | | | | 0.020 | 0.680 | 0.008 | 0.020< | 0.108 | 0.600 | 1.038 | 460.0 | 3.90 | 5.000 |
| STD DEV | | | | | 0.163 | 0.320 | 0.360 | 0.702L | 0.652 | 0.292 | 0.621 | 32.2 | 11.56 | 12.381 |
| NO OF SAMPLES | | | | | 6 | 7 | 7 | 6 | 6 | 6 | 6 | 7 | 7 | 7 |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH |
|---|---|---|---|---|---|
| | | | TEST-NAME: | | PH |
| 80 10 31 1330 | | | .3 | 1 | 7.70 |
| 80 12 02 0930 | | | .3 | 1 | 7.70 |
| 80 12 22 1430 | | | .3 | 1 | 7.70 |
| MAXIMUM | | | | | 7.70 |
| ARITH MEAN | | | | | 7.70 |
| GEOM MEAN | | | | | 7.70 |
| MINIMUM | | | | | 7.70 |
| STD DEV | | | | | 0.00 |
| NO OF SAMPLES | | | | | 3 |

B.O.W./ SITE: **SCOTCH RIVER EAST**
SAMPLE POINT: **AT CONC.17 DOWNSTREAM FROM ST.ISIDORE**
STATION TYPE: **RIVER FLOW GAUGE FED 02LB012**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **OTTAWA RIVER**
TERM STREAM **SOUTH NATION RIVER**

STATION ID: **18-2070-040-02**
STORET CODE: **02 006 1170**

LAT: LONG: U T M: **18 0505850.0 5025275.0 4** REGION **04** DISTANCE **48.801**

| TEST-NAME: SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE: SAMPLE NUMBER | FWSTRC: STREAM COND. | FWFLOW: STREAM FLOW M3 /S | FCMF: FECAL COLIFORM MF CNT /100ML | FSMF: FECAL STREPCUS MF CNT /100ML | FWTEMP: WATER TEMP DEG.C | DO: DISOLVED OXYGEN MG/L AS O | BOD5: BOD 5 DAY TOT.DEM. MG/L AS O | PPUT: PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR: PO4 FIL.REAC MG/L AS P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 06 25 1520 | | | .3 | 1 | 15236 | 5 8 | 0.042 | 610 | 70I | 28.0 | 10.0 | 1.0 | 0.096 | 0.060 |
| 80 07 23 1330 | | | .3 | 1 | 15330 | 5 7 | 0.021 | 700I | 248 | 23.0 | 9.0 | 4.9 | 0.400 | 0.250 |
| 80 08 14 1315 | | | .3 | 1 | 15335 | 7 5 | 0.010 | 1730 | 200 | 21.0 | 6.0 | 3.0 | 0.510 | 0.330 |
| 80 09 24 1605 | | | .3 | 1 | 15340 | 3 7 | 0.848 | 2800C | 840 | 16.0 | 8.0 | | | |
| 80 10 29 1150 | | | .3 | 1 | 15345 | 3 | 2.050 | 324 | 348 | 2.5 | 13.0 | 1.1 | 0.052 | 0.028 |
| 80 11 26 1450 | | | .3 | 1 | 15350 | 3 | 2.350 | 1000 | 1480 | 1.0 | 13.0 | 1.4 | 0.134 | 0.072 |
| 80 12 22 1345 | | | .3 | 1 | 15355 | 4 | | | | 0.0 | 12.0 | 0.7 | 0.054 | 0.028 |
| MAXIMUM | | | | | | | **2.350** | **2800** | **1480** | **28.0** | **13.0** | **4.9** | **0.510** | **0.330** |
| ARITH MEAN | | | | | | | **0.887** | **1194** | **631** | **13.1** | **10.1** | **2.0** | **0.208** | **0.128** |
| GEOM MEAN | | | | | | | **0.182** | **935** | **338** | **6.6** | **9.8** | **1.6** | **0.139** | **0.081** |
| MINIMUM | | | | | | | **0.010** | **324** | **70** | **0.0** | **6.0** | **0.7** | **0.052** | **0.028** |
| STD DEV | | | | | | | **1.070** | **922** | **635** | **11.7** | **2.7** | **1.6** | **0.197** | **0.129** |
| NO OF SAMPLES | | | | | | | **6** | **6** | **6** | **7** | **7** | **6** | **6** | **6** |

| TEST-NAME: SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NNHTFR: NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR: K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR: NO2-N FIL.REAC MG/L AS N | NNO3FR: NO3-N FIL REAC MG/L AS N | NNTIFR: ORG N TOTAL FIL.REAC MG/L | NNKUR: KJELDAHL ORGANIC UNF.REAC MG/L | NNKI: TOTAL N MG/L AS N | COND25: CONDUCT. 25C UMHO/CM AT 25 C | TURB: TURB'ITY FTU | CLIDUR: CHLORIDE UNF.REAC MG/L AS CL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 06 25 1520 | | | .3 | 1 | 0.040 | 0.560 | 0.062 | 0.030 | 0.132 | 0.520 | 0.652 | 49.0 | 52.00 | 24.300 |
| 80 07 23 1330 | | | .3 | 1 | 0.04 | 1.15 | 0.070 | 0.31 | 0.420 | 1.110 | 1.530 | 760 | 47 | 51 |
| 80 08 14 1315 | | | .3 | 1 | 0.110 | 1.600 | 0.082 | 0.960 | 1.152 | 1.490 | 2.642 | 840.0 | 52.00 | 92.000 |
| 80 10 29 1150 | | | .3 | 1 | 0.030 | 0.650 | 0.010 | 0.780 | 0.820 | 0.620 | 1.440 | 460.0 | 16.00 | 13.000 |
| 80 11 26 1450 | | | .3 | 1 | 0.040 | 0.760 | 0.012 | 1.550 | 1.602 | 0.720 | 2.322 | 510.0 | 38.00 | 14.000 |
| 80 12 22 1345 | | | .3 | 1 | 0.010 | 0.580 | 0.008 | 0.890 | 0.908 | 0.570 | 1.478 | 500.0 | 15.00 | 13.000 |
| MAXIMUM | | | | | **0.110** | **1.600** | **0.082** | **1.550** | **1.602** | **1.490** | **2.642** | **840.0** | **52.00** | **92.000** |
| ARITH MEAN | | | | | **0.04** | **0.88** | **0.041** | **0.75** | **0.839** | **0.838** | **1.677** | **519** | **36** | **34** |
| GEOM MEAN | | | | | **0.03** | **0.81** | **0.026** | **0.46** | **0.651** | **0.776** | **1.534** | **392** | **32** | **25** |
| MINIMUM | | | | | **0.010** | **0.560** | **0.008** | **0.030** | **0.132** | **0.520** | **0.652** | **49.0** | **15.00** | **13.000** |
| STD DEV | | | | | **0.03** | **0.41** | **0.034** | **0.53** | **0.522** | **0.383** | **0.709** | **277** | **17** | **31** |
| NO OF SAMPLES | | | | | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** |

| TEST-NAME: SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH: PH |
|---|---|---|---|---|---|
| 80 11 26 1450 | | | .3 | 1 | 8.00 |
| 80 12 22 1345 | | | .3 | 1 | 7.70 |
| MAXIMUM | | | | | **8.00** |
| ARITH MEAN | | | | | **7.85** |
| GEOM MEAN | | | | | **7.85** |
| MINIMUM | | | | | **7.70** |
| STD DEV | | | | | **0.21** |
| NO OF SAMPLES | | | | | **2** |

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B.O.W./ SITE **SCOTCH RIVER EAST**
SAMPLE POINT **AT CONC.19 UPSTREAM FROM ST.ISIDORE**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **OTTAWA RIVER**
TERM STREAM **SOUTH NATION RIVER**

STATION ID **18-2070-060-02**
STORET CODE: **02 006 1170**

LAT: LONG: U T M **18 0507200.0 5024300.0 4** REGION **04** DISTANCE: **51.015**

| TEST-NAME: SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE: SAMPLE NUMBER | FWSTRC: STREAM COND. | FWTEMP: WATER TEMP DEG.C | DO: DISOLVED OXYGEN MG/L AS O | PPUT: PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR: PO4 FIL.REAC MG/L AS P | NNHTFR: NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR: K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR: NO2-N FIL.REAC MG/L AS N | NNO3FR: NO3-N FIL.REAC MG/L AS N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 06 25 1502 | | | .3 | 1 | 15235 | 5 8 | 28.0 | 11.0 | 0.106 | 0.060 | 0.070 | 0.590 | 0.033 | 0.010 |
| 80 07 23 1350 | | | .3 | 1 | 15331 | 7 | 23.0 | 8.0 | 0.480 | 0.390 | 0.150 | 1.000 | 0.034 | 0.090 |
| 80 08 14 1340 | | | .3 | 1 | 15336 | 7 5 | 20.0 | 8.0 | 0.480 | 0.240 | 0.200 | 1.150 | 0.050 | 0.050 |
| 80 09 24 1620 | | | .3 | 1 | 15341 | 3 7 | 16.0 | 8.0 | 0.164 | 0.104 | 0.050 | 0.950 | 0.038 | 1.460 |
| 80 10 29 1045 | | | .3 | 1 | 15346 | 3 | 2.0 | 13.0 | 0.044 | 0.022 | 0.030 | 0.680 | 0.006 | 0.570 |
| 80 11 26 1420 | | | .3 | 1 | 15351 | 3 | 1.0 | 15.0 | 0.140 | 0.062 | 0.020 | 0.790 | 0.010 | 1.350 |
| 80 12 22 1415 | | | .3 | 1 | 15356 | 4 | 0.0 | 18.0 | 0.052 | 0.022 | 0.010 | 0.580 | 0.018 | 0.620 |
| MAXIMUM | | | | | | | **28.0** | **18.0** | **0.480** | **0.390** | **0.200** | **1.150** | **0.050** | **1.460** |
| ARITH MEAN | | | | | | | **12.9** | **11.6** | **0.209** | **0.129** | **0.076** | **0.820** | **0.027** | **0.593** |
| GEOM MEAN | | | | | | | **6.3** | **11.0** | **0.144** | **0.078** | **0.048** | **0.795** | **0.022** | **0.227** |
| MINIMUM | | | | | | | **0.0** | **8.0** | **0.044** | **0.022** | **0.010** | **0.580** | **0.006** | **0.010** |
| STD DEV | | | | | | | **11.7** | **4.0** | **0.190** | **0.137** | **0.072** | **0.220** | **0.016** | **0.607** |
| NO OF SAMPLES | | | | | | | **7** | **7** | **7** | **7** | **7** | **7** | **7** | **7** |

| TEST-NAME: SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NNTIFR: ORG N TOTAL FIL.REAC MG/L | NNKUR: KJELDAHL ORGANIC UNF.REAC MG/L | NNKI: TOTAL N MG/L AS N | COND25: CONDUCT. 25C UMHO/CM AT 25 C | TURB: TURB'ITY FTU | PH: PH |
|---|---|---|---|---|---|---|---|---|---|---|
| 80 06 25 1502 | | | .3 | 1 | 0.113 | 0.520 | 0.633 | 420.0 | 12.00 | |
| 80 07 23 1350 | | | .3 | 1 | 0.274 | 0.850 | 1.124 | 495.0 | 73.00 | |
| 80 08 14 1340 | | | .3 | 1 | 0.300 | 0.950 | 1.250 | 610.0 | 70.00 | |
| 80 09 24 1620 | | | .3 | 1 | 1.548 | 0.900 | 2.448 | 460.0 | 19.00 | |
| 80 10 29 1045 | | | .3 | 1 | 0.606 | 0.650 | 1.256 | 390.0 | 5.60 | |
| 80 11 26 1420 | | | .3 | 1 | 1.380 | 0.770 | 2.150 | 425.0 | 33.00 | 7.90 |
| 80 12 22 1415 | | | .3 | 1 | 0.648 | 0.570 | 1.218 | 440.0 | 7.50 | 7.60 |
| MAXIMUM | | | | | **1.548** | **0.950** | **2.448** | **610.0** | **73.00** | **7.90** |
| ARITH MEAN | | | | | **0.696** | **0.744** | **1.440** | **462.9** | **31.44** | **7.75** |
| GEOM MEAN | | | | | **0.500** | **0.727** | **1.325** | **458.4** | **20.67** | **7.75** |
| MINIMUM | | | | | **0.113** | **0.520** | **0.633** | **390.0** | **5.60** | **7.60** |
| STD DEV | | | | | **0.580** | **0.167** | **0.631** | **72.8** | **28.84** | **0.21** |
| NO OF SAMPLES | | | | | **7** | **7** | **7** | **7** | **7** | **2** |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./SITE: **SOUTH NATION RIVER**
SAMPLE POINT: **AT DAM DOWNSTREAM OF CASSELMAN**
STATION TYPE: **RIVER FLOW GAUGE FED 02LB013**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **SOUTH NATION RIVER**

STATION ID: **18-2070-100-02**
STORET CODE: **02**
**006**
**1170**

LAT: LONG: U T M: **18 0492700.0 5018125.0 4** REGION: **04** DISTANCE: **62.763**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 06 25 1615 | | | .3 | 1 | 15237 | 5 8 | 0.863 | 28.0 | 9.0 | 0.104 | 0.085 | 0.120 | 0.790 | 0.006 |
| 80 07 23 1545 | | | .3 | 1 | 15334 | 8 | 0.708 | 22.0 | 8.0 | 0.154 | 0.114 | 0.060 | 0.850 | 0.006 |
| 80 08 14 1520 | | | .3 | 1 | 15339 | 5 8 | 0.476 | 23.0 | 8.0 | 0.180 | 0.144 | 0.040 | 1.040 | 0.004 |
| 80 09 24 1515 | | | .3 | 1 | 15344 | 8 | 4.180 | 17.0 | 8.0 | 0.220 | 0.160 | 0.040 | 1.200 | 0.032 |
| 80 10 29 1440 | | | .3 | 1 | 15349 | 3 | 45.100 | 3.0 | 11.0 | 0.166 | 0.095 | 0.080 | 1.100 | 0.070 |
| 80 11 26 1520 | | | .3 | 1 | 15354 | 3 | 52.400 | 1.0 | 14.0 | 0.300 | 0.270 | 0.140 | 0.900 | 0.016 |
| 80 12 22 1610 | | | 3 | 1 | 15359 | 4 | 12.700 | 0.0 | | 0.040 | 0.022 | 0.010 | 0.320 | 0.124 |
| MAXIMUM | | | | | | | **52.400** | **28.0** | **14.0** | **0.300** | **0.270** | **0.140** | **1.200** | **0.124** |
| ARITH MEAN | | | | | | | **16.632** | **13.4** | **9.7** | **0.166** | **0.127** | **0.070** | **0.886** | **0.037** |
| GEOM MEAN | | | | | | | **4.485** | **6.9** | **9.4** | **0.144** | **0.103** | **0.064** | **0.827** | **0.018** |
| MINIMUM | | | | | | | **0.476** | **0.0** | **8.0** | **0.040** | **0.022** | **0.010** | **0.320** | **0.004** |
| STD DEV | | | | | | | **22.448** | **11.8** | **2.4** | **0.083** | **0.077** | **0.047** | **0.288** | **0.046** |
| NO OF SAMPLES | | | | | | | **7** | **7** | **6** | **7** | **7** | **7** | **7** | **7** |

| TEST-NAME: | | | | | NNO3FR | NNTIFR | NNKUR | NNKI | COND25 | TURB | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | PH |
| 80 06 25 1615 | | | 3 | 1 | 0.020< | 0.146 | 0.670 | 0.816 | 550.0 | 2.60 | |
| 80 07 23 1545 | | | .3 | 1 | 0.020< | 0.086 | 0.790 | 0.876 | 580.0 | 4.70 | |
| 80 08 14 1520 | | | 3 | 1 | 0.020< | 0.064 | 1.000 | 1.064 | 550.0 | 5.00 | |
| 80 09 24 1515 | | | 3 | 1 | 0.150 | 0.222 | 1.160 | 1.382 | 540.0 | 8.00 | |
| 80 10 29 1440 | | | 3 | 1 | 2.900 | 3.050 | 1.020 | 4.070 | 520.0 | 20.00 | |
| 80 11 26 1520 | | | .3 | 1 | 0.940 | 1.096 | 0.760 | 1.856 | 580.0 | 8.50 | 7.90 |
| 80 12 22 1610 | | | .3 | 1 | 1.020 | 1.154 | 0.310 | 1.464 | 660.0 | 4.00 | 7.60 |
| MAXIMUM | | | | | **2.900** | **3.050** | **1.160** | **4.070** | **660.0** | **20.00** | **7.90** |
| ARITH MEAN | | | | | **0.724L** | **0.831** | **0.816** | **1.647** | **568.6** | **7.54** | **7.75** |
| GEOM MEAN | | | | | **0.165L** | **0.353** | **0.761** | **1.420** | **567.1** | **6.15** | **7.75** |
| MINIMUM | | | | | **0.020<** | **0.064** | **0.310** | **0.816** | **520.0** | **2.60** | **7.60** |
| STD DEV | | | | | **1.056L** | **1.086** | **0.281** | **1.129** | **45.6** | **5.89** | **0.21** |
| NO OF SAMPLES | | | | | **7** | **7** | **7** | **7** | **7** | **7** | **2** |

B.O.W./SITE: **SOUTH NATION RIVER**
SAMPLE POINT: **AT DAM CHESTERVILLE**
STATION TYPE: **RIVER FLOW GAUGE FED 02LB009**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **SOUTH NATION RIVER**

STATION ID: **18-2070-110-02**
STORET CODE: **02**
**006**
**1170**

LAT: LONG: U T M: **18 0482150.0 4994000.0 4** REGION: **04** DISTANCE: **93.330**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 07 10 0900 | | | 3 | 1 | 15372 | | 22.0 | 8.0 | 0.036 | 0.010 | 0.050 | 0.950 | 0.002 | 0.020< |
| 80 08 18 1500 | | | 3 | 1 | 15373 | 0 8 | 2.3 | 0.8 | 0.068 | 0.032 | 0.050 | 1.300 | 0.006 | 0.020< |
| 80 09 04 1000 | | | 3 | 1 | 15374 | 0 8 | 23.0 | 0.8 | 0.050 | 0.012 | 0.010 | 0.980 | 0.082 | 0.020 |
| 80 10 28 1045 | | | 3 | 1 | 15375 | 0 3 | 0.4 | 1.0 | 0.190 | 0.093 | 0.060 | 1.250 | 0.064 | 2.400 |
| 80 11 17 1600 | | | .3 | 1 | 15376 | 0 4 | 0.1 | 1.3 | 0.036 | 0.006 | 0.030 | 0.840 | 0.010 | 0.930 |
| 80 12 08 1500 | | | 3 | 1 | 15377 | 0 4 | 0.1 | 0.8 | 0.074 | 0.014 | 0.130 | 1.350 | 0.016 | 1.300 |
| MAXIMUM | | | | | | | **23.0** | **8.0** | **0.190** | **0.093** | **0.130** | **1.350** | **0.082** | **2.400** |
| ARITH MEAN | | | | | | | **8.0** | **2.1** | **0.076** | **0.028** | **0.055** | **1.112** | **0.030** | **0.782L** |
| GEOM MEAN | | | | | | | **1.3** | **1.3** | **0.063** | **0.018** | **0.042** | **1.094** | **0.015** | **0.169L** |
| MINIMUM | | | | | | | **0.1** | **0.8** | **0.036** | **0.006** | **0.010** | **0.840** | **0.002** | **0.020<** |
| STD DEV | | | | | | | **11.3** | **2.9** | **0.058** | **0.033** | **0.041** | **0.214** | **0.034** | **0.964L** |
| NO OF SAMPLES | | | | | | | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | COND25 | TURB | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | PH |
| 80 07 10 0900 | | | .3 | 1 | 0.072 | 0.900 | 0.972 | 485.0 | 6.20 | |
| 80 08 18 1500 | | | .3 | 1 | 0.076 | 1.250 | 1.326 | 520.0 | 26.00 | |
| 80 09 04 1000 | | | .3 | 1 | 0.112 | 0.970 | 1.082 | 460.0 | 6.90 | |
| 80 10 28 1045 | | | .3 | 1 | 2.524 | 1.190 | 3.714 | 440.0 | 20.00 | |
| 80 11 17 1600 | | | .3 | 1 | 0.970 | 0.810 | 1.780 | 520.0 | 2.60 | 7.80 |
| 80 12 08 1500 | | | 3 | 1 | 1.446 | 1.220 | 2.666 | 560.0 | 7.40 | 7.40 |
| MAXIMUM | | | | | **2.524** | **1.250** | **3.714** | **560.0** | **26.00** | **7.80** |
| ARITH MEAN | | | | | **0.867** | **1.057** | **1.923** | **497.5** | **11.52** | **7.60** |
| GEOM MEAN | | | | | **0.360** | **1.042** | **1.705** | **495.9** | **8.68** | **7.60** |
| MINIMUM | | | | | **0.072** | **0.810** | **0.972** | **440.0** | **2.60** | **7.40** |
| STD DEV | | | | | **0.992** | **0.187** | **1.072** | **44.2** | **9.25** | **0.28** |
| NO OF SAMPLES | | | | | **6** | **6** | **6** | **6** | **6** | **2** |

B.O.W / SITE: **CASTOR RIVER**
SAMPLE POINT: **AT CONC RD.NO.5 RUSSELL TWP.**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **SOUTH NATION RIVER**

STATION ID: **18-2070-140-02**
STORET CODE: **02**
**006**
**1170**

LAT: LONG: U.T.M: **18 0475750.0 5012300.0 4** REGION: **04** DISTANCE: **82.386**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 06 26 1130 | | | .3 | 1 | 15239 | 6 8 | 70I | 100 | 24.0 | 7.0 | 1.1 | 0.050 | 0.032 | 0.070 |
| 80 07 23 1510 | | | .3 | 1 | 15333 | 8 | 1100 | 348 | 22.0 | 6.0 | 2.0 | 0.088 | 0.048 | 0.08 |
| 80 08 14 1500 | | | .3 | 1 | 15338 | 8 | 12 | 32 | 22.0 | 7.0 | 0.7 | 0.068 | 0.018 | 0.04 |
| 80 09 24 1410 | | | .3 | 1 | 15343 | 8 | 520 | 600 | 17.0 | 8.0 | 1.3 | 0.050 | 0.020 | 0.110 |
| 80 10 29 1315 | | | .3 | 1 | 15348 | 3 | 880 | 1440> | 3.0 | 13.0 | 1.3 | 0.052 | 0.027 | 0.04 |
| 80 11 26 1030 | | | .3 | 1 | 15353 | 4 | 1160 | 2040 | 1.0 | 12.0 | 1.0 | 0.062 | 0.024 | 0.030 |
| 80 12 22 1530 | | | .3 | 1 | 15358 | 4 | | | 0.0 | 10.0 | 0.6 | 0.034 | 0.018 | 0.010 |
| MAXIMUM | | | | | | | 1160 | 2040> | 24.0 | 13.0 | 2.0 | 0.088 | 0.048 | 0.110 |
| ARITH MEAN | | | | | | | 624 | 760G | 12.7 | 9.0 | 1.1 | 0.058 | 0.027 | 0.05 |
| GEOM MEAN | | | | | | | 281 | 354G | 6.7 | 8.7 | 1.1 | 0.056 | 0.025 | 0.04 |
| MINIMUM | | | | | | | 12 | 32 | 0.0 | 6.0 | 0.6 | 0.034 | 0.018 | 0.010 |
| STD DEV | | | | | | | 504 | 808G | 10.9 | 2.7 | 0.5 | 0.017 | 0.011 | 0.03 |
| NO OF SAMPLES | | | | | | | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |

| TEST-NAME: | | | | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 06 26 1130 | | | .3 | 1 | 0.630 | 0.026 | 0.020< | 0.116 | 0.560 | 0.676 | 560.0 | 8.40 | 27.500 | |
| 80 07 23 1510 | | | .3 | 1 | 0.65 | 0.002 | 0.02 < | 0.102 | 0.570 | 0.672 | 495 | 6.7 | 27.5 | |
| 80 08 14 1500 | | | .3 | 1 | 0.84 | 0.002< | 0.02 < | 0.062 | 0.800 | 0.862 | 530 | 6.7 | 32.5 | |
| 80 09 24 1410 | | | .3 | 1 | 0.580 | 0.006 | 0.020< | 0.136 | 0.470 | 0.606 | 620.0 | 3.80 | 38.000 | |
| 80 10 29 1315 | | | .3 | 1 | 0.55 | 0.022 | 1.9 | 1.962 | 0.510 | 2.472 | 600 | 5.3 | 26 | |
| 80 11 26 1030 | | | .3 | 1 | 0.800 | 0.012 | 1.010 | 1.052 | 0.770 | 1.822 | 610.0 | 16.00 | 29.000 | 7.90 |
| 80 12 22 1530 | | | .3 | 1 | 0.590 | 0.080 | 0.940 | 1.030 | 0.580 | 1.610 | 680.0 | 4.00 | 26.000 | 7.50 |
| MAXIMUM | | | | | 0.84 | 0.080 | 1.9 | 1.962 | 0.800 | 2.472 | 680.0 | 16.00 | 38.000 | 7.90 |
| ARITH MEAN | | | | | 0.66 | 0.021L | 0.5 L | 0.637 | 0.609 | 1.246 | 585 | 7.2 | 29 | 7.70 |
| GEOM MEAN | | | | | 0.65 | 0.010L | 0.1 L | 0.299 | 0.598 | 1.081 | 582 | 6.4 | 29 | 7.70 |
| MINIMUM | | | | | 0.55 | 0.002< | 0.020< | 0.062 | 0.470 | 0.606 | 495 | 3.80 | 26 | 7.50 |
| STD DEV | | | | | 0.11 | 0.027L | 0.7 L | 0.733 | 0.127 | 0.728 | 61 | 4.1 | 4 | 0.28 |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 2 |

B.O.W / SITE: **CASTOR RIVER**
SAMPLE POINT: **AT CONC.RD.NO.3 RUSSELL TWP.**
STATION TYPE: **RIVER FLOW GAUGE FED.02LB006**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **SOUTH NATION RIVER**

STATION ID: **18-2070-145-02**
STORET CODE: **02**
**006**
**1170**

LAT: LONG: U.T.M: **18 0472050.0 5011900.0 4** REGION: **04** DISTANCE: **85.615**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P |
| 80 06 26 1050 | | | .3 | 1 | 15238 | 5 8 | 0.369 | 350 | 150 | 23.0 | 7.0 | 1.2 | 0.044 | 0.036 |
| 80 07 23 1445 | | | .3 | 1 | 15332 | 5 8 | 0.429 | 200 | 144 | 22.0 | 11.0 | 1.5 | 0.060 | 0.042 |
| 80 08 14 1435 | | | .3 | 1 | 15337 | 5 8 | 0.294 | 100 | 100 | 24.0 | 10.0 | 0.6 | 0.064 | 0.012 |
| 80 09 24 1430 | | | .3 | 1 | 15342 | 5 8 | 1.540 | 152 | 104 | 17.0 | 10.0 | 0.6 | 0.050 | 0.022 |
| 80 10 29 1400 | | | .3 | 1 | 15347 | 3 | 6.720 | 1000 | 1160 | 3.5 | 12.0 | 1.4 | 0.050 | 0.024 |
| 80 11 26 1105 | | | .3 | 1 | 15352 | 3 | 7.930 | 920 | 1400 | 1.0 | 9.0 | 1.0 | 0.050 | 0.024 |
| 80 12 22 1515 | | | .3 | 1 | 15357 | 4 | 1.450 | | | 0.0 | 11.0 | 0.9 | 0.042 | 0.018 |
| MAXIMUM | | | | | | | 7.930 | 1000 | 1400 | 24.0 | 12.0 | 1.5 | 0.064 | 0.042 |
| ARITH MEAN | | | | | | | 2.676 | 454 | 510 | 12.9 | 10.0 | 1.0 | 0.051 | 0.025 |
| GEOM MEAN | | | | | | | 1.277 | 315 | 267 | 6.9 | 9.9 | 1.0 | 0.051 | 0.024 |
| MINIMUM | | | | | | | 0.294 | 100 | 100 | 0.0 | 7.0 | 0.6 | 0.042 | 0.012 |
| STD DEV | | | | | | | 3.235 | 402 | 602 | 11.0 | 1.6 | 0.4 | 0.008 | 0.010 |
| NO OF SAMPLES | | | | | | | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |

| TEST-NAME: | | | | | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 06 26 1050 | | | .3 | 1 | 0.020 | 0.560 | 0.059 | 0.040 | 0.119 | 0.540 | 0.659 | 540.0 | 3.30 | 25.500 |
| 80 07 23 1445 | | | .3 | 1 | 0.01 | 0.46 | 0.002 | 0.02 < | 0.032 | 0.450 | 0.482 | 475 | 1.7 | 27.5 |
| 80 08 14 1435 | | | .3 | 1 | 0.08 | 2.0 | 0.004< | 0.04 < | 0.124 | 1.920 | 2.044 | 530 | 1.6 | 29.5 |
| 80 09 24 1430 | | | .3 | 1 | 0.030 | 0.640 | 0.004 | 0.040 | 0.074 | 0.610 | 0.684 | 600.0 | 1.80 | 32.000 |
| 80 10 29 1400 | | | .3 | 1 | 0.04 | 0.70 | 0.022 | 1.9 | 1.962 | 0.660 | 2.622 | 620 | 4.9 | 26 |
| 80 11 26 1105 | | | .3 | 1 | 0.030 | 0.470 | 0.012 | 1.070 | 1.112 | 0.440 | 1.552 | 610.0 | 15.00 | 27.000 |
| 80 12 22 1515 | | | .3 | 1 | 0.010 | 0.640 | 0.014 | 0.870 | 0.894 | 0.630 | 1.524 | 600.0 | 6.80 | 19.000 |
| MAXIMUM | | | | | 0.08 | 2.0 | 0.059 | 1.9 | 1.962 | 1.920 | 2.622 | 620 | 15.00 | 32.000 |
| ARITH MEAN | | | | | 0.03 | 0.7 | 0.017L | 0.5 L | 0.617 | 0.750 | 1.367 | 567 | 5.0 | 26 |
| GEOM MEAN | | | | | 0.02 | 0.6 | 0.009L | 0.1 L | 0.254 | 0.656 | 1.156 | 585 | 3.6 | 26 |
| MINIMUM | | | | | 0.01 | 0.46 | 0.002< | 0.02 < | 0.032 | 0.440 | 0.482 | 475 | 1.6 | 19.000 |
| STD DEV | | | | | 0.02 | 0.5 | 0.020L | 0.7 L | 0.737 | 0.523 | 0.800 | 53 | 4.8 | 4 |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

B O W / SITE **CASTOR RIVER**
SAMPLE POINT **AT CONC.RD.NO.3 RUSSELL TWP.**
STATION TYPE **RIVER FLOW GAUGE FED.02LB006**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **OTTAWA RIVER**
TERM STREAM **SOUTH NATION RIVER**

STATION ID: **18-2070-145-02**
STORET CODE: **02**
**006**
**1170**

LAT LONG U T M **18 0472050.0 5011900.0 4** REGION **04** DISTANCE: **85.815**

| TEST-NAME: | | | | | PH |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PH |
| 80 11 26 1105 | | | 3 | 1 | 7.90 |
| 80 12 22 1515 | | | 3 | 1 | 7 60 |
| **MAXIMUM** | | | | | **7.90** |
| **ARITH MEAN** | | | | | **7.75** |
| **GEOM MEAN** | | | | | **7.75** |
| **MINIMUM** | | | | | **7.60** |
| **STD DEV** | | | | | **0.21** |
| **NO OF SAMPLES** | | | | | **2** |

B O W / SITE **GREEN CREEK**
SAMPLE POINT **AT HIGHWAY NO 17**
STATION TYPE **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **GREEN CREEK**

STATION ID: **18-2590-020-02**
STORET CODE: **02**
**006**
**1570**

LAT LONG U T M **18 0454800.0 5033600.0 4** REGION **04** DISTANCE **4.023**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 08 1310 | | | .3 | 1 | 18005 | 6 | | | 0.0 | 8.0 | 1.6 | 0.085 | 0 022 | 0.184 |
| 80 02 04 1230 | | | .3 | 1 | 18026 | 4 6 | | | 0.0 | 7.0 | 1.4 | 0.203 | 0.062 | 0.520 |
| 80 03 03 1240 | | | .3 | 1 | 18047 | 4 6 | | | 0.0 | 10.0 | 4 6 | 0.390 | 0 010 | 1.500 |
| 80 04 14 1230 | | | .3 | 1 | 18068 | 6 3 | 76 | 88 | 5.0 | 10 0 | 1.1 | 0 176 | 0 010 | 0 130 |
| 80 05 12 1245 | | | .3 | 1 | 18089 | 6 | 600> | 1320 | 14.0 | 12.0 | 3.4 | 0 106 | 0.006 | 0 020 |
| 80 06 09 1230 | | | .3 | 1 | 18110 | 6 | 760 | 110 | 12 0 | 6 0 | 1 2 | 0.066 | 0 014 | 0 050 |
| **MAXIMUM** | | | | | | | **760>** | **1320** | **14.0** | **12.0** | **4.6** | **0.390** | **0.062** | **1.500** |
| **ARITH MEAN** | | | | | | | **479G** | **506** | **5.2** | **8.8** | **2.2** | **0.171** | **0.021** | **0.401** |
| **GEOM MEAN** | | | | | | | **326G** | **234** | **3.1** | **8.6** | **1.9** | **0.142** | **0.015** | **0.163** |
| **MINIMUM** | | | | | | | **76** | **88** | **0.0** | **6.0** | **1.1** | **0.066** | **0.006** | **0.020** |
| **STD DEV** | | | | | | | **358G** | **705** | **6.4** | **2.2** | **1.4** | **0.120** | **0.021** | **0.568** |
| **NO OF SAMPLES** | | | | | | | **3** | **3** | **6** | **6** | **6** | **6** | **6** | **6** |

| TEST-NAME: | | | | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RSP | RSF | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 01 08 1310 | | | .3 | 1 | 0.670 | 0.018 | 0.672 | 0.874 | 0.486 | 1.360 | 28.0 | 974.0 | 1600.0 | 25.00 |
| 80 02 04 1230 | | | .3 | 1 | 1 500 | 0.027 | 0.686 | 1.233 | 0.980 | 2 213 | 35.0 | 985.0 | 1600.0 | 33.00 |
| 80 03 03 1240 | | | .3 | 1 | 3 950 | 0.028 | 0.830 | 2 358 | 2.450 | 4.808 | 85.0 | 904.0 | 1900.0 | 78 00 |
| 80 04 14 1230 | | | .3 | 1 | 1 150 | 0.022 | 1.000 | 1.152 | 1.020 | 2 172 | 100.0 | 338.000 | 520.0 | 71.00 |
| 80 05 12 1245 | | | .3 | 1 | 1.650 | 0.014 | 0.230 | 0.264 | 1.630 | 1.894 | 24.0 | 510.0 | 780.0 | 7.00 |
| 80 06 09 1230 | | | .3 | 1 | 0.710 | 0.026 | 0.330 | 0.406 | 0.660 | 1.066 | 26.0 | 706 0 | 1140.0 | 17.00 |
| **MAXIMUM** | | | | | **3.950** | **0.028** | **1.000** | **2.358** | **2.450** | **4.808** | **100.0** | **985.0** | **1900.0** | **78.00** |
| **ARITH MEAN** | | | | | **1.605** | **0.022** | **0.625** | **1.048** | **1.204** | **2.252** | **49.7** | **736.1** | **1266.7** | **38.50** |
| **GEOM MEAN** | | | | | **1.322** | **0.022** | **0.554** | **0.824** | **1.042** | **1.997** | **41.6** | **687.4** | **1144.6** | **28.57** |
| **MINIMUM** | | | | | **0.670** | **0.014** | **0.230** | **0.264** | **0.486** | **1.066** | **24.0** | **338.000** | **520.0** | **7.00** |
| **STD DEV** | | | | | **1.216** | **0.006** | **0.294** | **0.751** | **0.725** | **1.332** | **33.7** | **267.3** | **536.4** | **29.27** |
| **NO OF SAMPLES** | | | | | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** |

| TEST-NAME: | | | | | CLIDUR |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHLORIDE UNF.REAC MG/L AS CL |
| 80 01 08 1310 | | | .3 | 1 | 290.000 |
| 80 02 04 1230 | | | .3 | 1 | 250.000 |
| 80 03 03 1240 | | | .3 | 1 | 372.000 |
| 80 04 14 1230 | | | .3 | 1 | 69.000 |
| 80 05 12 1245 | | | .3 | 1 | 115.000 |
| 80 06 09 1230 | | | .3 | 1 | 170.000 |
| **MAXIMUM** | | | | | **372.000** |
| **ARITH MEAN** | | | | | **211.000** |
| **GEOM MEAN** | | | | | **182.031** |
| **MINIMUM** | | | | | **69.000** |
| **STD DEV** | | | | | **113.793** |
| **NO OF SAMPLES** | | | | | **6** |

B.O.W./ SITE: **MISSISSIPPI RIVER**
SAMPLE POINT: **AT RAILWAY BRIDGE NORTH GALETTA**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **MISSISSIPPI RIVER**

STATION ID: **18-3430-030-02**
STORET CODE: **02**
**006**
**2670**

LAT: LONG: U T M: **18 0402000.0 5030500.0 4** REGION: **04** DISTANCE: **3.701**

| TEST-NAME: | | | | | SAMPLE | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L |
| 80 01 08 0950 | | | .3 | 1 | 16409 | 0.0 | 10.0 | 0.016 | 0.004 | 0.050 | 0.450 | 0.006 | 0.130 | 0.186 |
| 80 02 11 1110 | | | .3 | 1 | 16415 | 0.0 | 12.0 | 0.020 | 0.006 | 0.040 | 0.430 | 0.009 | 0.110 | 0.158 |
| 80 03 12 1110 | | | .3 | 1 | 16431 | 1.0 | 14.0 | 0.016 | 0.008 | 0.030 | 0.390 | 0.006 | 0.150 | 0.186 |
| 80 04 09 1010 | | | .3 | 1 | 16437 | 5.0 | 10.0 | 0.044 | 0.014 | 0.090 | 0.520 | 0.008 | 0.250 | 0.348 |
| 80 05 14 1110 | | | .3 | 1 | 16453 | 14.0 | 10.0 | 0.024 | 0.004 | 0.020 | 0.340 | 0.016 | 0.040 | 0.076 |
| 80 06 03 1145 | | | .3 | 1 | 16464 | 19.5 | 9.0 | 0.026 | 0.002< | 0.020 | 0.500 | 0.012 | 0.070 | 0.102 |
| 80 07 09 1250 | | | .3 | 1 | 16475 | 23.0 | 8.0 | 0.034 | 0.014 | 0.030 | 0.360 | 0.004 | 0.020 | 0.054 |
| 80 08 13 0540 | | | .3 | 1 | 16486 | 24.5 | 8.0 | 0.046 | 0.012 | 0.030 | 0.480 | 0.002 | 0.020< | 0.052 |
| 80 09 04 0540 | | | .3 | 1 | 16497 | 21.0 | 8.0 | 0.030 | 0.012 | 0.030 | 0.530 | 0.004 | 0.020 | 0.054 |
| 80 11 16 1640 | | | .3 | 1 | 16519 | 0.5 | 12.0 | 0.014 | 0.004 | 0.020 | 0.420 | 0.002 | 0.080 | 0.102 |
| MAXIMUM | | | | | | 24.5 | 14.0 | 0.046 | 0.014 | 0.080 | 0.530 | 0.016 | 0.250 | 0.348 |
| ARITH MEAN | | | | | | 10.8 | 10.1 | 0.027 | 0.008L | 0.036 | 0.442 | 0.007 | 0.089L | 0.132 |
| GEOM MEAN | | | | | | 4.9 | 9.9 | 0.025 | 0.007L | 0.032 | 0.437 | 0.006 | 0.063L | 0.109 |
| MINIMUM | | | | | | 0.0 | 8.0 | 0.014 | 0.002< | 0.020 | 0.340 | 0.002 | 0.020< | 0.052 |
| STD DEV | | | | | | 10.5 | 2.0 | 0.011 | 0.005L | 0.021 | 0.066 | 0.004 | 0.074L | 0.092 |
| NO OF SAMPLES | | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | NNKUR | NNKI | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 01 08 0950 | | | .3 | 1 | 0.400 | 0.586 | 230.0 | 1.50 |
| 80 02 11 1110 | | | .3 | 1 | 0.390 | 0.548 | 235.0 | 1.40 |
| 80 03 12 1110 | | | .3 | 1 | 0.360 | 0.546 | 220.0 | 1.40 |
| 80 04 09 1010 | | | .3 | 1 | 0.430 | 0.778 | 175.0 | 2.10 |
| 80 05 14 1110 | | | .3 | 1 | 0.320 | 0.396 | 195.0 | 1.50 |
| 80 06 03 1145 | | | .3 | 1 | 0.480 | 0.582 | 205.0 | 2.70 |
| 80 07 09 1250 | | | .3 | 1 | 0.330 | 0.384 | 210.0 | 1.90 |
| 80 08 13 0540 | | | .3 | 1 | 0.450 | 0.502 | 200.0 | 2.50 |
| 80 09 04 0540 | | | .3 | 1 | 0.500 | 0.554 | 205.0 | 1.80 |
| 80 11 16 1640 | | | .3 | 1 | 0.400 | 0.502 | 230.0 | 2.90 |
| MAXIMUM | | | | | 0.500 | 0.778 | 235.0 | 2.90 |
| ARITH MEAN | | | | | 0.406 | 0.538 | 210.5 | 1.97 |
| GEOM MEAN | | | | | 0.402 | 0.528 | 209.7 | 1.90 |
| MINIMUM | | | | | 0.320 | 0.384 | 175.0 | 1.40 |
| STD DEV | | | | | 0.060 | 0.110 | 18.6 | 0.56 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 |

B.O.W./ SITE: **MISSISSIPPI RIVER**
SAMPLE POINT: **AT DAM BELOW PAKENHAM**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **MISSISSIPPI RIVER**

STATION ID: **18-3430-034-02**
STORET CODE: **02**
**006**
**2670**

LAT: LONG: U T M: **18 0399150.0 5020900.0 4** REGION: **04** DISTANCE: **14.986**

| TEST-NAME: | | | | | SAMPLE | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L |
| 80 01 08 0915 | | | .3 | 1 | 16407 | 0.0 | 12.0 | 0.008 | 0.004 | 0.010 | 0.250 | 0.006 | 0.130 | 0.146 |
| 80 02 11 1030 | | | .3 | 1 | 16413 | 0.0 | 13.0 | 0.020 | 0.006 | 0.040 | 0.360 | 0.008 | 0.110 | 0.158 |
| 80 03 12 1030 | | | .3 | 1 | 16429 | 1.0 | 13.0 | 0.016 | 0.008 | 0.030 | 0.320 | 0.006 | 0.150 | 0.186 |
| 80 04 09 0930 | | | .3 | 1 | 16435 | 5.0 | 10.0 | 0.056 | 0.016 | 0.090 | 0.400 | 0.010 | 0.250 | 0.350 |
| 80 05 14 1030 | | | .3 | 1 | 16451 | 15.0 | 10.0 | 0.022 | 0.006 | 0.020 | 0.370 | 0.024 | 0.060 | 0.104 |
| 80 06 03 1110 | | | .3 | 1 | 16462 | 19.0 | 10.0 | 0.036 | 0.006 | 0.050 | 0.560 | 0.014 | 0.050 | 0.114 |
| 80 07 09 1120 | | | .3 | 1 | 16473 | 22.0 | 2.0 | 0.028 | 0.012 | 0.030 | 0.390 | 0.002 | 0.020 | 0.052 |
| 80 08 13 0633 | | | .3 | 1 | 16484 | 29.0 | 7.0 | 0.036 | 0.010 | 0.020 | 0.500 | 0.002 | 0.020< | 0.042 |
| 80 09 04 0630 | | | .3 | 1 | 16495 | 21.0 | 8.0 | 0.026 | 0.008 | 0.020 | 0.450 | 0.002 | 0.020 | 0.042 |
| 80 10 13 1250 | | | .3 | 1 | 16506 | 10.0 | 11.0 | 0.044 | 0.004 | 0.020 | 0.440 | 0.002 | 0.020 | 0.042 |
| 80 11 16 1545 | | | .3 | 1 | 16517 | 0.5 | 9.0 | 0.016 | 0.004 | 0.020 | 0.440 | 0.002 | 0.080 | 0.102 |
| 80 12 21 1535 | | | .3 | 1 | 16528 | 0.0 | 14.0 | 0.014 | 0.004 | 0.040 | 0.390 | 0.014 | 0.090 | 0.144 |
| MAXIMUM | | | | | | 29.0 | 14.0 | 0.056 | 0.016 | 0.090 | 0.560 | 0.024 | 0.250 | 0.350 |
| ARITH MEAN | | | | | | 10.2 | 9.9 | 0.027 | 0.007 | 0.032 | 0.406 | 0.008 | 0.083L | 0.123 |
| GEOM MEAN | | | | | | 4.6 | 9.1 | 0.024 | 0.007 | 0.028 | 0.398 | 0.006 | 0.059L | 0.100 |
| MINIMUM | | | | | | 0.0 | 2.0 | 0.008 | 0.004 | 0.010 | 0.250 | 0.002 | 0.020< | 0.042 |
| STD DEV | | | | | | 10.8 | 3.3 | 0.014 | 0.004 | 0.021 | 0.081 | 0.007 | 0.069L | 0.087 |
| NO OF SAMPLES | | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | NNKUR | NNKI | COND25 | TURB | PH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | PH |
| 80 01 08 0915 | | | .3 | 1 | 0.240 | 0.386 | 106.0 | 1.10 | |
| 80 02 11 1030 | | | .3 | 1 | 0.320 | 0.478 | 230.0 | 1.30 | |
| 80 03 12 1030 | | | .3 | 1 | 0.290 | 0.476 | 215.0 | 1.10 | |
| 80 04 09 0930 | | | .3 | 1 | 0.310 | 0.660 | 170.0 | 3.60 | |
| 80 05 14 1030 | | | .3 | 1 | 0.350 | 0.454 | 191.0 | 0.85 | |
| 80 06 03 1110 | | | .3 | 1 | 0.510 | 0.624 | 200.0 | 0.90 | |
| 80 07 09 1120 | | | .3 | 1 | 0.360 | 0.412 | 200.0 | 1.90 | |
| 80 08 13 0633 | | | .3 | 1 | 0.480 | 0.522 | 200.0 | 1.60 | |
| 80 09 04 0630 | | | .3 | 1 | 0.430 | 0.472 | 200.0 | 1.50 | |
| 80 10 13 1250 | | | .3 | 1 | 0.420 | 0.462 | 215.0 | 4.30 | |
| 80 11 16 1545 | | | .3 | 1 | 0.420 | 0.522 | 220.0 | 3.20 | |
| 80 12 21 1535 | | | .3 | 1 | 0.350 | 0.494 | 210.0 | 0.85 | 7.70 |
| MAXIMUM | | | | | 0.510 | 0.660 | 230.0 | 4.30 | 7.70 |
| ARITH MEAN | | | | | 0.373 | 0.497 | 196.4 | 1.85 | 7.70 |
| GEOM MEAN | | | | | 0.365 | 0.491 | 193.2 | 1.57 | |
| MINIMUM | | | | | 0.240 | 0.386 | 106.0 | 0.85 | 7.70 |
| STD DEV | | | | | 0.080 | 0.079 | 32.4 | 1.18 | |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 1 |

SAMPLE INFORMATION SYSTEM    1980 WATER QUALITY DATA    DATE OF REPORT: 29 AUG 81

B.O.W / SITE: **MISSISSIPPI RIVER**
SAMPLE POINT: **DOWNSTREAM OF ALMONTE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **MISSISSIPPI RIVER**

STATION ID: **18-3430-040-02**
STORET CODE: **02**
**006**
**2670**

LAT    LONG    U T M **18 0404950.0 5009990.0 4**    REGION **04**    DISTANCE **28.485**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 01 08 0855 | | | .3 | 1 | 16406 | | 0.0 | 12.0 | 0.010 | 0.006 | 0.050 | 0.370 | 0.008 | 0.130 |
| 80 02 11 0955 | | | .3 | 1 | 16412 | 4 | 0.0 | 13.0 | 0.018 | 0.006 | 0.060 | 0.360 | 0.008 | 0.110 |
| 80 03 12 0955 | | | .3 | 1 | 16428 | 4 | 1.0 | 13.0 | 0.016 | 0.008 | 0.030 | 0.320 | 0.004 | 0.140 |
| 80 04 09 0855 | | | .3 | 1 | 16434 | | 5.0 | 10.0 | 0.036 | 0.012 | 0.080 | 0.440 | 0.010 | 0.250 |
| 80 05 14 0955 | | | .3 | 1 | 16450 | | 15.0 | 10.0 | 0.028 | 0.004 | 0.030 | 0.420 | 0.022 | 0.060 |
| 80 06 03 1022 | | | .3 | 1 | 16461 | | 19.0 | 8.0 | 0.026 | 0.004 | 0.030 | 0.550 | 0.010 | 0.030 |
| 80 07 09 1050 | | | .3 | 1 | 16472 | | 22.0 | 9.0 | 0.034 | 0.018 | 0.020 | 0.350 | 0.002 | 0.020 |
| 80 08 13 0655 | | | .3 | 1 | 16483 | | 23.5 | 8.0 | 0.028 | 0.002 | 0.040 | 0.650 | 0.002 | 0.020< |
| 80 12 21 1510 | | | .3 | 1 | 16527 | 4 | 0.0 | 12.0 | 0.010 | 0.002 | 0.020 | 0.290 | 0.016 | 0.060 |
| MAXIMUM | | | | | | | 23.5 | 13.0 | 0.036 | 0.018 | 0.080 | 0.650 | 0.022 | 0.250 |
| ARITH MEAN | | | | | | | 9.5 | 10.8 | 0.023 | 0.007 | 0.040 | 0.417 | 0.009 | 0.091L |
| GEOM MEAN | | | | | | | 4.5 | 10.4 | 0.021 | 0.005 | 0.036 | 0.404 | 0.007 | 0.065L |
| MINIMUM | | | | | | | 0.0 | 8.0 | 0.010 | 0.002 | 0.020 | 0.290 | 0.002 | 0.020< |
| STD DEV | | | | | | | 10.2 | 2.0 | 0.010 | 0.005 | 0.020 | 0.118 | 0.007 | 0.075L |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | COND25 | TURB | PH |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | PH |
| 80 01 08 0855 | | | .3 | 1 | 0.188 | 0.320 | 0.508 | 230.0 | 0.70 | |
| 80 02 11 0955 | | | .3 | 1 | 0.178 | 0.300 | 0.478 | 205.0 | 0.85 | |
| 80 03 12 0955 | | | .3 | 1 | 0.174 | 0.290 | 0.464 | 200.0 | 0.85 | |
| 80 04 09 0855 | | | .3 | 1 | 0.340 | 0.360 | 0.700 | 170.0 | 2.20 | |
| 80 05 14 0955 | | | .3 | 1 | 0.112 | 0.390 | 0.502 | 185.0 | 0.75 | |
| 80 06 03 1022 | | | .3 | 1 | 0.070 | 0.520 | 0.590 | 195.0 | 1.20 | |
| 80 07 09 1050 | | | .3 | 1 | 0.042 | 0.330 | 0.372 | 200.0 | 1.50 | |
| 80 08 13 0655 | | | .3 | 1 | 0.062 | 0.610 | 0.672 | 240.0 | 1.10 | |
| 80 12 21 1510 | | | .3 | 1 | 0.096 | 0.270 | 0.366 | 180.0 | 0.45 | 7.60 |
| MAXIMUM | | | | | 0.340 | 0.610 | 0.700 | 240.0 | 2.20 | 7.60 |
| ARITH MEAN | | | | | 0.140 | 0.377 | 0.517 | 200.6 | 1.07 | 7.60 |
| GEOM MEAN | | | | | 0.116 | 0.363 | 0.505 | 199.5 | 0.97 | |
| MINIMUM | | | | | 0.042 | 0.270 | 0.366 | 170.0 | 0.45 | 7.60 |
| STD DEV | | | | | 0.092 | 0.115 | 0.118 | 22.8 | 0.52 | |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 1 |

B.O.W / SITE: **MISSISSIPPI RIVER**
SAMPLE POINT: **BELOW CARLETON PLACE**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **MISSISSIPPI RIVER**

STATION ID: **18-3430-060-02**
STORET CODE: **02**
**006**
**2670**

LAT    LONG    U T M **18 0411400.0 4999950.0 4**    REGION: **04**    DISTANCE: **45.382**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N |
| 80 01 08 0830 | | | .3 | 1 | 16405 | | | | 0.0 | 11.0 | 1.0 | 0.004 | 0.002 | 0.010 |
| 80 02 11 0930 | | | .3 | 1 | 16411 | 4 | | | 0.0 | 14.0 | 0.3 | 0.010 | 0.002 | 0.030 |
| 80 03 12 0930 | | | .3 | 1 | 16427 | 4 | | | 1.0 | 13.0 | 0.6 | 0.010 | 0.002 | 0.010 |
| 80 04 09 0830 | | | .3 | 1 | 16433 | | 32 | 108 | 5.0 | 10.0 | 1.8 | 0.014 | 0.004 | 0.090 |
| 80 05 14 0930 | | | .3 | 1 | 16449 | | 88 | 40 | 15.0 | 10.0 | 2.1 | 0.046 | 0.012 | 0.120 |
| 80 06 03 0939 | | | .3 | 1 | 16460 | | 1720 | 64 | 18.5 | 9.0 | 0.2< | 0.026 | 0.008 | 0.040 |
| 80 07 09 1030 | | | .3 | 1 | 16471 | 9 | | | 21.0 | 10.0 | 0.1 | 0.170 | 0.010 | 0.040 |
| 80 08 13 0910 | | | .3 | 1 | 16482 | | 3840 | 88 | 22.0 | 9.0 | 0.5 | 0.044 | 0.014 | 0.040 |
| 80 09 04 0900 | | | .3 | 1 | 16493 | | 212 | 92 | 20.0 | 8.0 | 3.0 | 0.022 | 0.020 | 0.030 |
| 80 10 13 1210 | | | .3 | 1 | 16504 | | | | 8.5 | 11.0 | 1.6 | 0.036 | 0.014 | 0.050 |
| 80 11 16 1411 | | | .3 | 1 | 16515 | | | | 1.0 | 13.0 | 0.4 | 0.028 | 0.004 | 0.030 |
| MAXIMUM | | | | | | | 3840 | 108 | 22.0 | 14.0 | 3.0 | 0.170 | 0.020 | 0.120 |
| ARITH MEAN | | | | | | | 1178 | 78 | 10.2 | 10.7 | 1.1L | 0.037 | 0.008 | 0.045 |
| GEOM MEAN | | | | | | | 330 | 74 | 5.4 | 10.6 | 0.7L | 0.023 | 0.006 | 0.035 |
| MINIMUM | | | | | | | 32 | 40 | 0.0 | 8.0 | 0.1< | 0.004 | 0.002 | 0.010 |
| STD DEV | | | | | | | 1644 | 27 | 9.2 | 1.9 | 0.9L | 0.046 | 0.006 | 0.033 |
| NO OF SAMPLES | | | | | | | 6 | 5 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 01 08 0830 | | | .3 | 1 | 0.430 | 0.004 | 0.100 | 0.114 | 0.420 | 0.534 | 225.0 | 1.00 | 4.000 |
| 80 02 11 0930 | | | .3 | 1 | 0.380 | 0.004 | 0.080 | 0.114 | 0.350 | 0.464 | 210.0 | 0.75 | 6.800 |
| 80 03 12 0930 | | | .3 | 1 | 0.350 | 0.004 | 0.140 | 0.154 | 0.340 | 0.494 | 195.0 | 0.80 | 4.000 |
| 80 04 09 0830 | | | .3 | 1 | 0.250 | 0.008 | 0.290 | 0.388 | 0.160 | 0.548 | 180.0 | 1.40 | 12.000 |
| 80 05 14 0930 | | | .3 | 1 | 0.600 | 0.010 | 0.050 | 0.180 | 0.480 | 0.660 | 185.0 | 1.20 | 3.800 |
| 80 06 03 0939 | | | .3 | 1 | 0.450 | 0.014 | 0.030 | 0.084 | 0.410 | 0.494 | 190.0 | 0.65 | 3.300 |
| 80 07 09 1030 | | | .3 | 1 | 1.250 | 0.006 | 0.070 | 0.116 | 1.210 | 1.326 | 200.0 | 0.88 | 40.000 |
| 80 08 13 0910 | | | .3 | 1 | 0.520 | 0.006 | 0.030 | 0.076 | 0.480 | 0.556 | 190.0 | 0.71 | 3.500 |
| 80 09 04 0900 | | | .3 | 1 | 0.340 | 0.004 | 0.040 | 0.074 | 0.310 | 0.384 | 195.0 | 0.60 | 3.800 |
| 80 10 13 1210 | | | .3 | 1 | 0.420 | 0.010 | 0.030 | 0.090 | 0.370 | 0.460 | 145.0 | 0.75 | 4.000 |
| 80 11 16 1411 | | | .3 | 1 | 0.440 | 0.002 | 0.060 | 0.092 | 0.410 | 0.502 | 205.0 | 3.10 | 3.800 |
| MAXIMUM | | | | | 1.250 | 0.014 | 0.290 | 0.388 | 1.210 | 1.326 | 225.0 | 3.10 | 40.000 |
| ARITH MEAN | | | | | 0.494 | 0.007 | 0.084 | 0.135 | 0.449 | 0.584 | 192.7 | 1.08 | 8.091 |
| GEOM MEAN | | | | | 0.451 | 0.006 | 0.064 | 0.118 | 0.401 | 0.551 | 191.7 | 0.96 | 5.475 |
| MINIMUM | | | | | 0.250 | 0.002 | 0.030 | 0.074 | 0.160 | 0.384 | 145.0 | 0.60 | 3.300 |
| STD DEV | | | | | 0.267 | 0.004 | 0.076 | 0.090 | 0.268 | 0.256 | 20.2 | 0.71 | 10.884 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

B.O.W./SITE: **MISSISSIPPI RIVER**
SAMPLE POINT: **AT DALHOUSIE LAKE OUTLET**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **MISSISSIPPI RIVER**

STATION ID: **18-3430-175-02**
STORET CODE: **02**
**006**
**2670**

LAT LONG U.T.M.: **18 0378675.0 4980850.0 4** REGION: **04** DISTANCE: **102.995**

| TEST-NAME: | | | | | SAMPLE | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L |
| 80 01 07 1315 | | | .3 | 1 | 16401 | 0.0 | 12.0 | 0.002 | 0.002 | 0.020 | 0.320 | 0.004 | 0.080 | 0.104 |
| 80 02 12 1030 | | | .3 | 1 | 16418 | 0.0 | 14.0 | 0.006 | 0.002 | 0.030 | 0.280 | 0.002 | 0.100 | 0.132 |
| 80 03 11 1330 | | | .3 | 1 | 16423 | 1.0 | 14.0 | 0.006 | 0.004 | 0.010< | 0.300 | 0.002 | 0.140 | 0.152 |
| 80 04 10 1330 | | | .3 | 1 | 16440 | 5.0 | 10.0 | 0.008 | 0.002< | 0.050 | 0.370 | 0.006 | 0.210 | 0.266 |
| 80 05 13 1330 | | | .3 | 1 | 16445 | 14.0 | 10.0 | 0.004 | 0.004 | 0.040 | 0.210 | 0.002 | 0.080 | 0.122 |
| 80 06 04 1020 | | | .3 | 1 | 16456 | 19.0 | 9.0 | 0.014 | 0.002< | 0.010< | 0.460 | 0.004 | 0.020 | 0.034 |
| 80 07 07 1120 | | | .3 | 1 | 16467 | 23.0 | 9.0 | 0.002< | 0.002< | 0.020 | 0.010< | 0.002 | 0.020< | 0.042 |
| 80 08 13 1110 | | | .3 | 1 | 16478 | 24.0 | 8.0 | 0.024 | 0.002 | 0.020 | 0.370 | 0.002< | 0.020< | 0.042 |
| 80 09 04 1050 | | | .3 | 1 | 16489 | 22.0 | 9.0 | 0.010 | 0.002< | 0.010 | 0.240 | 0.002< | 0.020< | 0.032 |
| 80 10 14 1530 | | | .3 | 1 | 16500 | 9.5 | 8.0 | 0.034 | 0.006 | 0.040 | 0.350 | 0.002< | 0.020< | 0.062 |
| 80 11 16 1210 | | | .3 | 1 | 16511 | 2.0 | 12.0 | 0.014 | 0.002< | 0.010 | 0.260 | 0.002< | 0.020 | 0.032 |
| **MAXIMUM** | | | | | | **24.0** | **14.0** | **0.034** | **0.006** | **0.050** | **0.460** | **0.006** | **0.210** | **0.266** |
| **ARITH MEAN** | | | | | | **10.9** | **10.5** | **0.011L** | **0.003L** | **0.024L** | **0.288L** | **0.003L** | **0.066L** | **0.093** |
| **GEOM MEAN** | | | | | | **5.9** | **10.3** | **0.008L** | **0.003L** | **0.020L** | **0.226L** | **0.003L** | **0.044L** | **0.072** |
| **MINIMUM** | | | | | | **0.0** | **8.0** | **0.002<** | **0.002<** | **0.010<** | **0.010<** | **0.002<** | **0.020<** | **0.032** |
| **STD DEV** | | | | | | **9.8** | **2.2** | **0.010L** | **0.001L** | **0.014L** | **0.116L** | **0.001L** | **0.064L** | **0.073** |
| **NO OF SAMPLES** | | | | | | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** | **11** |

| TEST-NAME: | | | | | NNKUR | NNKI | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 01 07 1315 | | | 3 | 1 | 0.300 | 0.404 | 138.0 | 0.61 |
| 80 02 12 1030 | | | 3 | 1 | 0.250 | 0.382 | 142.0 | 0.50 |
| 80 03 11 1330 | | | 3 | 1 | 0.290 | 0.442 | 128.0 | 0.62 |
| 80 04 10 1330 | | | 3 | 1 | 0.320 | 0.586 | 114.0 | 0.58 |
| 80 05 13 1330 | | | 3 | 1 | 0.170 | 0.292 | 132.0 | 0.55 |
| 80 06 04 1020 | | | 3 | 1 | 0.450 | 0.484 | 138.0 | 0.70 |
| 80 07 07 1120 | | | 3 | 1 | 0.010 | 0.032 | 140.0 | 0.65 |
| 80 08 13 1110 | | | 3 | 1 | 0.350 | 0.392 | 134.0 | 0.69 |
| 80 09 04 1050 | | | 3 | 1 | 0.230 | 0.262 | 128.0 | 0.60 |
| 80 10 14 1530 | | | .3 | 1 | 0.310 | 0.372 | 136.0 | 1.30 |
| 80 11 16 1210 | | | 3 | 1 | 0.250 | 0.282 | 134.0 | 1.50 |
| **MAXIMUM** | | | | | **0.460** | **0.586** | **142.0** | **1.50** |
| **ARITH MEAN** | | | | | **0.266** | **0.357** | **133.1** | **0.75** |
| **GEOM MEAN** | | | | | **0.209** | **0.303** | **132.9** | **0.71** |
| **MINIMUM** | | | | | **0.010** | **0.032** | **114.0** | **0.50** |
| **STD DEV** | | | | | **0.111** | **0.143** | **7.8** | **0.33** |
| **NO OF SAMPLES** | | | | | **11** | **11** | **11** | **11** |

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B.O.W./SITE: **MISSISSIPI RIVER**
SAMPLE POINT: **AT MAZINAW LAKE OUTLET**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **MISSISSIPPI RIVER**

STATION ID: **18-3430-230-02**
STORET CODE: **02**
**006**
**2670**

LAT LONG U.T.M.: **18 0328500.0 4968350.0 4** REGION: **04** DISTANCE: **169.296**

| TEST-NAME: | | | | | SAMPLE | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L |
| 80 01 07 0945 | | | 3 | 1 | 16400 | 0.0 | 13.0 | 0.002 | 0.002 | 0.030 | 0.210 | 0.002 | 0.220 | 0.252 |
| 80 02 12 0900 | | | 3 | 1 | 16417 | 0.0 | 14.0 | 0.006 | 0.002 | 0.010 | 0.190 | 0.002< | 0.220 | 0.232 |
| 80 03 11 1045 | | | 3 | 1 | 16422 | 1.0 | 14.0 | 0.006 | 0.002 | 0.010< | 0.080 | 0.002 | 0.240 | 0.252 |
| 80 04 10 1045 | | | 3 | 1 | 16439 | 5.0 | 10.0 | 0.004 | 0.002< | 0.030 | 0.200 | 0.002 | 0.240 | 0.272 |
| 80 05 13 1045 | | | .3 | 1 | 16444 | 13.0 | 11.0 | 0.004 | 0.002 | 0.020 | 0.480 | 0.002 | 0.220 | 0.242 |
| 80 06 04 1201 | | | .3 | 1 | 16455 | 17.0 | 10.0 | 0.004 | 0.002< | 0.030 | 0.340 | 0.004 | 0.180 | 0.214 |
| 80 07 07 1245 | | | 3 | 1 | 16466 | 22.0 | 9.0 | 0.006 | 0.002< | 0.010 | 0.040 | 0.002 | 0.140 | 0.152 |
| 80 08 13 1300 | | | 3 | 1 | 16477 | 24.5 | 8.0 | 0.020 | 0.002 | 0.020 | 0.270 | 0.002< | 0.080 | 0.102 |
| 80 09 04 1250 | | | 3 | 1 | 16488 | 22.5 | 9.0 | 0.004 | 0.002< | 0.030 | 0.250 | 0.002 | 0.080 | 0.112 |
| 80 10 14 1345 | | | 3 | 1 | 16499 | 11.5 | 9.0 | 0.012 | 0.002 | 0.020 | 0.210 | 0.002< | 0.120 | 0.142 |
| 80 11 16 1050 | | | 3 | 1 | 16510 | 4.0 | 12.0 | 0.008 | 0.002< | 0.020 | 0.240 | 0.002< | 0.160 | 0.182 |
| 80 12 21 0630 | | | 3 | 1 | 16521 | 0.0 | 14.0 | 0.008 | 0.002 | 0.020 | 0.230 | 0.002 | 0.240 | 0.262 |
| **MAXIMUM** | | | | | | **24.5** | **14.0** | **0.020** | **0.002** | **0.030** | **0.480** | **0.004** | **0.240** | **0.272** |
| **ARITH MEAN** | | | | | | **10.0** | **11.1** | **0.007** | **0.002L** | **0.021L** | **0.228** | **0.002L** | **0.178** | **0.201** |
| **GEOM MEAN** | | | | | | **5.4** | **10.9** | **0.006** | **0.002L** | **0.019L** | **0.196** | **0.002L** | **0.167** | **0.192** |
| **MINIMUM** | | | | | | **0.0** | **8.0** | **0.002** | **0.002<** | **0.010<** | **0.040** | **0.002<** | **0.080** | **0.102** |
| **STD DEV** | | | | | | **9.6** | **2.2** | **0.005** | **0.000L** | **0.008L** | **0.112** | **0.001L** | **0.061** | **0.061** |
| **NO OF SAMPLES** | | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | NNKUR | NNKI | COND25 | TURB | PH |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | PH |
| 80 01 07 0945 | | | .3 | 1 | 0.180 | 0.432 | 76.0 | 0.50 | |
| 80 02 12 0900 | | | .3 | 1 | 0.180 | 0.412 | 80.0 | 0.35 | |
| 80 03 11 1045 | | | .3 | 1 | 0.070 | 0.322 | 88.0 | 0.52 | |
| 80 04 10 1045 | | | .3 | 1 | 0.170 | 0.442 | 74.0 | 0.56 | |
| 80 05 13 1045 | | | .3 | 1 | 0.460 | 0.702 | 7.5 | 0.55 | |
| 80 06 04 1201 | | | .3 | 1 | 0.310 | 0.524 | 73.0 | 0.65 | |
| 80 07 07 1245 | | | .3 | 1 | 0.030 | 0.182 | 74.0 | 0.46 | |
| 80 08 13 1300 | | | .3 | 1 | 0.250 | 0.352 | 75.0 | 0.59 | |
| 80 09 04 1250 | | | .3 | 1 | 0.220 | 0.332 | 75.0 | 0.45 | |
| 80 10 14 1345 | | | .3 | 1 | 0.190 | 0.332 | 76.0 | 0.45 | |
| 80 11 16 1050 | | | .3 | 1 | 0.220 | 0.402 | 75.0 | 0.86 | |
| 80 12 21 0630 | | | .3 | 1 | 0.210 | 0.472 | 74.0 | 0.65 | 7.10 |
| **MAXIMUM** | | | | | **0.460** | **0.702** | **88.0** | **0.86** | **7.10** |
| **ARITH MEAN** | | | | | **0.207** | **0.409** | **70.6** | **0.55** | **7.10** |
| **GEOM MEAN** | | | | | **0.174** | **0.390** | **62.9** | **0.54** | |
| **MINIMUM** | | | | | **0.030** | **0.182** | **7.5** | **0.35** | **7.10** |
| **STD DEV** | | | | | **0.109** | **0.128** | **20.3** | **0.13** | |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **1** |

B.O.W./ SITE: **CLYDE RIVER**
SAMPLE POINT: **BELOW LANARK**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **MISSISSIPPI RIVER**

STATION ID: **18-3430-520-02**
STORET CODE: **02**
**006**
**2670**

LAT: LONG: U T M: **18 0392425.0 4985000.0 4** REGION: **04** DISTANCE: **88.902**

| TEST-NAME: | | | | | SAMPLE | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N |
| 80 01 07 1400 | | | .3 | 1 | 16403 | | | 0.0 | 12.0 | 2.5 | 0.008 | 0.002 | 0.080 | 0.580 |
| 80 02 12 1115 | | | .3 | 1 | 16420 | | | 0.0 | 12.0 | 0.4 | 0.004 | 0.002 | 0.060 | 0.210 |
| 80 03 11 1400 | | | .3 | 1 | 16425 | | | 0.0 | 12.0 | 0.6 | 0.014 | 0.006 | 0.120 | 0.420 |
| 80 04 10 1400 | | | .3 | 1 | 16442 | 220 | 8 | 4.0 | 10.0 | 0.2 | 0.010 | 0.002< | 0.030 | 0.400 |
| 80 05 13 1400 | | | .3 | 1 | 16447 | 4< | 56 | 14.0 | 10.0 | 0.9 | 0.034 | 0.016 | 0.030 | 0.280 |
| 80 06 04 0920 | | | .3 | 1 | 16458 | 108 | 28 | 19.0 | 8.0 | 0.4 | 0.010 | 0.002< | 0.020 | 0.370 |
| 80 07 07 1040 | | | .3 | 1 | 16469 | 96 | 20 | 22.0 | 8.0 | 0.3 | 0.006 | 0.002< | 0.040 | 0.340 |
| 80 08 13 1010 | | | .3 | 1 | 16480 | 160 | 44 | 23.5 | 7.0 | 0.3 | 0.036 | 0.004 | 0.040 | 0.670 |
| 80 09 04 1020 | | | .3 | 1 | 16491 | 960 | 64 | 27.0 | 7.0 | 0.2< | 0.016 | 0.006 | 0.040 | 0.610 |
| 80 10 14 1615 | | | .3 | 1 | 16502 | 256 | 68 | 9.5 | 12.0 | 1.3 | 0.028 | 0.008 | 0.020 | 0.500 |
| 80 11 16 1310 | | | .3 | 1 | 16513 | | | 1.5 | 12.0 | 0.5 | 0.012 | 0.002< | 0.020 | 0.390 |
| 80 12 21 1115 | | | .3 | 1 | 16524 | | | 0.0 | 14.0 | | 0.014 | 0.002 | 0.040 | 0.450 |
| MAXIMUM | | | | | | **960** | **68** | **27.0** | **14.0** | **2.5** | **0.036** | **0.016** | **0.120** | **0.670** |
| ARITH MEAN | | | | | | **258L** | **41** | **10.0** | **10.3** | **0.7L** | **0.016** | **0.004L** | **0.045** | **0.435** |
| GEOM MEAN | | | | | | **120L** | **34** | **4.9** | **10.1** | **0.5L** | **0.013** | **0.003L** | **0.039** | **0.415** |
| MINIMUM | | | | | | **4<** | **8** | **0.0** | **7.0** | **0.2<** | **0.004** | **0.002<** | **0.020** | **0.210** |
| STD DEV | | | | | | **321L** | **23** | **10.5** | **2.3** | **0.7L** | **0.011** | **0.004L** | **0.029** | **0.136** |
| NO OF SAMPLES | | | | | | **7** | **7** | **12** | **12** | **11** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 01 07 1400 | | | .3 | 1 | 0.004 | 0.080 | 0.164 | 0.500 | 0.664 | 260.0 | 1.30 | 5.200 | |
| 80 02 12 1115 | | | .3 | 1 | 0.006 | 0.110 | 0.176 | 0.150 | 0.326 | 280.0 | 0.70 | 3.000 | |
| 80 03 11 1400 | | | .3 | 1 | 0.008 | 0.170 | 0.298 | 0.300 | 0.598 | 290.0 | 1.10 | 4.000 | |
| 80 04 10 1400 | | | .3 | 1 | 0.004 | 0.080 | 0.114 | 0.370 | 0.484 | 180.0 | 0.53 | 2.800 | |
| 80 05 13 1400 | | | .3 | 1 | 0.006 | 0.020< | 0.056 | 0.250 | 0.306 | 225.0 | 1.10 | 2.300 | |
| 80 06 04 0920 | | | .3 | 1 | 0.004 | 0.020 | 0.044 | 0.350 | 0.394 | 235.0 | 0.90 | 2.500 | |
| 80 07 07 1040 | | | .3 | 1 | 0.002 | 0.020 | 0.062 | 0.300 | 0.362 | 230.0 | 0.75 | 2.800 | |
| 80 08 13 1010 | | | .3 | 1 | 0.002 | 0.020< | 0.062 | 0.630 | 0.692 | 240.0 | 0.98 | 2.800 | |
| 80 09 04 1020 | | | .3 | 1 | 0.002< | 0.020< | 0.062 | 0.570 | 0.632 | 245.0 | 1.10 | 1.800 | |
| 80 10 14 1615 | | | .3 | 1 | 0.002 | 0.020< | 0.042 | 0.480 | 0.522 | 250.0 | 0.60 | 3.800 | |
| 80 11 16 1310 | | | .3 | 1 | 0.002 | 0.020 | 0.042 | 0.370 | 0.412 | 245.0 | 2.00 | 3.000 | |
| 80 12 21 1115 | | | .3 | 1 | 0.006 | 0.070 | 0.116 | 0.410 | 0.526 | 240.0 | 0.65 | | 7.70 |
| MAXIMUM | | | | | **0.008** | **0.170** | **0.298** | **0.630** | **0.692** | **290.0** | **2.00** | **5.200** | **7.70** |
| ARITH MEAN | | | | | **0.004L** | **0.054L** | **0.103** | **0.390** | **0.493** | **243.3** | **0.98** | **3.091** | **7.70** |
| GEOM MEAN | | | | | **0.004L** | **0.039L** | **0.084** | **0.368** | **0.478** | **241.8** | **0.91** | **2.976** | |
| MINIMUM | | | | | **0.002<** | **0.020<** | **0.042** | **0.150** | **0.306** | **180.0** | **0.53** | **1.800** | **7.70** |
| STD DEV | | | | | **0.002L** | **0.049L** | **0.077** | **0.137** | **0.134** | **27.7** | **0.40** | **0.932** | |
| NO OF SAMPLES | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **11** | **1** |

B.O.W./ SITE: **CLYDE RIVER**
SAMPLE POINT: **ABOVE LANARK**
STATION TYPE: **RIVER FLOW GAUGE FED 02KF010**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **MISSISSIPPI RIVER**

STATION ID: **18-3430-530-02**
STORET CODE: **02**
**006**
**2670**

LAT: LONG: U T M: **18 0392500.0 4987000.0 4** REGION: **04** DISTANCE: **90.121**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 01 07 1410 | | | .3 | 1 | 16404 | | 8.050 | 0.0 | 12.0 | 0.004 | 0.010 | 0.010 | 0.410 | 0.004 |
| 80 02 12 1130 | | | .3 | 1 | 16421 | 4 | 2.870 | 0.0 | 12.0 | 0.006 | 0.004 | 0.060 | 0.340 | 0.006 |
| 80 03 11 1415 | | | .3 | 1 | 16426 | 4 | 1.900 | 0.0 | 12.0 | 0.016 | 0.006 | 0.110 | 0.330 | 0.006 |
| 80 04 10 1415 | | | .3 | 1 | 16443 | | 28.200 | 4.0 | 10.0 | 0.014 | 0.002< | 0.050 | 0.510 | 0.004 |
| | | | 3 | | 16643 | | 28.200 | 4.0 | 10.0 | | | | | |
| 80 05 13 1415 | | | .3 | 1 | 16448 | | 14.400 | 14.0 | 10.0 | 0.008 | 0.002 | 0.030 | 0.360 | 0.002 |
| 80 06 04 0930 | | | .3 | 1 | 16459 | | 5.670 | 19.0 | 9.0 | 0.012 | 0.002< | 0.020 | 0.460 | 0.004 |
| 80 07 07 1015 | | | .3 | 1 | 16470 | | 2.600 | 21.5 | 9.0 | 0.002< | 0.002< | 0.030 | 0.070 | 0.002 |
| 80 08 13 1000 | | | .3 | 1 | 16481 | | 1.240 | 23.0 | 9.0 | 0.024 | 0.002 | 0.020 | 0.620 | 0.002 |
| 80 09 04 1020 | | | .3 | 1 | 16491 | | 0.850 | 22.0 | 7.0 | 0.018 | 0.002 | 0.040 | 0.420 | 0.002 |
| 80 10 14 1630 | | | .3 | 1 | 16503 | | 1.060 | 9.0 | 12.0 | 0.020 | 0.006 | 0.040 | 0.480 | 0.002 |
| 80 11 16 1320 | | | .3 | 1 | 16514 | | 4.320 | 1.5 | 13.0 | 0.012 | 0.002< | 0.010 | 0.430 | 0.002 |
| MAXIMUM | | | | | | | **28.200** | **23.0** | **13.0** | **0.024** | **0.010** | **0.110** | **0.620** | **0.006** |
| ARITH MEAN | | | | | | | **8.280** | **9.8** | **10.4** | **0.012L** | **0.004L** | **0.038** | **0.403** | **0.003** |
| GEOM MEAN | | | | | | | **4.260** | **5.4** | **10.3** | **0.010L** | **0.003L** | **0.030** | **0.383** | **0.003** |
| MINIMUM | | | | | | | **0.850** | **0.0** | **7.0** | **0.002<** | **0.002<** | **0.010** | **0.070** | **0.002** |
| STD DEV | | | | | | | **10.068** | **9.5** | **1.8** | **0.007L** | **0.003L** | **0.029** | **0.138** | **0.002** |
| NO OF SAMPLES | | | | | | | **12** | **12** | **12** | **11** | **11** | **11** | **11** | **11** |

(CONTD)

| TEST-NAME: | | | | | NNO3FR | NNTIFR | NNKUR | NNKI | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 01 07 1410 | | | .3 | 1 | 0.080 | 0.094 | 0.400 | 0.494 | 210.0 | 1.00 |
| 80 02 12 1130 | | | .3 | 1 | 0.110 | 0.176 | 0.280 | 0.456 | 280.0 | 0.60 |
| 80 03 11 1415 | | | .3 | 1 | 0.170 | 0.286 | 0.220 | 0.506 | 255.0 | 0.92 |
| 80 04 10 1415 | | | .3 | 1 | 0.020 | 0.074 | 0.460 | 0.534 | 220.0 | 0.50 |
| 80 05 13 1415 | | | .3 | 1 | 0.020< | 0.052 | 0.330 | 0.382 | 264.0 | 0.65 |
| 80 06 04 0930 | | | .3 | 1 | 0.060 | 0.084 | 0.440 | 0.524 | 235.0 | 0.80 |
| 80 07 07 1015 | | | .3 | 1 | 0.020< | 0.052 | 0.040 | 0.092 | 230.0 | 0.72 |
| 80 08 13 1000 | | | .3 | 1 | 0.020< | 0.042 | 0.600 | 0.642 | 240.0 | 0.91 |
| 80 09 04 1020 | | | .3 | 1 | 0.020< | 0.062 | 0.380 | 0.442 | 240.0 | 0.75 |
| 80 10 14 1630 | | | .3 | 1 | 0.020< | 0.062 | 0.440 | 0.502 | 250.0 | 0.55 |
| 80 11 16 1320 | | | .3 | 1 | 0.020 | 0.032 | 0.420 | 0.452 | 240.0 | 1.60 |
| MAXIMUM | | | | | 0.170 | 0.286 | 0.600 | 0.642 | 280.0 | 1.60 |
| ARITH MEAN | | | | | 0.051L | 0.092 | 0.365 | 0.457 | 242.2 | 0.82 |
| GEOM MEAN | | | | | 0.036L | 0.075 | 0.312 | 0.420 | 241.5 | 0.78 |
| MINIMUM | | | | | 0.020< | 0.032 | 0.040 | 0.092 | 210.0 | 0.50 |
| STD DEV | | | | | 0.050L | 0.075 | 0.147 | 0.138 | 19.7 | 0.30 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 |

| | | | |
|---|---|---|---|
| B.O.W./ SITE | **BENNETT LAKE OUTLET** | | STATION ID: **18-3430-610-02** |
| SAMPLE POINT: | **AT OUTLET DAM NEAR FALLBROOK** | | STORET CODE: **02**<br>**006**<br>**2670** |
| STATION TYPE: | **RIVER** | MAJOR BASIN: **GREAT LAKES**<br>MINOR BASIN: **OTTAWA RIVER**<br>TERM STREAM: **MISSISSIPPI RIVER** | |
| LAT: | LONG: | U.T.M.: **18 0388700.0 4977900.0 4** | REGION: **04** DISTANCE: **88.351** |

| TEST-NAME: | | | | | SAMPLE | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L |
| 80 01 07 1335 | | | .3 | 1 | 16402 | 0.0 | 12.0 | 0.004 | 0.002< | 0.040 | 0.700 | 0.002 | 0.020 | 0.062 |
| 80 02 12 1050 | | | .3 | 1 | 16419 | 0.0 | 10.0 | 0.008 | 0.002 | 0.060 | 0.440 | 0.002 | 0.040 | 0.102 |
| 80 03 11 1345 | | | .3 | 1 | 16424 | 0.0 | 10.0 | 0.008 | 0.004 | 0.080 | 0.310 | 0.004 | 0.040 | 0.124 |
| 80 04 10 1345 | | | .3 | 1 | 16441 | 5.0 | 9.0 | 0.018 | 0.002< | 0.030 | 0.450 | 0.006 | 0.130 | 0.166 |
| 80 05 13 1345 | | | .3 | 1 | 16446 | 14.0 | 10.0 | 0.024 | 0.004 | 0.040 | 0.430 | 0.008 | 0.020< | 0.068 |
| 80 06 04 0945 | | | .3 | 1 | 16457 | 19.0 | 9.0 | 0.014 | 0.002< | 0.020 | 0.490 | 0.004 | 0.020< | 0.044 |
| 80 07 07 1100 | | | .3 | 1 | 16468 | 22.5 | 8.0 | 0.008 | 0.002< | 0.040 | 0.390 | 0.002 | 0.020< | 0.062 |
| 80 08 13 1030 | | | .3 | 1 | 16479 | 29.0 | 8.0 | 0.030 | 0.002 | 0.030 | 0.570 | 0.002< | 0.020< | 0.052 |
| 80 09 04 1040 | | | .3 | 1 | 16490 | 23.0 | 8.0 | 0.006 | 0.002< | 0.040 | 0.490 | 0.002< | 0.020< | 0.062 |
| 80 10 14 1550 | | | .3 | 1 | 16501 | 9.0 | 12.0 | 0.022 | 0.002 | 0.060 | 0.510 | 0.002 | 0.020< | 0.082 |
| 80 11 16 1240 | | | .3 | 1 | 16512 | 3.0 | 11.0 | 0.012 | 0.002< | 0.040 | 0.510 | 0.002 | 0.020 | 0.062 |
| MAXIMUM | | | | | | 29.0 | 12.0 | 0.030 | 0.004 | 0.080 | 0.700 | 0.008 | 0.130 | 0.166 |
| ARITH MEAN | | | | | | 11.3 | 9.7 | 0.014 | 0.002L | 0.044 | 0.481 | 0.003L | 0.034L | 0.081 |
| GEOM MEAN | | | | | | 6.2 | 9.6 | 0.012 | 0.002L | 0.041 | 0.472 | 0.003L | 0.027L | 0.076 |
| MINIMUM | | | | | | 0.0 | 8.0 | 0.004 | 0.002< | 0.020 | 0.310 | 0.002< | 0.020< | 0.044 |
| STD DEV | | | | | | 10.7 | 1.5 | 0.008 | 0.001L | 0.017 | 0.100 | 0.002L | 0.033L | 0.037 |
| NO OF SAMPLES | | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | NNKUR | NNKI | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 01 07 1335 | | | .3 | 1 | 0.660 | 0.722 | 260.0 | 0.85 |
| 80 02 12 1050 | | | .3 | 1 | 0.380 | 0.482 | 255.0 | 0.55 |
| 80 03 11 1345 | | | .3 | 1 | 0.230 | 0.354 | 250.0 | 0.82 |
| 80 04 10 1345 | | | .3 | 1 | 0.420 | 0.586 | 165.0 | 0.71 |
| 80 05 13 1345 | | | .3 | 1 | 0.390 | 0.458 | 200.0 | 1.20 |
| 80 06 04 0945 | | | .3 | 1 | 0.470 | 0.514 | 205.0 | 0.80 |
| 80 07 07 1100 | | | .3 | 1 | 0.350 | 0.412 | 230.0 | 0.65 |
| 80 08 13 1030 | | | .3 | 1 | 0.540 | 0.592 | 215.0 | 0.83 |
| 80 09 04 1040 | | | .3 | 1 | 0.450 | 0.512 | 200.0 | |
| 80 10 14 1550 | | | .3 | 1 | 0.450 | 0.532 | 225.0 | 0.65 |
| 80 11 16 1240 | | | .3 | 1 | 0.470 | 0.532 | 230.0 | 1.40 |
| MAXIMUM | | | | | 0.660 | 0.722 | 260.0 | 1.40 |
| ARITH MEAN | | | | | 0.437 | 0.518 | 221.4 | 0.85 |
| GEOM MEAN | | | | | 0.424 | 0.510 | 219.6 | 0.81 |
| MINIMUM | | | | | 0.230 | 0.354 | 165.0 | 0.55 |
| STD DEV | | | | | 0.109 | 0.098 | 28.3 | 0.26 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 10 |

B O W / SITE **MADAWASKA RIVER**
SAMPLE POINT **HIGHWAY 17 BRIDGE ARNPRIOR**
STATION TYPE **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **MADAWASKA RIVER**

STATION ID **18-3490-020-02**
STORET CODE: **02**
**006**
**2710**

LAT LONG U T M **18 0394350.0 5031850.0 4** REGION **04** DISTANCE: **1.127**

| TEST-NAME: | | | | | SAMPLE | FWTEMP | DO | PPUT | PPO4FR | RSP | COND25 | ALKT | PH | COLAP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | ALK TOTAL MG/L AS CACO3 | PH | COLOUR APPARENT HZU |
| 80 01 08 0930 | | | 3 | 1 | 16408 | 0.0 | 12.0 | 0.004 | 0.004 | | 105.0 | | | |
| 80 02 11 1045 | | | 3 | 1 | 16414 | 0.0 | 12.0 | 0.006 | 0.002 | 1.00 | | 74 | 7.20 | 23.000 |
| 80 03 12 1045 | | | 3 | 1 | 16430 | 0.0 | 12.0 | 0.008 | 0.006 | 1.00< | | 28.0 | 7.30 | 15.000 |
| 80 04 09 0945 | | | 3 | 1 | 16436 | 3.0 | 10.0 | 0.010 | 0.002< | 4.00 | | 34.0 | 7.40 | 28.000 |
| 80 05 14 1045 | | | 3 | 1 | 16452 | 13.0 | 10.0 | 0.018 | 0.006 | 8.00 | 108.0 | 39.0 | 7.70 | 34.000 |
| 80 06 03 1133 | | | 3 | 1 | 16463 | 16.5 | 11.0 | 0.018 | | 5.00 | 124.0 | | | 26.000 |
| 80 07 09 1145 | | | 3 | 1 | 16474 | 20.0 | 8.0 | 0.122 | 0.002< | 40.00 | | 42.0 | 7.30 | 26.000 |
| 80 08 13 0600 | | | 3 | 1 | 16485 | 22.5 | 7.5 | | | | | | | |
| 80 09 04 0600 | | | 3 | 1 | 16496 | 21.0 | 7.5 | 0.008 | 0.002 | 1.00 | 110.0 | 41.0 | 7.60 | 23.000 |
| 80 10 13 1315 | | | 3 | 1 | 16507 | 12.0 | 9.0 | 0.037 | 0.008 | 4.00 | 108.0 | 39.0 | 7.80 | 18.000 |
| 80 11 16 1610 | | | 3 | 1 | 16518 | 4.0 | 12.0 | 0.016 | 0.002< | 3.00 | 98.0 | 35.0 | 7.50 | 22.000 |
| 80 12 21 1610 | | | 3 | 1 | 16529 | 0.0 | 11.0 | 0.008 | 0.002 | | 100.0 | 35.0 | 7.50 | 0.300 |
| MAXIMUM | | | | | | 22.5 | 12.0 | 0.122 | 0.008 | 40.00 | 124.0 | 74 | 7.80 | 34.000 |
| ARITH MEAN | | | | | | 9.3 | 10.2 | 0.023 | 0.004L | 7.44L | 107.6 | 40 | 7.48 | 21.530 |
| GEOM MEAN | | | | | | 6.1 | 10.0 | 0.014 | 0.003L | 3.49L | 107.3 | 39 | 7.48 | 15.076 |
| MINIMUM | | | | | | 0.0 | 7.5 | 0.004 | 0.002< | 1.00< | 98.0 | 28.0 | 7.20 | 0.300 |
| STD DEV | | | | | | 9.1 | 1.8 | 0.034 | 0.002L | 12.42L | 8.5 | 13 | 0.20 | 9.115 |
| NO OF SAMPLES | | | | | | 12 | 12 | 11 | 10 | 9 | 7 | 9 | 9 | 10 |

| TEST-NAME: | | | | | CUUT | PBUT | ZNUT | P1PCBT |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | PCB TOTAL UG/L |
| 80 02 11 1045 | | | 3 | 1 | 0.010 < | 0.030< | 0.010< | |
| 80 03 12 1045 | | | 3 | 1 | 0.010 < | 0.030< | 0.010< | 0.020R |
| 80 04 09 0945 | | | 3 | 1 | 0.010 < | 0.030< | 0.010< | 0.020R |
| 80 05 14 1045 | | | 3 | 1 | 0.010 < | 0.030< | 0.010< | 0.020 |
| 80 06 03 1133 | | | 3 | 1 | 0.010 < | 0.040 | 0.010< | 0.020R |
| 80 07 09 1145 | | | 3 | 1 | 0.010 < | 0.030< | 0.010< | 0.020R |
| 80 08 13 0600 | | | 3 | 1 | 0.001 < | 0.003< | 0.001< | 0.020R |
| 80 09 04 0600 | | | 3 | 1 | 0.009 | 0.003< | 0.005 | 0.020 |
| 80 10 13 1315 | | | 3 | 1 | | | | 0.020 |
| 80 11 16 1610 | | | 3 | 1 | 0.001 < | 0.003< | 0.002 | 0.020R |
| 80 12 21 1610 | | | 3 | 1 | 0.0005< | 0.003< | 0.004 | 0.020R |
| MAXIMUM | | | | | 0.010 | 0.040 | 0.010 | |
| ARITH MEAN | | | | | 0.007 L | 0.020L | 0.007L | |
| GEOM MEAN | | | | | 0.004 L | 0.012L | 0.006L | |
| MINIMUM | | | | | 0.0005< | 0.003< | 0.001< | |
| STD DEV | | | | | 0.004 L | 0.015L | 0.004L | |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | |

B O W / SITE **BONNECHERE RIVER**
SAMPLE POINT **COUNTY ROAD 3 2 MILES EAST OF CASTLEFORD**
STATION TYPE **RIVER FLOW GAUGE FED 02KC009**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **BONNECHERE RIVER**

STATION ID: **18-3690-010-02**
STORET CODE: **02**
**006**
**2905**

LAT LONG: U T M: **18 0378400.0 5041075.0 4** REGION **04** DISTANCE: **0.805**

| TEST-NAME: | | | | | SAMPLE | FWFLOW | FCMF | FSMF | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM FLOW M3 /S | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N |
| 80 06 23 0930 | | | 3 | 1 | 15421 | 24.000 | | | 18.0 | 10.0 | 0.052 | 0.008 | 0.070 | 0.490 |
| 80 07 07 0845 | | | 3 | 1 | 15423 | 27.700 | 8 | 12 | 19.0 | 10.0 | 0.012 | 0.002 | 0.050 | 0.220 |
| 80 08 11 0930 | | | 3 | 1 | 15425 | 20.700 | | | 23.0 | 9.0 | 0.052 | 0.016 | 0.060 | 0.510 |
| 80 09 08 0945 | | | 3 | 1 | 15427 | 7.480 | 4< | 4< | 19.0 | 9.0 | 0.024 | 0.012 | 0.030 | 0.470 |
| 80 10 06 0930 | | | 3 | 1 | 15429 | 11.600 | | | 11.0 | 13.0 | 0.024 | 0.002< | 0.030 | 0.550 |
| 80 11 03 1015 | | | 3 | 1 | 15431 | 21.700 | | | 3.0 | 15.0 | 0.022 | 0.002 | 0.020 | 0.370 |
| 80 12 01 0930 | | | 3 | 1 | 15433 | 20.100 | 16 | 8 | 2.0 | 15.0 | 0.018 | 0.002 | 0.090 | 0.260 |
| MAXIMUM | | | | | | 27.700 | 16 | 12 | 23.0 | 15.0 | 0.052 | 0.016 | 0.090 | 0.550 |
| ARITH MEAN | | | | | | 19.040 | 9L | 8L | 13.6 | 11.6 | 0.029 | 0.006L | 0.050 | 0.410 |
| GEOM MEAN | | | | | | 17.589 | 8L | 7L | 10.0 | 11.3 | 0.026 | 0.004L | 0.044 | 0.390 |
| MINIMUM | | | | | | 7.480 | 4< | 4< | 2.0 | 9.0 | 0.012 | 0.002< | 0.020 | 0.220 |
| STD DEV | | | | | | 7.066 | 6L | 4L | 8.4 | 2.7 | 0.016 | 0.006L | 0.025 | 0.129 |
| NO OF SAMPLES | | | | | | 7 | 3 | 3 | 7 | 7 | 7 | 7 | 7 | 7 |

| TEST-NAME: | | | | | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | COND25 | TURB | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | PH |
| 80 06 23 0930 | | | 3 | 1 | 0.010 | 0.250 | 0.330 | 0.420 | 0.750 | 265.0 | 6.00 | |
| 80 07 07 0845 | | | 3 | 1 | 0.002 | 0.180 | 0.232 | 0.170 | 0.402 | 65.0 | 1.70 | |
| 80 08 11 0930 | | | 3 | 1 | 0.004 | 0.080 | 0.144 | 0.450 | 0.594 | 122.0 | 3.10 | |
| 80 09 08 0945 | | | 3 | 1 | 0.028 | 0.020 | 0.078 | 0.440 | 0.518 | 145.0 | 1.90 | |
| 80 10 06 0930 | | | 3 | 1 | 0.008 | 0.030 | 0.068 | 0.520 | 0.588 | 150.0 | 1.50 | |
| 80 11 03 1015 | | | 3 | 1 | 0.004 | 0.060 | 0.084 | 0.350 | 0.434 | 180.0 | 2.70 | 7.70 |
| 80 12 01 0930 | | | 3 | 1 | 0.002 | 0.060 | 0.152 | 0.170 | 0.322 | 170.0 | 1.30 | 7.70 |
| MAXIMUM | | | | | 0.028 | 0.250 | 0.330 | 0.520 | 0.750 | 265.0 | 6.00 | 7.70 |
| ARITH MEAN | | | | | 0.008 | 0.097 | 0.155 | 0.360 | 0.516 | 156.7 | 2.60 | 7.70 |
| GEOM MEAN | | | | | 0.005 | 0.069 | 0.133 | 0.331 | 0.498 | 145.8 | 2.28 | 7.70 |
| MINIMUM | | | | | 0.002 | 0.020 | 0.068 | 0.170 | 0.322 | 65.0 | 1.30 | 7.70 |
| STD DEV | | | | | 0.009 | 0.085 | 0.096 | 0.139 | 0.143 | 60.9 | 1.63 | 0.00 |
| NO OF SAMPLES | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 2 |

B.O.W./SITE: **PETAWAWA RIVER**
SAMPLE POINT: **HIGHWAY 17 BRIDGE PETAWAWA**
STATION TYPE: **RIVER FLOW GAUGE FED 02KB001**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **PETAWAWA RIVER**

STATION ID: **18-4930-020-02**
STORET CODE: **02**
**006**
**4350**

LAT: LONG: U T M: **18 0322700.0 5085650.0 4** REGION: **04** DISTANCE: **2.807**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 06 10 0830 | | | .3 | 1 | 15401 | 6 | 50.200 | 15.0 | 8.8 | 0.012 | 0.004 | 0.010< | 0.270 | 0.004 |
| 80 08 05 0830 | | | .3 | 1 | 15516 | 0.6 | 82.100 | 16.0 | 8.2 | 0.020 | 0.016 | 0.030 | 0.350 | 0.002 |
| 80 09 08 1200 | | | .3 | 1 | 15405 | 0.6 | 41.700 | 19.0 | | 0.014 | 0.001< | 0.040 | 0.370 | 0.002 |
| 80 10 06 1145 | | | .3 | 1 | 15406 | 6 | 67.000 | 13.0 | 11.0 | 0.012 | 0.002 | 0.010< | 0.380 | 0.002 |
| MAXIMUM | | | | | | | **82.100** | **19.0** | **11.0** | **0.020** | **0.016** | **0.040** | **0.380** | **0.004** |
| ARITH MEAN | | | | | | | **60.250** | **16.7** | **9.3** | **0.014** | **0.006L** | **0.022L** | **0.342** | **0.002** |
| GEOM MEAN | | | | | | | **58.252** | **15.8** | **9.3** | **0.014** | **0.003L** | **0.019L** | **0.340** | **0.002** |
| MINIMUM | | | | | | | **41.700** | **13.0** | **8.2** | **0.012** | **0.001<** | **0.010<** | **0.270** | **0.002** |
| STD DEV | | | | | | | **17.964** | **2.5** | **1.5** | **0.004** | **0.007L** | **0.015L** | **0.050** | **0.001** |
| NO OF SAMPLES | | | | | | | **4** | **4** | **3** | **4** | **4** | **4** | **4** | **4** |

| TEST-NAME: | | | | | NNO3FR | NNTIFR | NNKUR | NNKI | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 06 10 0830 | | | .3 | 1 | 0.080 | 0.094 | 0.260 | 0.354 | 48.0 | 0.80 |
| 80 08 05 0830 | | | .3 | 1 | 0.040 | 0.072 | 0.320 | 0.392 | 48.0 | 0.74 |
| 80 09 08 1200 | | | .3 | 1 | 0.060 | 0.102 | 0.330 | 0.432 | 53.0 | 0.75 |
| 80 10 06 1145 | | | .3 | 1 | 0.060 | 0.072 | 0.370 | 0.442 | 47.0 | 0.60 |
| MAXIMUM | | | | | **0.080** | **0.102** | **0.370** | **0.442** | **53.0** | **0.80** |
| ARITH MEAN | | | | | **0.060** | **0.085** | **0.320** | **0.405** | **49.0** | **0.72** |
| GEOM MEAN | | | | | **0.058** | **0.084** | **0.317** | **0.403** | **48.9** | **0.72** |
| MINIMUM | | | | | **0.040** | **0.072** | **0.260** | **0.354** | **47.0** | **0.60** |
| STD DEV | | | | | **0.016** | **0.016** | **0.045** | **0.040** | **2.7** | **0.09** |
| NO OF SAMPLES | | | | | **4** | **4** | **4** | **4** | **4** | **4** |

B.O.W./SITE: **MATTAWA RIVER**
SAMPLE POINT: **HIGHWAY 533 BRIDGE MATTAWA**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **MATTAWA RIVER**

STATION ID: **18-6070-020-02**
STORET CODE: **02**
**006**
**5570**

LAT: LONG: U T M: **17 0676450.0 5131800.0 4** REGION: **05** DISTANCE: **0.161**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 03 30 1650 | | | .3 | 1 | 13311 | 6 | 1.0 | | 0.019 | 0.001 | 0.046 | 0.370 | 0.003 | 0.352 |
| 80 04 26 1720 | | | .3 | 1 | 13329 | 6 | 6.0 | 12.0 | 0.019 | 0.001 | 0.074 | 0.470 | 0.007 | 0.168 |
| 80 06 01 1430 | | | .3 | 1 | 13340 | 6 | 19.0 | 10.0 | 0.015 | 0.001 | 0.048 | 0.390 | 0.004 | 0.056 |
| 80 06 22 1825 | | | .3 | 1 | 13358 | 6 | 19.0 | 10.0 | 0.018 | 0.001 | 0.044 | 0.410 | 0.003 | 0.052 |
| 80 07 12 1410 | | | .3 | 1 | 13369 | 6 | 22.0 | 9.0 | | | | | | |
| 80 08 03 1800 | | | .3 | 1 | 13387 | 6 | 24.0 | 8.0 | 0.020 | 0.002 | 0.096 | 0.560 | 0.007 | 0.068 |
| 80 09 01 1400 | | | .3 | 1 | 13398 | 6 | 22.0 | 8.0 | 0.014 | 0.001 | 0.350 | 0.860 | 0.007 | 0.143 |
| 80 10 05 1700 | | | .3 | 1 | 13416 | 6 | 7.0 | | 0.011 | 0.001< | 0.208 | 0.590 | 0.008 | 0.112 |
| 80 10 30 1450 | | | .3 | 1 | 13427 | 6 | 5.0 | | 0.024 | 0.001 | 0.200 | 0.550 | 0.006 | 0.154 |
| 80 11 30 1235 | | | .3 | 1 | 13445 | 6 | 1.0 | | 0.008 | 0.001 | 0.078 | 0.40 | 0.003 | 0.142 |
| MAXIMUM | | | | | | | **24.0** | **12.0** | **0.024** | **0.002** | **0.350** | **0.860** | **0.008** | **0.352** |
| ARITH MEAN | | | | | | | **12.6** | **9.5** | **0.016** | **0.001L** | **0.127** | **0.51** | **0.005** | **0.139** |
| GEOM MEAN | | | | | | | **7.8** | **9.4** | **0.016** | **0.001L** | **0.097** | **0.49** | **0.005** | **0.117** |
| MINIMUM | | | | | | | **1.0** | **8.0** | **0.008** | **0.001<** | **0.044** | **0.370** | **0.003** | **0.052** |
| STD DEV | | | | | | | **9.4** | **1.6** | **0.005** | **0.000L** | **0.105** | **0.15** | **0.002** | **0.091** |
| NO OF SAMPLES | | | | | | | **10** | **8** | **9** | **9** | **9** | **9** | **9** | **9** |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 03 30 1650 | | | .3 | 1 | 0.401 | 0.324 | 0.725 | 48.0 | 4.0 | 44.000 | 68.0 | 3.00 | 3.600 | |
| 80 04 26 1720 | | | .3 | 1 | 0.249 | 0.396 | 0.645 | 39.0 | 3.0 | 36.000 | 55.0 | 2.80 | 1.400 | 6.62 |
| 80 06 01 1430 | | | .3 | 1 | 0.108 | 0.342 | 0.450 | 39.0 | 3.0 | 36.000 | 55.0 | 2.20 | 1.550 | 7.11 |
| 80 06 22 1825 | | | .3 | 1 | 0.099 | 0.366 | 0.465 | 34.0 | 1.0 | 33.000 | 50.0 | 1.60 | 1.450 | 7.08 |
| 80 08 03 1800 | | | .3 | 1 | 0.171 | 0.464 | 0.635 | 43.0 | 4.0 | 39.000 | 60.0 | 1.70 | 1.900 | 7.05 |
| 80 09 01 1400 | | | .3 | 1 | 0.500 | 0.510 | 1.010 | 47.0 | 1.0 | 46.000 | 70.0 | 1.10 | 1.650 | 6.73 |
| 80 10 05 1700 | | | .3 | 1 | 0.328 | 0.382 | 0.710 | 43.0 | 3.0 | 40.000 | 62.0 | 1.40 | 1.600 | 6.43 |
| 80 10 30 1450 | | | .3 | 1 | 0.360 | 0.350 | 0.710 | 42.0 | 2.0 | 40.000 | 62.0 | 2.40 | 1.500 | 6.98 |
| 80 11 30 1235 | | | .3 | 1 | 0.223 | 0.322 | 0.545 | 44 | 2 | 42 | 64 | 1.8 | 1.55 | 7.25 |
| MAXIMUM | | | | | **0.500** | **0.510** | **1.010** | **48.0** | **4.0** | **46.000** | **70.0** | **3.00** | **3.600** | **7.25** |
| ARITH MEAN | | | | | **0.271** | **0.384** | **0.665** | **42** | **2** | **39** | **60** | **2.0** | **1.80** | **6.91** |
| GEOM MEAN | | | | | **0.237** | **0.380** | **0.637** | **41** | **2** | **39** | **60** | **1.9** | **1.72** | **6.90** |
| MINIMUM | | | | | **0.099** | **0.322** | **0.450** | **34.0** | **1.0** | **33.000** | **50.0** | **1.10** | **1.400** | **6.43** |
| STD DEV | | | | | **0.137** | **0.064** | **0.169** | **4** | **1** | **4** | **6** | **0.6** | **0.69** | **0.28** |
| NO OF SAMPLES | | | | | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **8** |

(CONTD)

B O W / SITE **MATTAWA RIVER**
SAMPLE POINT **HIGHWAY 533 BRIDGE MATTAWA**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **OTTAWA RIVER**
TERM STREAM **MATTAWA RIVER**

STATION ID **18-6070-020-02**
STORET CODE **02**
**006**
**5570**

LAT LONG U T M **17 0676450.0 5131800.0 4** REGION **05** DISTANCE **0.161**

| TEST-NAME: | | | | | ASUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 03 30 1650 | | | 3 | 1 | | 0.540 | | 0.010< | 0.030< | | 0.070 | 0.020< |
| 80 07 12 1410 | | | 3 | 1 | 0.001< | 0.010 | 0.040 | 0.010 | 0.030< | 0.005< | 0.020 | 0.020< |
| 80 08 03 1800 | | | 3 | 1 | | 0.099 | | 0.009 | 0.006< | | 0.021 | 0.004< |
| 80 09 01 1400 | | | 3 | 1 | | 0.098 | | 0.003 | 0.003< | | 0.022 | 0.002< |
| 80 11 30 1235 | | | 3 | 1 | | 0.18 | | 0.002 | 0.003< | | 0.010 | 0.002< |
| **MAXIMUM** | | | | | **0.001** | **0.540** | **0.040** | **0.010** | **0.030** | **0.005** | **0.070** | **0.020** |
| **ARITH MEAN** | | | | | **0.001L** | **0.18** | **0.040** | **0.007L** | **0.014L** | **0.005L** | **0.029** | **0.010L** |
| **GEOM MEAN** | | | | | | **0.09** | | **0.006L** | **0.009L** | | **0.023** | **0.008L** |
| **MINIMUM** | | | | | **0.001<** | **0.010** | **0.040** | **0.002<** | **0.003<** | **0.005<** | **0.010** | **0.002<** |
| **STD DEV** | | | | | | **0.20** | | **0.004L** | **0.014L** | | **0.024** | **0.010L** |
| **NO OF SAMPLES** | | | | | **1** | **5** | **1** | **5** | **5** | **1** | **5** | **5** |

B O W / SITE **GIROUX LAKE**
SAMPLE POINT **AT OUTLET NEAR COBALT**
STATION TYPE **LAKE**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **OTTAWA RIVER**
TERM STREAM **MONTREAL RIVER**

STATION ID **18-6975-001-01**
STORET CODE **02**
**006**
**6450**

LAT LONG U T M **17 0599310.0 5245300.0 4** REGION **05** DISTANCE **106.697**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 26 1200 | | | 3 | 1 | 13003 | 4 | | | 0.032 | 0.009 | 0.142 | 0.450 | 0.003 | 0.087 |
| 80 04 28 1120 | | | 3 | 1 | 13023 | 3 | | | 0.036 | 0.012 | 0.052 | 0.290 | 0.005 | 0.205 |
| 80 05 29 1820 | | | 3 | 1 | 13043 | 3 | 17.0 | 9.0 | 0.042 | 0.017 | 0.092 | 0.460 | 0.002 | 0.008 |
| 80 07 01 1800 | | | 3 | 1 | 13064 | | 18.0 | 10.0 | 0.067 | 0.031 | 0.052 | 0.290 | 0.008 | 0.661 |
| 80 07 31 0855 | | | 3 | 1 | 13083 | | 20.0 | 5.0 | 0.037 | 0.200 | 0.071 | 0.720 | 0.012 | 0.018 |
| 80 08 19 1830 | | | 3 | 1 | 13103 | | 24.0 | 8.0 | 0.037 | 0.021 | 0.054 | 0.320 | 0.004 | 0.016 |
| 80 09 18 1225 | | | 3 | 1 | 13123 | | 11.0 | 7.0 | | 0.030 | 0.050 | 0.370 | 0.004 | 0.046 |
| 80 10 27 1500 | | | 3 | 1 | 13143 | | 2.0 | 9.0 | 0.048 | 0.026 | 0.042 | 0.320 | 0.001< | 0.035 |
| 80 11 16 1600 | | | 3 | 1 | 13163 | | 2.0 | 9.0 | 0.072 | 0.015 | 0.024 | 0.490 | 0.001< | 0.025 |
| 80 12 16 1100 | | | 3 | 1 | 13183 | | 0.0 | 7.0 | 0.052 | 0.018 | 0.020 | 0.550 | 0.001 | 0.019 |
| **MAXIMUM** | | | | | | | **24.0** | **10.0** | **0.072** | **0.200** | **0.142** | **0.720** | **0.012** | **0.661** |
| **ARITH MEAN** | | | | | | | **11.7** | **8.0** | **0.047** | **0.038** | **0.060** | **0.428** | **0.004L** | **0.112** |
| **GEOM MEAN** | | | | | | | **7.1** | **7.8** | **0.045** | **0.023** | **0.052** | **0.408** | **0.003L** | **0.043** |
| **MINIMUM** | | | | | | | **0.0** | **5.0** | **0.032** | **0.009** | **0.020** | **0.290** | **0.001<** | **0.008** |
| **STD DEV** | | | | | | | **9.4** | **1.6** | **0.014** | **0.057** | **0.038** | **0.138** | **0.004L** | **0.202** |
| **NO OF SAMPLES** | | | | | | | **8** | **8** | **9** | **10** | **10** | **10** | **10** | **10** |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 02 26 1200 | | | 3 | 1 | 0.232 | 0.308 | 0.540 | 218.0 | 0.7 | 217.000 | 334.0 | 0.53 | 7.150 | |
| 80 04 28 1120 | | | 3 | 1 | 0.262 | 0.238 | 0.500 | 114.0 | 3.0 | 111.000 | 170.0 | 3.70 | 3.250 | |
| 80 05 29 1820 | | | 3 | 1 | 0.102 | 0.368 | 0.470 | 178.00 | 2.00 | 176.000 | 270.0 | 1.20 | 5.900 | 7.95 |
| 80 07 01 1800 | | | 3 | 1 | 0.721 | 0.238 | 0.959 | 243.00 | 2.00 | 241.000 | 370.0 | 0.80 | 11.500 | 7.98 |
| 80 07 31 0855 | | | 3 | 1 | 0.101 | 0.649 | 0.750 | 184.00 | 2.00 | 182.000 | 280.0 | 0.70 | 6.250 | 7.36 |
| 80 08 19 1830 | | | 3 | 1 | 0.074 | 0.266 | 0.340 | 180.0 | 1.0 | 179.000 | 275.0 | 0.50 | 6.350 | 7.80 |
| 80 09 18 1225 | | | 3 | 1 | 0.100 | 0.320 | 0.420 | 180.0 | 1.0 | 179.000 | 275.0 | 0.60 | 6.050 | 7.67 |
| 80 10 27 1500 | | | 3 | 1 | 0.078 | 0.278 | 0.356 | 181.0 | 2.0 | 179.000 | 275.0 | 1.00 | 5.800 | |
| 80 11 16 1600 | | | 3 | 1 | 0.050 | 0.466 | 0.516 | 140.0 | 3.0 | 137.000 | 290.0 | 2.30 | 6.500 | 7.85 |
| 80 12 16 1100 | | | 3 | 1 | 0.040 | 0.530 | 0.570 | 191.0 | 3.0 | 189.000 | 290.0 | 3.20 | 6.550 | 7.94 |
| **MAXIMUM** | | | | | **0.721** | **0.649** | **0.959** | **243.00** | **3.0** | **241.000** | **370.0** | **3.70** | **11.500** | **7.98** |
| **ARITH MEAN** | | | | | **0.176** | **0.366** | **0.542** | **180.9** | **1.9** | **179.000** | **282.9** | **1.46** | **6.530** | **7.79** |
| **GEOM MEAN** | | | | | **0.118** | **0.346** | **0.517** | **177.4** | **1.7** | **175.433** | **278.2** | **1.11** | **6.267** | **7.79** |
| **MINIMUM** | | | | | **0.040** | **0.238** | **0.340** | **114.0** | **0.7** | **111.000** | **170.0** | **0.50** | **3.250** | **7.36** |
| **STD DEV** | | | | | **0.206** | **0.139** | **0.187** | **35.7** | **0.8** | **38.200** | **51.0** | **1.18** | **2.031** | **0.22** |
| **NO OF SAMPLES** | | | | | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **7** |

| TEST-NAME: | | | | | ASUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 02 26 1200 | | | 3 | 1 | | | 0.020< | 0.010 < | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020 < |
| 80 04 28 1120 | | | 3 | 1 | 0.150 | 0.200 | | 0.010 | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020 < |
| 80 05 29 1820 | | | 3 | 1 | 0.001< | 0.030 | | 0.010 < | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020 < |
| 80 07 01 1800 | | | 3 | 1 | 1.200 | 0.020< | | 0.010 < | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020 < |
| 80 07 31 0855 | | | 3 | 1 | 0.530 | 0.02 | | 0.002 < | 0.006< | 0.0005< | 0.002< | 0.007 | 0.007 |
| 80 08 19 1830 | | | 3 | 1 | 0.700 | 0.066 | | 0.001 < | 0.005< | 0.001 < | 0.003< | 0.003 | 0.002 < |
| 80 09 18 1225 | | | 3 | 1 | 0.45 | 0.003 | | 0.001 < | 0.003< | 0.0003 | 0.001 | 0.004 | 0.002 < |
| 80 10 27 1500 | | | 3 | 1 | 0.300 | 0.020 | | 0.001 | 0.005 | 0.0002< | 0.004 | 0.005 | 0.002 < |
| 80 11 16 1600 | | | 3 | 1 | 0.360 | 0.002< | | 0.0005< | 0.003< | 0.0002< | 0.002< | 0.005 | 0.0005< |
| 80 12 16 1100 | | | 3 | 1 | 0.410 | 0.020 | | 0.002 | 0.003< | 0.0002< | 0.001 | 0.005 | 0.0005< |
| **MAXIMUM** | | | | | **1.200** | **0.200** | **0.020** | **0.010** | **0.030** | **0.005** | **0.010** | **0.020** | **0.020** |
| **ARITH MEAN** | | | | | **0.45 L** | **0.04 L** | **0.020L** | **0.004 L** | **0.014L** | **0.002 L** | **0.005L** | **0.011L** | **0.009 L** |
| **GEOM MEAN** | | | | | **0.22 L** | **0.01 L** | | **0.002 L** | **0.009L** | **0.001 L** | **0.004L** | **0.008L** | **0.004 L** |
| **MINIMUM** | | | | | **0.001<** | **0.002<** | **0.020<** | **0.0005<** | **0.003<** | **0.0002<** | **0.001<** | **0.003<** | **0.0005<** |
| **STD DEV** | | | | | **0.34 L** | **0.06 L** | | **0.004 L** | **0.013L** | **0.002 L** | **0.004L** | **0.008L** | **0.009 L** |
| **NO OF SAMPLES** | | | | | **9** | **9** | **1** | **10** | **10** | **10** | **10** | **10** | **10** |

B O W / SITE **MONTREAL RIVER**
SAMPLE POINT **AT HIGHWAY 11 LATCHFORD**
STATION TYPE **RIVER**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **OTTAWA RIVER**
TERM STREAM **MONTREAL RIVER**

STATION ID **18-6975-003-02**
STORET CODE **02**
**006**
**6450**

LAT LONG U T M **17 0589950.0 5241400.0 4** REGION: **05** DISTANCE: **35.405**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 26 1120 | | | .3 | 1 | 13002 | | | | 0.006 | 0.001< | 0.014 | 0.320 | 0.002 | 0.073 |
| 80 04 28 1055 | | | .3 | 1 | 13022 | 3 | 0.0 | | 0.015 | 0.001< | 0.034 | 0.310 | 0.005 | 0.125 |
| 80 05 29 1745 | | | .3 | 1 | 13042 | | 15.0 | 11.0 | 0.011 | 0.002 | 0.024 | 0.300 | | |
| 80 07 01 1715 | | | .3 | 1 | 13062 | | 18.0 | 9.0 | 0.009 | 0.002 | 0.038 | 0.220 | 0.002 | 0.022 |
| 80 07 31 0815 | | | .3 | 1 | 13082 | | 21.0 | 9.0 | 0.010 | 0.002 | 0.040 | 0.250 | 0.002 | 0.008 |
| 80 08 19 1750 | | | .3 | 1 | 13102 | | 20.0 | 9.0 | 0.008 | 0.008 | 0.052 | 0.190 | 0.002 | 0.003 |
| 80 09 18 1145 | | | .3 | 1 | 13122 | | 11.0 | 7.0 | 0.007 | 0.001 | 0.024 | 0.250 | 0.001 | 0.019 |
| 80 10 27 1425 | | | .3 | 1 | 13142 | | 10.0 | 11.0 | 0.016 | 0.006 | 0.020 | 0.220 | 0.001 | 0.044 |
| 80 11 16 1525 | | | .3 | 1 | 13162 | | 3.0 | 12.0 | 0.016 | 0.007 | 0.024 | 0.260 | 0.001< | 0.045 |
| 80 12 16 1020 | | | .3 | 1 | 13182 | | 0.0 | 10.0 | 0.002 | 0.001 | 0.014 | 0.210 | 0.001 | 0.049 |
| MAXIMUM | | | | | | | 21.0 | 12.0 | 0.016 | 0.008 | 0.052 | 0.320 | 0.005 | 0.125 |
| ARITH MEAN | | | | | | | 10.9 | 9.7 | 0.010 | 0.003L | 0.028 | 0.253 | 0.002L | 0.043 |
| GEOM MEAN | | | | | | | 6.9 | 9.6 | 0.009 | 0.002L | 0.026 | 0.249 | 0.002L | 0.027 |
| MINIMUM | | | | | | | 0.0 | 7.0 | 0.002 | 0.001< | 0.014 | 0.190 | 0.001< | 0.003 |
| STD DEV | | | | | | | 8.3 | 1.6 | 0.005 | 0.003L | 0.012 | 0.045 | 0.001L | 0.038 |
| NO OF SAMPLES | | | | | | | 9 | 8 | 10 | 10 | 10 | 10 | 9 | 9 |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 02 26 1120 | | | .3 | 1 | 0.089 | 0.306 | 0.395 | 44.0 | 1.0 | 44.000 | 68.0 | 0.51 | 0.600 | |
| 80 04 28 1055 | | | .3 | 1 | 0.164 | 0.276 | 0.440 | 49.0 | 3.0 | 46.000 | 70.0 | 1.80 | 1.050 | |
| 80 05 29 1745 | | | .3 | 1 | | 0.276 | | 43.00 | 1.00 | 42.000 | 65.0 | 0.90 | 0.650 | 7.58 |
| 80 07 01 1715 | | | .3 | 1 | 0.062 | 0.182 | 0.244 | 47.00 | 1.00 | 46.000 | 70.0 | 0.95 | 0.700 | 7.71 |
| 80 07 31 0815 | | | .3 | 1 | 0.050 | 0.210 | 0.260 | 47.00 | 1.00 | 46.000 | 70.0 | 0.75 | 0.550 | 7.47 |
| 80 08 19 1750 | | | .3 | 1 | 0.057 | 0.138 | 0.195 | 42.0 | 4.0 | 42.000 | 65.0 | 0.85 | 0.700 | 7.64 |
| 80 09 18 1145 | | | .3 | 1 | 0.044 | 0.226 | 0.270 | 50.0 | 1.0 | 49.000 | 75.0 | 0.80 | 0.650 | 7.71 |
| 80 10 27 1425 | | | .3 | 1 | 0.065 | 0.200 | 0.265 | 48.0 | 2.0 | 46.000 | 70.0 | 1.00 | 0.600 | |
| 80 11 16 1525 | | | .3 | 1 | 0.070 | 0.236 | 0.306 | 49.0 | 3.0 | 46.000 | 70.0 | 1.10 | 0.600 | 7.38 |
| 80 12 16 1020 | | | .3 | 1 | 0.064 | 0.196 | 0.260 | 44.0 | 0.9 | 43.000 | 66.0 | 1.10 | 0.500 | 7.28 |
| MAXIMUM | | | | | 0.164 | 0.306 | 0.440 | 50.0 | 4.0 | 49.000 | 75.0 | 1.80 | 1.050 | 7.71 |
| ARITH MEAN | | | | | 0.074 | 0.225 | 0.293 | 46.3 | 1.7 | 45.000 | 68.9 | 0.98 | 0.660 | 7.54 |
| GEOM MEAN | | | | | 0.068 | 0.219 | 0.285 | 46.2 | 1.5 | 44.951 | 68.8 | 0.93 | 0.647 | 7.54 |
| MINIMUM | | | | | 0.044 | 0.138 | 0.195 | 42.0 | 0.9 | 42.000 | 65.0 | 0.51 | 0.500 | 7.28 |
| STD DEV | | | | | 0.036 | 0.051 | 0.077 | 2.8 | 1.1 | 2.211 | 3.0 | 0.34 | 0.151 | 0.17 |
| NO OF SAMPLES | | | | | 9 | 10 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 7 |

| TEST-NAME: | | | | | ASUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 02 26 1120 | | | .3 | 1 | | | 0.020< | 0.010 < | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020 < |
| 80 04 28 1055 | | | .3 | 1 | 0.002 | 0.150 | | 0.010 < | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020 < |
| 80 05 29 1745 | | | .3 | 1 | 0.085 | 0.020< | | 0.010 < | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020 < |
| 80 07 01 1715 | | | .3 | 1 | 0.001 | 0.020< | | 0.010 < | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020 < |
| 80 07 31 0815 | | | .3 | 1 | 0.001 | 0.03 | | 0.002 < | 0.006< | 0.0005< | 0.002< | 0.002< | 0.006 |
| 80 08 19 1750 | | | .3 | 1 | 0.002 | 0.073 | | 0.001 < | 0.005< | 0.002 < | 0.003< | 0.002< | 0.002 < |
| 80 09 18 1145 | | | .3 | 1 | 0.001< | 0.040 | | 0.001 < | 0.003< | 0.0002< | 0.001< | 0.002< | 0.002 < |
| 80 10 27 1425 | | | .3 | 1 | 0.020 | 0.070 | | 0.001 < | 0.005 | 0.0002< | 0.003 | 0.002< | 0.002 < |
| 80 11 16 1525 | | | .3 | 1 | 0.001< | 0.026 | | 0.0005< | 0.003< | 0.0002< | 0.002< | 0.003< | 0.0005< |
| 80 12 16 1020 | | | .3 | 1 | 0.001 | 0.055 | | 0.002 | 0.003< | 0.0002< | 0.003 | 0.001 | 0.0005< |
| MAXIMUM | | | | | 0.085 | 0.150 | 0.020 | 0.010 | 0.030 | 0.005 | 0.010 | 0.020 | 0.020 |
| ARITH MEAN | | | | | 0.013L | 0.05 L | 0.020L | 0.004 L | 0.014L | 0.002 L | 0.005L | 0.009L | 0.009 L |
| GEOM MEAN | | | | | 0.003L | 0.04 L | | 0.002 L | 0.009L | 0.001 L | 0.004L | 0.005L | 0.004 L |
| MINIMUM | | | | | 0.001< | 0.020< | 0.020< | 0.0005< | 0.003< | 0.0002< | 0.001< | 0.001< | 0.0005< |
| STD DEV | | | | | 0.028L | 0.04 L | | 0.004 L | 0.013L | 0.002 L | 0.004L | 0.009L | 0.009 L |
| NO OF SAMPLES | | | | | 9 | 9 | 1 | 10 | 10 | 10 | 10 | 10 | 10 |

B O W / SITE **GIROUX LAKE**
SAMPLE POINT **AT GLEN LAKE OUTLET**
STATION TYPE **LAKE**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **OTTAWA RIVER**
TERM STREAM **MONTREAL RIVER**

STATION ID **18-6975-004-01**
STORET CODE **02**
**006**
**6450**

LAT: LONG: U T M: **17 0600450.0 5246900.0 4** REGION: **05** DISTANCE: **108.950**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 26 1215 | | | .3 | 1 | 13004 | 4 | | | 0.033 | 0.009 | 0.450 | 0.730 | 0.015 | 1.300 |
| 80 04 28 1125 | | | .3 | 1 | 13024 | 3 | | | 0.070 | 0.030 | 0.114 | 0.375 | 0.012 | 0.528 |
| 80 05 29 1835 | | | .3 | 1 | 13044 | | 19.0 | 9.0 | 0.089 | 0.036 | 0.054 | 0.350 | 0.007 | 0.823 |
| 80 07 01 1745 | | | .3 | 1 | 13063 | | 16.0 | 6.0 | 0.042 | 0.038 | 0.062 | 0.340 | 0.013 | 0.016 |
| 80 07 31 0910 | | | .3 | 1 | 13084 | | 19.0 | 8.0 | 0.041 | 0.027 | 0.032 | 0.280 | 0.018 | 0.512 |
| 80 08 19 1840 | | | .3 | 1 | 13104 | | 23.0 | 10.0 | 0.051 | 0.033 | 0.040 | 0.260 | 0.005 | 0.385 |
| 80 09 18 1235 | | | .3 | 1 | 13124 | | 11.0 | 8.0 | | 0.083 | 0.056 | 0.370 | 0.039 | 1.510 |
| 80 10 27 1510 | | | .3 | 1 | 13144 | | 3.0 | 10.0 | 0.170 | 0.074 | 0.146 | 0.430 | 0.024 | 1.580 |
| 80 11 16 1610 | | | .3 | 1 | 13164 | | 2.0 | 11.0 | 0.062 | 0.039 | 0.318 | 0.520 | 0.020 | 1.730 |
| 80 12 16 1115 | | | .3 | 1 | 13184 | 4 | 0.0 | 7.0 | 0.111 | 0.052 | 0.500 | 0.700 | 0.019 | 1.480 |
| MAXIMUM | | | | | | | 23.0 | 11.0 | 0.170 | 0.083 | 0.500 | 0.730 | 0.039 | 1.730 |
| ARITH MEAN | | | | | | | 11.6 | 8.6 | 0.074 | 0.042 | 0.177 | 0.436 | 0.017 | 0.986 |
| GEOM MEAN | | | | | | | 7.4 | 8.5 | 0.065 | 0.036 | 0.111 | 0.411 | 0.015 | 0.636 |
| MINIMUM | | | | | | | 0.0 | 6.0 | 0.033 | 0.009 | 0.032 | 0.260 | 0.005 | 0.016 |
| STD DEV | | | | | | | 8.9 | 1.7 | 0.044 | 0.022 | 0.178 | 0.164 | 0.010 | 0.604 |
| NO OF SAMPLES | | | | | | | 8 | 8 | 9 | 10 | 10 | 10 | 10 | 10 |

(CONTD)

B O W / SITE **GIROUX LAKE**
SAMPLE POINT **AT GLEN LAKE OUTLET**
STATION TYPE **LAKE**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **OTTAWA RIVER**
TERM STREAM **MONTREAL RIVER**

STATION ID **18-6975-004-01**
STORET CODE **02**
**006**
**6450**

LAT
LONG
U T M **17 0600450.0 5246900.0 4**
REGION **05**
DISTANCE **108.950**

| TEST-NAME: | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 02 26 1215 | | .3 | 1 | 1.765 | 0.280 | 2.045 | 267.0 | 1.0 | | 441.0 | 2.00 | 20.000 | |
| 80 04 28 1125 | | .3 | 1 | 0.654 | 0.261 | 0.915 | 192.0 | 29.0 | 163.000 | 250.0 | 37.00 | 8.000 | |
| 80 05 29 1835 | | .3 | 1 | 0.884 | 0.296 | 1.180 | 235.00 | 4.00 | 231.000 | 355.0 | 2.50 | 10.000 | 8.15 |
| 80 07 01 1745 | | .3 | 1 | 0.091 | 0.278 | 0.369 | 183.00 | 1.00 | 182.000 | 280.0 | 0.75 | 6.250 | 7.68 |
| 80 07 31 0910 | | .3 | 1 | 0.562 | 0.248 | 0.810 | 230.00 | 2.00 | 228.000 | 350.0 | 0.55 | 11.500 | 7.65 |
| 80 08 19 1840 | | .3 | 1 | 0.430 | 0.220 | 0.650 | 221.0 | 3.0 | 218.000 | 335.0 | 0.60 | 11.500 | 7.87 |
| 80 09 18 1235 | | .3 | 1 | 1.605 | 0.314 | 1.919 | 250.0 | 3.0 | 247.000 | 380.0 | 1.10 | 12.500 | 7.99 |
| 80 10 27 1510 | | .3 | 1 | 1.750 | 0.284 | 2.034 | 242.0 | 5.0 | 237.000 | 365.0 | 3.30 | 12.000 | |
| 80 11 16 1610 | | .3 | 1 | 2.068 | 0.202 | 2.270 | 260.0 | 3.0 | 257.000 | 395.0 | 4.10 | 12.500 | 8.17 |
| 80 12 16 1115 | | .3 | 1 | 1.999 | 0.200 | 2.199 | 263.0 | 3.0 | 260.000 | 400.0 | 4.30 | 13.500 | 7.90 |
| MAXIMUM | | | | **2.068** | **0.314** | **2.270** | **267.0** | **29.0** | **260.000** | **441.0** | **37.00** | **20.000** | **8.17** |
| ARITH MEAN | | | | **1.181** | **0.258** | **1.439** | **234.3** | **5.4** | **224.778** | **355.1** | **5.62** | **11.775** | **7.92** |
| GEOM MEAN | | | | **0.874** | **0.255** | **1.237** | **232.6** | **3.1** | **222.423** | **350.7** | **2.22** | **11.284** | **7.91** |
| MINIMUM | | | | **0.091** | **0.200** | **0.369** | **183.00** | **1.0** | **163.000** | **250.0** | **0.55** | **6.250** | **7.65** |
| STD DEV | | | | **0.730** | **0.040** | **0.725** | **28.8** | **8.3** | **32.908** | **56.6** | **11.12** | **3.649** | **0.21** |
| NO OF SAMPLES | | | | **10** | **10** | **10** | **10** | **10** | **9** | **10** | **10** | **10** | **7** |

| TEST-NAME: | | | | ASUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 02 26 1215 | | .3 | 1 | | | 0.020< | 0.010 < | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020< |
| 80 04 28 1125 | | .3 | 1 | 0.550 | 2.300 | | 0.020 | 0.030< | 0.005 < | 0.010 | 0.020< | 0.030 |
| 80 05 29 1835 | | .3 | 1 | 0.210 | 0.160 | | 0.030 | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020< |
| 80 07 01 1745 | | .3 | 1 | 0.450 | 0.080 | | 0.010 < | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020< |
| 80 07 31 0910 | | .3 | 1 | 1.300 | 0.04 | | 0.002 | 0.006< | 0.0005< | 0.002< | 0.002< | 0.005 |
| 80 08 19 1840 | | .3 | 1 | 1.200 | 0.098 | | 0.001 < | 0.005< | 0.002 < | 0.003< | 0.005 | 0.002< |
| 80 09 18 1235 | | .3 | 1 | 1.2 | 0.054 | | 0.002 | 0.003< | 0.0002< | 0.001 | 0.007 | 0.002< |
| 80 10 27 1510 | | .3 | 1 | 0.680 | 0.170 | | 0.003 | 0.003 | 0.0002< | 0.006 | 0.009 | 0.002< |
| 80 11 16 1610 | | .3 | 1 | 0.470 | 0.002< | | 0.0005< | 0.003< | 0.0002< | 0.007 | 0.018 | 0.010 |
| 80 12 16 1115 | | .3 | 1 | 0.600 | 0.170 | | 0.003 | 0.003< | 0.0002< | 0.006 | 0.024 | 0.010 |
| MAXIMUM | | | | **1.300** | **2.300** | **0.020** | **0.030** | **0.030** | **0.005** | **0.010** | **0.024** | **0.030** |
| ARITH MEAN | | | | **0.7** | **0.34 L** | **0.020L** | **0.008 L** | **0.014L** | **0.002 L** | **0.006L** | **0.014L** | **0.012L** |
| GEOM MEAN | | | | **0.6** | **0.08 L** | | **0.004 L** | **0.008L** | **0.001 L** | **0.005L** | **0.012L** | **0.008L** |
| MINIMUM | | | | **0.210** | **0.002<** | **0.020<** | **0.0005<** | **0.003<** | **0.0002<** | **0.001<** | **0.002<** | **0.002<** |
| STD DEV | | | | **0.3** | **0.73 L** | | **0.009 L** | **0.014L** | **0.002 L** | **0.004L** | **0.008L** | **0.010L** |
| NO OF SAMPLES | | | | **9** | **9** | **1** | **10** | **10** | **10** | **10** | **10** | **10** |

B O W / SITE **FARR CREEK**
SAMPLE POINT **DOWNSTREAM FROM CROSSWISE LAKE**
STATION TYPE **RIVER FLOW GAUGE FED 02JE018**

MAJOR BASIN **GREAT LAKES**
MINOR BASIN **OTTAWA RIVER**
TERM STREAM **FARR CREEK**

STATION ID **18-7370-001-02**
STORET CODE **02**
**006**
**6870**

LAT
LONG
U T M **17 0603100.0 5253100.0 4**
REGION **05**
DISTANCE **5.472**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 02 26 1230 | | .3 | 1 | 13007 | 4 | 0.145 | | | 0.328 | 0.180 | 1.210 | 2.440 | 0.019 |
| 80 04 28 1145 | | .3 | 1 | 13027 | 3 | 6.070 | | | 0.105 | 0.024 | 0.118 | 0.475 | 0.013 |
| 80 05 29 1900 | | .3 | 1 | 13047 | | 0.439 | 19.0 | 15.0 | 0.172 | 0.078 | 0.074 | 0.570 | 0.042 |
| 80 07 01 1825 | | .3 | 1 | 13067 | | 0.099 | 19.0 | 11.0 | 0.326 | 0.220 | 0.054 | 0.840 | 0.465 |
| 80 07 31 0930 | | .3 | 1 | 13087 | | 0.142 | 18.0 | 9.0 | 0.315 | 0.270 | 0.010 | 0.530 | 0.081 |
| 80 08 19 1905 | | .3 | 1 | 13107 | | 0.108 | 24.0 | 7.0 | 0.192 | 0.156 | 0.176 | 0.790 | 0.175 |
| 80 09 18 1300 | | .3 | 1 | 13127 | | 0.166 | 11.0 | 11.0 | 0.630 | 0.320 | 0.016 | 2.820 | 0.002 |
| 80 10 27 1535 | | .3 | 1 | 13147 | | 0.930 | 1.0 | 11.0 | 0.168 | 0.070 | 0.060 | 0.550 | 0.130 |
| 80 11 16 1630 | | .3 | 1 | 13167 | | 0.535 | 0.0 | 11.0 | 0.130 | 0.075 | 0.218 | 0.660 | 0.015 |
| MAXIMUM | | | | | | **6.070** | **24.0** | **15.0** | **0.630** | **0.320** | **1.210** | **2.820** | **0.465** |
| ARITH MEAN | | | | | | **0.959** | **13.1** | **10.7** | **0.263** | **0.155** | **0.216** | **1.075** | **0.105** |
| GEOM MEAN | | | | | | **0.332** | **7.8** | **10.5** | **0.227** | **0.120** | **0.084** | **0.853** | **0.040** |
| MINIMUM | | | | | | **0.099** | **0.0** | **7.0** | **0.105** | **0.024** | **0.010** | **0.475** | **0.002** |
| STD DEV | | | | | | **1.936** | **9.4** | **2.4** | **0.162** | **0.101** | **0.380** | **0.895** | **0.148** |
| NO OF SAMPLES | | | | | | **9** | **7** | **7** | **9** | **9** | **9** | **9** | **9** |

| TEST-NAME: | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 02 26 1230 | | .3 | 1 | 0.366 | 1.595 | 1.230 | 2.825 | 251.0 | 6.0 | 245.000 | 377.0 | 3.00 | 24.500 |
| 80 04 28 1145 | | .3 | 1 | 0.157 | 0.288 | 0.357 | 0.645 | 167.0 | 68.0 | 107.000 | 165.0 | 30.00 | 4.700 |
| 80 05 29 1900 | | .3 | 1 | 0.093 | 0.209 | 0.496 | 0.705 | 180.00 | 21.00 | 159.000 | 245.0 | 4.30 | 11.000 |
| 80 07 01 1825 | | .3 | 1 | 4.900 | 5.419 | 0.786 | 6.205 | 280.00 | 7.00 | 273.000 | 420.0 | 2.50 | 3.350 |
| 80 07 31 0930 | | .3 | 1 | 0.699 | 0.790 | 0.520 | 1.310 | 272.00 | 5.00 | 267.000 | 410.0 | 2.00 | 26.000 |
| 80 08 19 1905 | | .3 | 1 | 0.370 | 0.721 | 0.614 | 1.335 | 255.0 | 1.0 | 254.000 | 390.0 | 2.20 | 33.000 |
| 80 09 18 1300 | | .3 | 1 | 3.400 | 3.418 | 2.804 | 6.222 | 363.0 | 12.0 | | 550.0 | 4.00 | 31.000 |
| 80 10 27 1535 | | .3 | 1 | 0.245 | 0.435 | 0.490 | 0.925 | 218.0 | 7.0 | 211.000 | 325.0 | 5.00 | 17.000 |
| 80 11 16 1630 | | .3 | 1 | 0.200 | 0.433 | 0.442 | 0.875 | 193.0 | 8.0 | 185.000 | 285.0 | 3.50 | 14.500 |
| MAXIMUM | | | | **4.900** | **5.419** | **2.804** | **6.222** | **363.0** | **68.0** | **273.000** | **550.0** | **30.00** | **33.000** |
| ARITH MEAN | | | | **1.159** | **1.479** | **0.880** | **2.339** | **242.1** | **15.0** | **212.625** | **351.9** | **6.28** | **18.339** |
| GEOM MEAN | | | | **0.470** | **0.832** | **0.686** | **1.604** | **235.6** | **8.3** | **204.110** | **334.3** | **4.06** | **14.471** |
| MINIMUM | | | | **0.093** | **0.209** | **0.357** | **0.645** | **167.0** | **1.0** | **107.000** | **165.0** | **2.00** | **3.350** |
| STD DEV | | | | **1.746** | **1.788** | **0.774** | **2.292** | **60.9** | **20.6** | **58.749** | **112.3** | **8.86** | **10.914** |
| NO OF SAMPLES | | | | **9** | **9** | **9** | **9** | **9** | **9** | **8** | **9** | **9** | **9** |

| | | | TEST-NAME: | PH | ASUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PH | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 02 26 1230 | | .3 | 1 | | | | 0.020< | 0.020 | 0.030< | 0.005< | 0.030 | 0.060 | 0.070 |
| 80 04 28 1145 | | .3 | 1 | | 0.410 | 3.500 | | 0.050 | 0.040 | | 0.030 | 0.050 | 0.070 |
| 80 05 29 1900 | | .3 | 1 | 9.08 | 0.150 | 0.460 | | 0.020 | 0.030< | | 0.010< | 0.030 | 0.050 |
| 80 07 01 1825 | | .3 | 1 | 8.72 | 1.200 | 0.160 | | 0.010< | 0.050 | | 0.010< | 0.070 | |
| 80 07 31 0930 | | .3 | 1 | 7.58 | 1.2 | 0.35 | | 0.010 | 0.006< | | 0.064 | 0.030 | 0.06 |
| 80 08 19 1905 | | .3 | 1 | 9.16 | 0.950 | 0.160 | | 0.013 | 0.003< | | 0.004 | 0.044 | 0.049 |
| 80 09 18 1300 | | .3 | 1 | 7.19 | 2.8 | 0.48 | | 0.016 | 0.020 | | 0.024 | 0.069 | 0.13 |
| 80 10 27 1535 | | .3 | 1 | | 0.720 | 0.200 | | 0.014 | 0.005 | | 0.011 | 0.039 | 0.056 |
| 80 11 16 1630 | | 3 | 1 | 7.96 | 0.300 | 0.240 | | 0.017 | 0.008 | | 0.011 | 0.022 | 0.029 |
| MAXIMUM | | | | 9.16 | 2.8 | 3.500 | 0.020 | 0.050 | 0.050 | 0.005 | 0.064 | 0.070 | 0.13 |
| ARITH MEAN | | | | 8.28 | 0.9 | 0.69 | 0.020L | 0.019L | 0.021L | 0.005L | 0.022L | 0.046 | 0.06 |
| GEOM MEAN | | | | 8.25 | 0.6 | 0.36 | | 0.017L | 0.014L | | 0.016L | 0.043 | 0.05 |
| MINIMUM | | | | 7.19 | 0.150 | 0.160 | 0.020< | 0.010< | 0.003< | 0.005< | 0.004< | 0.022 | 0.029 |
| STD DEV | | | | 0.82 | 0.8 | 1.14 | | 0.012L | 0.017L | | 0.019L | 0.018 | 0.03 |
| NO OF SAMPLES | | | | 6 | 8 | 8 | 1 | 9 | 9 | 1 | 9 | 9 | 8 |

B.O.W / SITE: **COBALT LAKE**
SAMPLE POINT: **AT OUTLET, COBALT**
STATION TYPE: **LAKE**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **FARR CREEK**

STATION ID: **18-7370-002-01**
STORET CODE: **02**
**006**
**6870**

LAT: LONG: U T M: **17 0599350.0 5249650.0 4** REGION: **05** DISTANCE: **9.495**

| | | | TEST-NAME: | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 26 1220 | | .3 | 1 | 13005 | 4 | | | 0.497 | 0.076 | 0.118 | 0.750 | 0.008 | 0.197 |
| 80 04 28 1135 | | .3 | 1 | 13025 | 3 | | | 0.078 | 0.033 | 0.026 | 0.180 | 0.004 | 0.181 |
| 80 05 29 1845 | | .3 | 1 | 13045 | | 18.0 | 10.0 | 0.075 | 0.043 | 0.050 | 0.330 | 0.001 | 0.005< |
| 80 07 01 1810 | | .3 | 1 | 13065 | | 18.0 | 9.0 | 0.107 | 0.043 | 0.074 | 0.320 | 0.007 | 0.003 |
| 80 07 31 0920 | | .3 | 1 | 13085 | | 21.0 | 8.0 | 0.119 | 0.074 | 0.048 | 0.250 | 0.001 | 0.005< |
| 80 08 19 1850 | | .3 | 1 | 13105 | | 23.0 | 11.0 | 0.136 | 0.090 | 0.056 | 0.230 | 0.002 | 0.018 |
| 80 09 18 1250 | | .3 | 1 | 13125 | | 14.0 | 9.0 | 0.235 | 0.100 | 0.058 | 0.320 | 0.006 | 0.044 |
| 80 10 27 1525 | | .3 | 1 | 13145 | | 2.0 | 10.0 | 0.387 | 0.220 | 0.018 | 0.240 | 0.001 | 0.009 |
| 80 11 16 1620 | | .3 | 1 | 13165 | | 2.0 | 10.0 | 0.168 | 0.078 | 0.018 | 0.270 | 0.001< | 0.005< |
| MAXIMUM | | | | | | 23.0 | 11.0 | 0.497 | 0.220 | 0.118 | 0.750 | 0.008 | 0.197 |
| ARITH MEAN | | | | | | 14.0 | 9.6 | 0.200 | 0.084 | 0.052 | 0.321 | 0.003L | 0.052L |
| GEOM MEAN | | | | | | 9.8 | 9.5 | 0.162 | 0.072 | 0.044 | 0.295 | 0.002L | 0.017L |
| MINIMUM | | | | | | 2.0 | 8.0 | 0.075 | 0.033 | 0.018 | 0.180 | 0.001< | 0.003< |
| STD DEV | | | | | | 8.7 | 1.0 | 0.148 | 0.056 | 0.031 | 0.188 | 0.003L | 0.079L |
| NO OF SAMPLES | | | | | | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 9 |

| | | | TEST-NAME: | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 02 26 1220 | | .3 | 1 | 0.323 | 0.632 | 0.955 | 656.0 | 381.0 | 275.0 | 431.0 | 50.00 | 30.500 | |
| 80 04 28 1135 | | .3 | 1 | 0.211 | 0.154 | 0.365 | 172.0 | 3.0 | 169.000 | 260.0 | 2.30 | 12.500 | |
| 80 05 29 1845 | | .3 | 1 | 0.056 | 0.280 | 0.336 | 237.0 | 3.0 | 234.000 | 360.0 | 1.40 | 26.500 | 8.44 |
| 80 07 01 1810 | | .3 | 1 | 0.084 | 0.246 | 0.330 | 247.00 | 3.00 | 244.000 | 375.0 | 1.10 | 28.500 | 8.43 |
| 80 07 31 0920 | | .3 | 1 | 0.054 | 0.202 | 0.256 | 246.00 | 2.00 | 244.000 | 375.0 | 1.20 | 29.500 | 8.37 |
| 80 08 19 1850 | | .3 | 1 | 0.076 | 0.174 | 0.250 | 242.0 | 1.0 | 241.000 | 370.0 | 2.20 | 30.000 | 8.41 |
| 80 09 18 1250 | | .3 | 1 | 0.108 | 0.262 | 0.370 | 253.0 | 6.0 | 247.0 | 380.0 | 2.50 | 30.500 | 8.34 |
| 80 10 27 1525 | | .3 | 1 | 0.028 | 0.222 | 0.250 | 261.0 | 4.0 | 257.000 | 395.0 | 1.80 | 32.000 | |
| 80 11 16 1620 | | .3 | 1 | 0.024 | 0.252 | 0.276 | 266.00 | 3.00 | 263.000 | 405.0 | 1.00 | 33.000 | 8.32 |
| MAXIMUM | | | | 0.323 | 0.632 | 0.955 | 656.0 | 381.0 | 275.0 | 431.0 | 50.00 | 33.000 | 8.44 |
| ARITH MEAN | | | | 0.107 | 0.269 | 0.376 | 286.6 | 45.1 | 241.5 | 372.3 | 7.06 | 28.111 | 8.38 |
| GEOM MEAN | | | | 0.077 | 0.247 | 0.341 | 267.0 | 4.8 | 239.6 | 369.2 | 2.34 | 27.221 | 8.38 |
| MINIMUM | | | | 0.024 | 0.154 | 0.250 | 172.0 | 1.0 | 169.000 | 260.0 | 1.00 | 12.500 | 8.32 |
| STD DEV | | | | 0.098 | 0.142 | 0.222 | 141.1 | 125.9 | 29.9 | 47.3 | 16.11 | 6.148 | 0.05 |
| NO OF SAMPLES | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 |

| | | | TEST-NAME: | ASUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 02 26 1220 | | .3 | 1 | | | 0.030 | 0.100 | 0.030 | 0.005< | 0.080 | 0.270 | 0.290 |
| 80 04 28 1135 | | .3 | 1 | 0.700 | 0.030 | | 0.030 | 0.030< | | 0.020 | 0.030 | 0.060 |
| 80 05 29 1845 | | .3 | 1 | 0.095 | 0.070 | | 0.010 < | 0.030< | | 0.010< | 0.020< | 0.060 |
| 80 07 01 1810 | | .3 | 1 | 1.300 | 0.080 | | 0.010 < | 0.030< | | 0.010< | 0.020< | |
| 80 07 31 0920 | | .3 | 1 | 1.6 | 0.08 | | 0.006 | 0.006< | | 0.002< | 0.020 | 0.02 < |
| 80 08 19 1850 | | .3 | 1 | 1.400 | 0.048 | | 0.003 | 0.003< | | 0.001< | 0.020 | 0.007 |
| 80 09 18 1250 | | .3 | 1 | 1.8 | 0.17 | | 0.006 | 0.004 | | 0.003 | 0.026 | 0.02 |
| 80 10 27 1525 | | .3 | 1 | 0.950 | 0.070 | | 0.004 | 0.003< | | 0.003 | 0.024 | 0.022 |
| 80 11 16 1620 | | .3 | 1 | 0.880 | 0.002< | | 0.0005< | 0.003< | | 0.003 | 0.030 | 0.032 |
| MAXIMUM | | | | 1.8 | 0.17 | 0.030 | 0.100 | 0.030 | 0.005 | 0.080 | 0.270 | 0.290 |
| ARITH MEAN | | | | 1.0 | 0.06 L | 0.030 | 0.018 L | 0.015L | 0.005L | 0.015L | 0.051L | 0.06 L |
| GEOM MEAN | | | | 0.8 | 0.04 L | | 0.007 L | 0.009L | | 0.006L | 0.031L | 0.03 L |
| MINIMUM | | | | 0.095 | 0.002< | 0.030 | 0.0005< | 0.003< | 0.005< | 0.001< | 0.020< | 0.007< |
| STD DEV | | | | 0.5 | 0.04 L | | 0.031 L | 0.014L | | 0.025L | 0.082L | 0.09 L |
| NO OF SAMPLES | | | | 8 | 8 | 1 | 9 | 9 | 1 | 9 | 9 | 8 |

B.O.W./ SITE: **SASAGINAGA LAKE**
SAMPLE POINT: **NEAR COBALT**
STATION TYPE: **LAKE**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **FARR CREEK**

STATION ID: **18-7370-003-01**
STORET CODE: **02**
**006**
**6870**

LAT: LONG: U T M: **17 0598350.0 5250300.0 4** REGION: **05** DISTANCE: **10.460**

| | | | TEST-NAME: | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 26 1145 | | | .3 | 1 | 13006 | 4 | | | 0.009 | 0.001 | 0.014 | 0.270 | 0.001 | 0.059 |
| 80 04 28 1105 | | | .3 | 1 | 13026 | | | | 0.006 | 0.001< | 0.080 | 0.160 | 0.002 | 0.103 |
| 80 05 29 1805 | | | .3 | 1 | 13046 | | 14.0 | 12.0 | 0.010 | 0.002 | 0.026 | 0.300 | 0.001 | 0.005< |
| 80 07 01 1730 | | | .3 | 1 | 13066 | | 18.0 | 10.0 | 0.007 | 0.005 | 0.052 | 0.300 | 0.003 | 0.007 |
| 80 07 31 0835 | | | .3 | 1 | 13086 | | 22.0 | 10.0 | 0.010 | 0.001 | 0.022 | 0.290 | 0.001 | 0.005< |
| 80 08 19 1810 | | | .3 | 1 | 13106 | | 24.0 | 9.0 | 0.005 | 0.003 | 0.034 | 0.280 | 0.001 | 0.005< |
| 80 09 18 1205 | | | .3 | 1 | 13126 | | 11.0 | 9.0 | 0.012 | 0.006 | 0.046 | 0.330 | 0.002 | 0.048 |
| 80 10 27 1440 | | | .3 | 1 | 13146 | | 3.0 | 10.0 | 0.018 | 0.005 | 0.024 | 0.240 | 0.001< | 0.020 |
| 80 11 16 1540 | | | .3 | 1 | 13166 | 4 | 0.0 | 8.0 | 0.030 | 0.004 | 0.024 | 0.370 | 0.001< | 0.020 |
| MAXIMUM | | | | | | | 24.0 | 12.0 | 0.030 | 0.006 | 0.080 | 0.370 | 0.003 | 0.103 |
| ARITH MEAN | | | | | | | 13.1 | 9.7 | 0.012 | 0.003L | 0.036 | 0.282 | 0.001L | 0.030L |
| GEOM MEAN | | | | | | | 8.9 | 9.6 | 0.010 | 0.002L | 0.031 | 0.276 | 0.001L | 0.017L |
| MINIMUM | | | | | | | 0.0 | 8.0 | 0.005 | 0.001< | 0.014 | 0.160 | 0.001< | 0.005< |
| STD DEV | | | | | | | 9.1 | 1.3 | 0.008 | 0.002L | 0.021 | 0.059 | 0.001L | 0.034L |
| NO OF SAMPLES | | | | | | | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 9 |

| | | | TEST-NAME: | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 02 26 1145 | | | .3 | 1 | 0.074 | 0.256 | 0.330 | 108.0 | 0.7 | 107.000 | 165.0 | 0.76 | 6.500 | |
| 80 04 28 1105 | | | .3 | 1 | 0.185 | 0.080 | 0.265 | 14.0 | 2.0 | 12.000 | 18.0 | 0.65 | 0.350 | |
| 80 05 29 1805 | | | .3 | 1 | 0.032 | 0.274 | 0.306 | 93.0 | 2.0 | 91.000 | 140.0 | 7.60 | 5.200 | 8.21 |
| 80 07 01 1730 | | | .3 | 1 | 0.062 | 0.248 | 0.310 | 95.00 | 1.00 | 94.000 | 145.0 | 0.75 | 5.700 | 8.01 |
| 80 07 31 0835 | | | .3 | 1 | 0.028 | 0.268 | 0.296 | 92.00 | 1.00 | 91.000 | 140.0 | 0.50 | 5.800 | 8.06 |
| 80 08 19 1810 | | | .3 | 1 | 0.040 | 0.246 | 0.286 | 95.0 | 1.0 | 94.000 | 145.0 | 0.43 | 5.700 | 8.22 |
| 80 09 18 1205 | | | .3 | 1 | 0.096 | 0.284 | 0.380 | 99.0 | 6.0 | 98.000 | 150.0 | 0.60 | 5.600 | 7.80 |
| 80 10 27 1440 | | | .3 | 1 | 0.045 | 0.216 | 0.261 | 96.0 | 2.0 | 94.000 | 145.0 | 0.65 | 5.800 | |
| 80 11 16 1540 | | | .3 | 1 | 0.045 | 0.346 | 0.391 | 103.0 | 7.0 | 96.000 | 147.0 | 1.50 | 6.000 | 7.72 |
| MAXIMUM | | | | | 0.185 | 0.346 | 0.391 | 108.0 | 7.0 | 107.000 | 165.0 | 7.60 | 6.500 | 8.22 |
| ARITH MEAN | | | | | 0.067 | 0.246 | 0.314 | 88.3 | 2.5 | 88.333 | 132.8 | 1.49 | 5.183 | 8.00 |
| GEOM MEAN | | | | | 0.057 | 0.232 | 0.311 | 78.5 | 1.8 | 75.849 | 116.4 | 0.89 | 4.231 | 8.00 |
| MINIMUM | | | | | 0.028 | 0.080 | 0.261 | 14.0 | 0.7 | 12.000 | 18.0 | 0.43 | 0.350 | 7.72 |
| STD DEV | | | | | 0.049 | 0.072 | 0.046 | 28.3 | 2.3 | 28.289 | 43.7 | 2.31 | 1.845 | 0.21 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 |

| | | | TEST-NAME: | | ASUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 02 26 1145 | | | .3 | 1 | | | 0.020< | 0.010 < | 0.030< | 0.005< | 0.010< | 0.020< | 0.020 < |
| 80 04 28 1105 | | | .3 | 1 | 0.004 | 0.020< | | 0.010 | 0.030< | | 0.010< | 0.020< | 0.020 < |
| 80 05 29 1805 | | | .3 | 1 | 0.002 | 0.020< | | 0.010 < | 0.030< | | 0.010< | 0.020< | 0.020 < |
| 80 07 01 1730 | | | .3 | 1 | 0.002 | 0.040 | | 0.010 < | 0.030< | | 0.010< | 0.040 | |
| 80 07 31 0835 | | | .3 | 1 | 0.003 | 0.04 | | 0.002 < | 0.006< | | 0.002< | 0.004< | 0.02 < |
| 80 08 19 1810 | | | .3 | 1 | 0.004 | 0.021 | | 0.001 < | 0.003< | | 0.001< | 0.002< | 0.002 |
| 80 09 18 1205 | | | .3 | 1 | 0.005 | 0.005 | | 0.001 < | 0.003< | | 0.001< | 0.004 | 0.002 < |
| 80 10 27 1440 | | | .3 | 1 | 0.004 | 0.020 | | 0.002 | 0.003 | | 0.002 | 0.004 | 0.002 < |
| 80 11 16 1540 | | | .3 | 1 | 0.003 | 0.002< | | 0.0005< | 0.003< | | 0.018 | 0.003< | 0.0006 |
| MAXIMUM | | | | | 0.005 | 0.04 | 0.020 | 0.010 | 0.030 | 0.005 | 0.018 | 0.040 | 0.02 |
| ARITH MEAN | | | | | 0.003 | 0.02 L | 0.020L | 0.005 L | 0.015L | 0.005L | 0.007L | 0.013L | 0.01 L |
| GEOM MEAN | | | | | 0.003 | 0.01 L | | 0.003 L | 0.009L | | 0.004L | 0.008L | 0.00 L |
| MINIMUM | | | | | 0.002 | 0.002< | 0.020< | 0.0005< | 0.003< | 0.005< | 0.001< | 0.002< | 0.0006< |
| STD DEV | | | | | 0.001 | 0.01 L | | 0.004 L | 0.014L | | 0.006L | 0.013L | 0.00 L |
| NO OF SAMPLES | | | | | 8 | 8 | 1 | 9 | 9 | 1 | 9 | 9 | 8 |

B.O.W./ SITE: **WABI CREEK**
SAMPLE POINT: **HIGHWAY 11 BYPASS NEAR NEW LISKEARD**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **WABI CREEK**

STATION ID: **18-7450-001-02**
STORET CODE: **02**
**006**
**6970**

LAT: LONG: U T M: **17 0598800.0 5263650.0 4** REGION: **05** DISTANCE: **0.644**

| | | | TEST-NAME: | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 02 26 1045 | | | .3 | 1 | 13008 | 4 | | | 0.073 | 0.037 | 0.106 | 0.380 | 0.012 | 0.173 |
| 80 04 28 1030 | | | .3 | 1 | 13028 | 3 | | | 0.225 | 0.052 | 0.106 | 0.825 | 0.029 | 0.256 |
| 80 05 29 1715 | | | .3 | 1 | 13048 | | 12.0 | 11.0 | 0.101 | 0.054 | 0.092 | 0.540 | 0.018 | 0.077 |
| 80 07 01 1655 | | | .3 | 1 | 13068 | | 19.0 | 11.0 | 0.110 | 0.079 | 0.372 | 0.680 | 0.013 | 0.005< |
| 80 07 31 0745 | | | .3 | 1 | 13088 | | 20.0 | 7.0 | 0.150 | 0.108 | 0.104 | 0.450 | 0.028 | 0.052 |
| 80 08 19 1720 | | | .3 | 1 | 13108 | | 24.0 | 12.0 | 0.088 | 0.052 | 0.328 | 0.730 | 0.023 | 0.032 |
| 80 09 18 1120 | | | .3 | 1 | 13128 | | 11.0 | 9.0 | 0.138 | 0.087 | 0.018 | 0.650 | 0.019 | 0.201 |
| 80 10 27 1400 | | | .3 | 1 | 13148 | | 1.0 | 12.0 | 0.160 | 0.070 | 0.052 | 0.550 | 0.041 | 0.440 |
| 80 11 16 1500 | | | .3 | 1 | 13168 | 4 | 1.0 | 10.0 | 0.054 | 0.023 | 0.010 | 0.440 | 0.005 | 0.055 |
| 80 12 16 0950 | | | .3 | 1 | 13188 | 4 | 0.0 | 15.0 | 0.035 | 0.018 | 0.008 | 0.380 | 0.004 | 0.171 |
| MAXIMUM | | | | | | | 24.0 | 15.0 | 0.225 | 0.108 | 0.372 | 0.825 | 0.041 | 0.440 |
| ARITH MEAN | | | | | | | 11.0 | 10.9 | 0.113 | 0.058 | 0.120 | 0.562 | 0.019 | 0.146L |
| GEOM MEAN | | | | | | | 5.8 | 10.6 | 0.100 | 0.051 | 0.063 | 0.544 | 0.016 | 0.087L |
| MINIMUM | | | | | | | 0.0 | 7.0 | 0.035 | 0.018 | 0.008 | 0.380 | 0.004 | 0.005< |
| STD DEV | | | | | | | 9.5 | 2.4 | 0.066 | 0.028 | 0.128 | 0.164 | 0.011 | 0.132L |
| NO OF SAMPLES | | | | | | | 8 | 8 | 10 | 10 | 10 | 10 | 10 | 10 |

| | | | | TEST-NAME: | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 02 26 1045 | | | .3 | 1 | 0.291 | 0.274 | 0.565 | 191.0 | 24.0 | 167.000 | 257.0 | 37.00 | 3.900 | |
| 80 04 28 1030 | | | .3 | 1 | 0.391 | 0.719 | 1.110 | 281.0 | 161.0 | 120.000 | 185.0 | 120.00 | 0.950 | |
| 80 05 29 1715 | | | .3 | 1 | 0.187 | 0.448 | 0.635 | 167.00 | 30.00 | 137.000 | 210.0 | 48.00 | 5.600 | 8.14 |
| 80 07 01 1655 | | | .3 | 1 | 0.390 | 0.308 | 0.698 | 3.00 | 11.90 | 94.000 | 145.0 | 16.00 | 4.100 | 7.75 |
| 80 07 31 0745 | | | .3 | 1 | 0.184 | 0.346 | 0.530 | 116.00 | 12.00 | 104.000 | 160.0 | 12.00 | 5.200 | 7.81 |
| 80 08 19 1720 | | | .3 | 1 | 0.383 | 0.402 | 0.785 | 114.0 | 23.0 | 91.000 | 140.0 | 2.60 | 5.450 | 7.84 |
| 80 09 18 1120 | | | .3 | 1 | 0.238 | 0.632 | 0.870 | 201.0 | 35.0 | 166.000 | 255.0 | 48.00 | 8.250 | 7.96 |
| 80 10 27 1400 | | | .3 | 1 | 0.533 | 0.498 | 1.031 | 273.0 | 52.0 | 221.000 | 340.0 | 75.00 | 11.500 | |
| 80 11 16 1500 | | | .3 | 1 | 0.070 | 0.430 | 0.500 | 138.0 | 14.0 | 124.000 | 190.0 | 1.40 | 3.850 | 7.81 |
| 80 12 16 0950 | | | .3 | 1 | 0.183 | 0.372 | 0.555 | 49.0 | 3.0 | 46.000 | 70.0 | 8.60 | 1.850 | 7.06 |
| MAXIMUM | | | | | 0.533 | 0.719 | 1.110 | 281.0 | 161.0 | 221.000 | 340.0 | 120.00 | 11.500 | 8.14 |
| ARITH MEAN | | | | | 0.285 | 0.443 | 0.728 | 153.3 | 36.5 | 127.000 | 196.2 | 36.86 | 5.065 | 7.77 |
| GEOM MEAN | | | | | 0.260 | 0.425 | 0.701 | 102.8 | 22.2 | 117.720 | 180.8 | 18.47 | 4.180 | 7.76 |
| MINIMUM | | | | | 0.070 | 0.274 | 0.500 | 3.00 | 3.0 | 46.000 | 70.0 | 1.40 | 0.950 | 7.06 |
| STD DEV | | | | | 0.138 | 0.141 | 0.216 | 88.9 | 45.9 | 48.978 | 75.4 | 37.86 | 3.038 | 0.34 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 7 |

| | | | | TEST-NAME: | ASUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 02 26 1045 | | | .3 | 1 | | | 0.020< | 0.010< | 0.030< | 0.005< | 0.020 | 0.020< | 0.020< |
| 80 04 28 1030 | | | .3 | 1 | 0.004 | 11.000 | | 0.020 | 0.030< | | 0.020 | 0.020 | |
| 80 05 29 1715 | | | .3 | 1 | 0.002 | 3.400 | | 0.010< | 0.030< | | 0.010< | 0.020< | |
| 80 07 01 1655 | | | .3 | 1 | 0.001 | 1.400 | | 0.010< | 0.030< | | 0.010< | 0.020< | |
| 80 07 31 0745 | | | .3 | 1 | 0.002 | 0.98 | | 0.002 | 0.006< | | 0.004 | 0.004< | |
| 80 08 19 1720 | | | .3 | 1 | 0.002 | 1.300 | | 0.005 | 0.003< | | 0.009 | 0.003 | |
| 80 09 18 1120 | | | .3 | 1 | 0.001 | 2.5 | | 0.003 | 0.003< | | 0.007 | 0.006 | |
| 80 10 27 1400 | | | .3 | 1 | 0.002 | 3.000 | | 0.003 | 0.003< | | 0.008 | 0.006 | |
| 80 12 16 0950 | | | .3 | 1 | 0.001< | 0.590 | | 0.008 | 0.003 | | 0.022 | 0.004 | |
| MAXIMUM | | | | | 0.004 | 11.000 | 0.020 | 0.020 | 0.030 | 0.005 | 0.022 | 0.020 | 0.020 |
| ARITH MEAN | | | | | 0.002L | 3.0 | 0.020L | 0.008L | 0.015L | 0.005L | 0.012L | 0.011L | 0.020L |
| GEOM MEAN | | | | | 0.002L | 2.0 | | 0.006L | 0.009L | | 0.011L | 0.009L | |
| MINIMUM | | | | | 0.001< | 0.590 | 0.020< | 0.002< | 0.003< | 0.005< | 0.004< | 0.003< | 0.020< |
| STD DEV | | | | | 0.001L | 3.3 | | 0.006L | 0.014L | | 0.007L | 0.008L | |
| NO OF SAMPLES | | | | | 8 | 8 | 1 | 9 | 9 | 1 | 9 | 9 | 1 |

B.O.W / SITE: **LARDER LAKE**
SAMPLE POINT: **PUBLIC BEACH, LARDER LAKE**
STATION TYPE: **LAKE**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **BLANCHE RIVER**

STATION ID: **18-7710-003-01**
STORET CODE: **02**
**006**
**7230**

LAT
LONG:
U T M: **17 0595700.0 5327375.0 4**
REGION: **05**
DISTANCE: **82.074**

| | | | | TEST-NAME: | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 04 28 2000 | | | .3 | 1 | 13029 | 4 | | | 0.010 | 0.001< | 0.044 | 0.140 | 0.003 | 0.162 |
| 80 05 30 0830 | | | .3 | 1 | 13049 | | 13.0 | 10.0 | 0.016 | 0.003 | 0.020 | 0.370 | 0.003 | 0.477 |
| 80 07 01 1405 | | | .3 | 1 | 13069 | | 17.0 | 9.0 | 0.024 | 0.014 | 0.112 | 0.330 | 0.018 | 0.407 |
| 80 07 31 1645 | | | .3 | 1 | 13089 | | 22.0 | 10.0 | 0.013 | 0.003 | 0.061 | 0.420 | 0.004 | 0.391 |
| 80 08 22 1030 | | | .3 | 1 | 13109 | | 21.0 | 8.0 | 0.026 | 0.015 | 0.176 | 0.490 | 0.009 | 0.351 |
| 80 09 18 1720 | | | .3 | 1 | 13129 | | 14.0 | 9.0 | 0.010 | 0.006 | 0.068 | 0.360 | 0.001 | 0.400 |
| 80 10 28 1145 | | | .3 | 1 | 13149 | | 3.0 | 11.0 | 0.020 | 0.005 | 0.038 | 0.280 | 0.002 | 0.448 |
| 80 11 15 1515 | | | .3 | 1 | 13169 | | 2.0 | 11.0 | 0.011 | 0.004 | 0.024 | 0.300 | 0.001 | 0.459 |
| 80 12 15 1140 | | | .3 | 1 | 13189 | 4 | 0.0 | 9.0 | 0.089 | 0.042 | 0.022 | 0.300 | 0.003 | 0.487 |
| MAXIMUM | | | | | | | 22.0 | 11.0 | 0.089 | 0.042 | 0.176 | 0.490 | 0.018 | 0.487 |
| ARITH MEAN | | | | | | | 11.5 | 9.6 | 0.024 | 0.010L | 0.063 | 0.332 | 0.005 | 0.398 |
| GEOM MEAN | | | | | | | 7.4 | 9.6 | 0.019 | 0.006L | 0.048 | 0.317 | 0.003 | 0.382 |
| MINIMUM | | | | | | | 0.0 | 8.0 | 0.010 | 0.001< | 0.020 | 0.140 | 0.001 | 0.162 |
| STD DEV | | | | | | | 8.7 | 1.1 | 0.025 | 0.013L | 0.052 | 0.066 | 0.005 | 0.099 |
| NO OF SAMPLES | | | | | | | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |

| | | | | TEST-NAME: | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 04 28 2000 | | | .3 | 1 | 0.209 | 0.096 | 0.305 | 16.0 | 1.0 | 15.000 | 23.0 | 1.70 | 0.950 | |
| 80 05 30 0830 | | | .3 | 1 | 0.500 | 0.350 | 0.850 | 94.00 | 3.00 | 91.000 | 140.0 | 2.30 | 3.900 | 7.97 |
| 80 07 01 1405 | | | .3 | 1 | 0.537 | 0.218 | 0.755 | 101.00 | 7.00 | 94.000 | 145.0 | 4.00 | 4.350 | 7.71 |
| 80 07 31 1645 | | | .3 | 1 | 0.456 | 0.359 | 0.815 | 97.00 | 3.00 | 94.000 | 145.0 | 1.70 | 4.550 | 8.17 |
| 80 08 22 1030 | | | .3 | 1 | 0.536 | 0.314 | 0.850 | 107.0 | 6.0 | 101.000 | 155.0 | 3.40 | 4.500 | 7.68 |
| 80 09 18 1720 | | | .3 | 1 | 0.469 | 0.292 | 0.761 | 96.0 | 2.0 | 94.000 | 145.0 | 1.30 | 4.350 | 8.00 |
| 80 10 28 1145 | | | .3 | 1 | 0.488 | 0.242 | 0.730 | 101.0 | 3.0 | 98.000 | 150.0 | 1.70 | 5.650 | 7.10 |
| 80 11 15 1515 | | | .3 | 1 | 0.484 | 0.276 | 0.760 | 95.0 | 1.0 | 94.000 | 144.0 | 0.63 | 4.250 | 7.87 |
| 80 12 15 1140 | | | .3 | 1 | 0.512 | 0.278 | 0.790 | 106.0 | 2.0 | 104.000 | 160.0 | 1.40 | 4.800 | 7.42 |
| MAXIMUM | | | | | 0.537 | 0.359 | 0.850 | 107.0 | 7.00 | 104.000 | 160.0 | 4.00 | 5.650 | 8.17 |
| ARITH MEAN | | | | | 0.466 | 0.289 | 0.735 | 90.3 | 3.1 | 87.222 | 134.1 | 2.01 | 4.144 | 7.74 |
| GEOM MEAN | | | | | 0.451 | 0.254 | 0.709 | 81.2 | 2.5 | 78.227 | 120.3 | 1.78 | 3.801 | 7.73 |
| MINIMUM | | | | | 0.209 | 0.096 | 0.305 | 16.0 | 1.0 | 15.000 | 23.0 | 0.63 | 0.950 | 7.10 |
| STD DEV | | | | | 0.100 | 0.080 | 0.167 | 28.2 | 2.0 | 27.390 | 42.1 | 1.06 | 1.292 | 0.35 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |

B.O.W./ SITE: **BLANCHE RIVER**
SAMPLE POINT: **HIGHWAY 112, 8 MILES SOUTH OF SWASTIKA**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **BLANCHE RIVER**

STATION ID: **18-7710-004-02**
STORET CODE: **02**
**006**
**7230**

LAT LONG: U T M: **17 0573250.0 5315950.0 4** REGION: **05** DISTANCE: **85.776**

| | | | TEST-NAME: | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 04 28 2115 | | | .3 | 1 | 13030 | 3 | | | 0.052 | 0.013 | 0.032 | 0.520 | 0.015 | 0.255 |
| 80 05 30 1000 | | | .3 | 1 | 13050 | | 10.0 | 11.0 | 0.133 | 0.028 | 0.290 | 0.990 | 0.011 | 0.119 |
| 80 07 01 1515 | | | .3 | 1 | 13070 | | 18.0 | 0.8 | 0.040 | 0.016 | 0.036 | 0.440 | 0.089 | 0.088 |
| 80 07 31 1510 | | | .3 | 1 | 13090 | | 22.0 | 7.0 | 0.042 | 0.015 | 0.006 | 0.620 | 0.003 | 0.282 |
| 80 08 22 1200 | | | .3 | 1 | 13110 | | 21.0 | 8.0 | 0.036 | 0.018 | 0.088 | 0.490 | 0.031 | 0.039 |
| 80 09 18 1850 | | | .3 | 1 | 13130 | | 11.0 | 10.0 | 0.030 | 0.021 | 0.094 | 0.500 | 0.015 | 0.035 |
| 80 10 28 1420 | | | .3 | 1 | 13150 | | 1.0 | 10.0 | 0.048 | 0.009 | 0.016 | 0.580 | 0.005 | 0.245 |
| 80 11 15 1820 | | | .3 | 1 | 13170 | | 0.0 | 9.0 | 0.040 | 0.021 | 0.014 | 0.490 | 0.001 | 0.224 |
| 80 12 15 1340 | | | .3 | 1 | 13190 | 4 | 0.0 | | 0.072 | 0.041 | 0.024 | 0.480 | 0.004 | 0.251 |
| | | | MAXIMUM | | | | 22.0 | 11.0 | 0.133 | 0.041 | 0.290 | 0.990 | 0.089 | 0.282 |
| | | | ARITH MEAN | | | | 10.4 | 8.0 | 0.055 | 0.020 | 0.067 | 0.568 | 0.019 | 0.171 |
| | | | GEOM MEAN | | | | 5.6 | 6.4 | 0.049 | 0.019 | 0.035 | 0.551 | 0.009 | 0.134 |
| | | | MINIMUM | | | | 0.0 | 0.8 | 0.030 | 0.009 | 0.006 | 0.440 | 0.001 | 0.035 |
| | | | STD DEV | | | | 9.3 | 3.4 | 0.032 | 0.009 | 0.089 | 0.167 | 0.028 | 0.100 |
| | | | NO OF SAMPLES | | | | 8 | 7 | 9 | 9 | 9 | 9 | 9 | 9 |

| | | | TEST-NAME: | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 04 28 2115 | | | .3 | 1 | 0.302 | 0.488 | 0.790 | 88.0 | 23.0 | 65.000 | 100.0 | 6.40 | 4.400 | |
| 80 05 30 1000 | | | .3 | 1 | 0.420 | 0.700 | 1.120 | 97.00 | 16.00 | 81.000 | 125.0 | 3.00 | 5.000 | 7.31 |
| 80 07 01 1515 | | | .3 | 1 | 0.213 | 0.404 | 0.617 | 100.00 | 15.00 | 85.000 | 130.0 | 3.30 | 6.050 | 7.54 |
| 80 07 31 1510 | | | .3 | 1 | 0.291 | 0.614 | 0.905 | 99.00 | 5.00 | 94.000 | 145.0 | 1.60 | 5.450 | 7.27 |
| 80 08 22 1200 | | | .3 | 1 | 0.158 | 0.402 | 0.560 | 103.0 | 5.0 | 98.000 | 150.0 | 4.30 | 4.650 | 7.54 |
| 80 09 18 1850 | | | .3 | 1 | 0.144 | 0.406 | 0.550 | 111.0 | 4.0 | 107.000 | 165.0 | 4.00 | 6.400 | 7.89 |
| 80 10 28 1420 | | | .3 | 1 | 0.266 | 0.564 | 0.830 | 82.0 | 7.0 | 75.000 | 115.0 | 4.40 | 3.750 | 7.19 |
| 80 11 15 1820 | | | .3 | 1 | 0.239 | 0.476 | 0.715 | 89.0 | 4.0 | 85.000 | 130.0 | 2.10 | 5.450 | 7.47 |
| 80 12 15 1340 | | | .3 | 1 | 0.279 | 0.456 | 0.735 | 97.0 | 3.0 | 94.000 | 145.0 | 2.70 | 6.900 | 7.33 |
| | | | MAXIMUM | | 0.420 | 0.700 | 1.120 | 111.0 | 23.0 | 107.000 | 165.0 | 6.40 | 6.900 | 7.89 |
| | | | ARITH MEAN | | 0.257 | 0.501 | 0.758 | 96.2 | 9.1 | 87.111 | 133.9 | 3.53 | 5.339 | 7.44 |
| | | | GEOM MEAN | | 0.245 | 0.492 | 0.740 | 95.8 | 7.1 | 86.257 | 132.6 | 3.28 | 5.253 | 7.44 |
| | | | MINIMUM | | 0.144 | 0.402 | 0.550 | 82.0 | 3.0 | 65.000 | 100.0 | 1.60 | 3.750 | 7.19 |
| | | | STD DEV | | 0.083 | 0.105 | 0.182 | 8.7 | 7.1 | 12.703 | 19.6 | 1.44 | 1.006 | 0.22 |
| | | | NO OF SAMPLES | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |

B.O.W./ SITE: **BLANCHE RIVER**
SAMPLE POINT: **AT BRIDGE ON ROSEGROVE BEACH ROAD**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **BLANCHE RIVER**

STATION ID: **18-7710-009-02**
STORET CODE: **02**
**006**
**7230**

LAT LONG U T M: **17 0569375.0 5319725.0 4** REGION: **05** DISTANCE: **96.719**

| | | | TEST-NAME: | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 04 28 2045 | | | .3 | 1 | 13032 | 3 | | | 0.031 | 0.005 | 0.036 | 0.410 | 0.008 | 0.152 |
| 80 05 30 0940 | | | .3 | 1 | 13052 | | 18.0 | 10.0 | 0.097 | 0.021 | 0.090 | 0.670 | 0.014 | 0.106 |
| 80 07 01 1500 | | | .3 | 1 | 13072 | | 18.0 | 10.0 | 0.110 | 0.069 | 0.022 | 0.400 | 0.038 | 0.249 |
| 80 07 31 1530 | | | .3 | 1 | 13092 | | 24.0 | 9.0 | 0.168 | 0.112 | 0.123 | 0.650 | 0.028 | 0.162 |
| 80 08 22 1145 | | | .3 | 1 | 13112 | | 22.0 | 13.0 | 0.120 | 0.074 | 0.058 | 0.500 | 0.007 | 0.063 |
| 80 09 18 1835 | | | .3 | 1 | 13132 | | 11.0 | 10.0 | 0.560 | 0.500 | 1.490 | 2.850 | 0.021 | 0.259 |
| 80 10 28 1410 | | | .3 | 1 | 13152 | | 5.0 | 12.0 | 0.070 | 0.027 | 0.074 | 0.520 | 0.028 | 0.242 |
| 80 11 15 1800 | | | .3 | 1 | 13172 | 4 | 0.0 | 14.0 | 0.068 | 0.043 | 0.110 | 0.690 | 0.007 | 0.218 |
| | | | MAXIMUM | | | | 24.0 | 14.0 | 0.560 | 0.500 | 1.490 | 2.850 | 0.038 | 0.259 |
| | | | ARITH MEAN | | | | 14.0 | 11.1 | 0.153 | 0.106 | 0.250 | 0.836 | 0.019 | 0.181 |
| | | | GEOM MEAN | | | | 9.9 | 11.0 | 0.107 | 0.049 | 0.094 | 0.661 | 0.016 | 0.165 |
| | | | MINIMUM | | | | 0.0 | 9.0 | 0.031 | 0.005 | 0.022 | 0.400 | 0.007 | 0.063 |
| | | | STD DEV | | | | 9.0 | 1.9 | 0.169 | 0.163 | 0.502 | 0.821 | 0.012 | 0.072 |
| | | | NO OF SAMPLES | | | | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 |

| | | | TEST-NAME: | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 04 28 2045 | | | .3 | 1 | 0.196 | 0.374 | 0.570 | 79.0 | 14.0 | 65.000 | 100.0 | 7.80 | 3.600 | |
| 80 05 30 0940 | | | .3 | 1 | 0.210 | 0.580 | 0.790 | 134.00 | 62.00 | 72.000 | 110.0 | 25.00 | 4.450 | 7.58 |
| 80 07 01 1500 | | | .3 | 1 | 0.309 | 0.378 | 0.687 | 118.00 | 27.00 | 91.000 | 140.0 | 13.00 | 7.050 | 7.37 |
| 80 07 31 1530 | | | .3 | 1 | 0.313 | 0.527 | 0.840 | 129.00 | 15.00 | 114.000 | 175.0 | 7.20 | 9.800 | 7.44 |
| 80 08 22 1145 | | | .3 | 1 | 0.128 | 0.442 | 0.570 | 128.0 | 11.0 | 117.000 | 180.0 | 9.30 | 10.500 | 7.95 |
| 80 09 18 1835 | | | .3 | 1 | 1.770 | 1.360 | 3.130 | 163.0 | 13.0 | 150.000 | 230.0 | 5.30 | 14.500 | 7.11 |
| 80 10 28 1410 | | | .3 | 1 | 0.344 | 0.446 | 0.790 | 122.0 | 8.0 | 114.000 | 175.0 | 6.50 | 10.500 | 7.51 |
| 80 11 15 1800 | | | .3 | 1 | 0.335 | 0.580 | 0.915 | 100.0 | 6.0 | 94.000 | 144.0 | 4.10 | 6.450 | 7.39 |
| | | | MAXIMUM | | 1.770 | 1.360 | 3.130 | 163.0 | 62.00 | 150.000 | 230.0 | 25.00 | 14.500 | 7.95 |
| | | | ARITH MEAN | | 0.451 | 0.588 | 1.036 | 121.6 | 19.5 | 102.125 | 156.7 | 9.77 | 8.356 | 7.48 |
| | | | GEOM MEAN | | 0.318 | 0.535 | 0.872 | 119.2 | 14.8 | 98.870 | 151.7 | 8.37 | 7.624 | 7.47 |
| | | | MINIMUM | | 0.128 | 0.374 | 0.570 | 79.0 | 6.0 | 65.000 | 100.0 | 4.10 | 3.600 | 7.11 |
| | | | STD DEV | | 0.539 | 0.323 | 0.856 | 24.6 | 18.2 | 27.441 | 42.1 | 6.72 | 3.630 | 0.28 |
| | | | NO OF SAMPLES | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 |

B.O.W./ SITE: **AMIKOUGAMI CREEK**
SAMPLE POINT: **AT HIGHWAY NO. 66**
STATION TYPE: **RIVER**

MAJOR BASIN: **GREAT LAKES**
MINOR BASIN: **OTTAWA RIVER**
TERM STREAM: **BLANCHE RIVER**

STATION ID: **18-7710-010-02**
STORET CODE: **02**
**006**
**7230**

LAT: LONG: U T M: **17 0567775.0 5329700.0 4** REGION: **05** DISTANCE: **104.605**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 04 28 2020 | | | .3 | 1 | 13031 | 3 | | | 0.024 | 0.001< | 0.064 | 0.600 | 0.011 | 0.164 |
| 80 05 30 0915 | | | .3 | 1 | 13051 | | 15.0 | 8.0 | 0.028 | 0.005 | 0.088 | 0.690 | 0.035 | 0.205 |
| 80 07 01 1440 | | | .3 | 1 | 13071 | | 18.0 | 7.0 | 0.023 | 0.004 | 0.012 | 0.400 | 0.041 | 0.198 |
| 80 07 31 1552 | | | .3 | 1 | 13091 | | 23.0 | 8.0 | 0.038 | 0.004 | 0.050 | 0.570 | 0.024 | 0.011 |
| 80 08 22 1125 | | | .3 | 1 | 13111 | | 21.0 | 8.0 | 0.028 | 0.007 | 0.086 | 0.610 | 0.013 | 0.187 |
| 80 09 18 1815 | | | .3 | 1 | 13131 | | 11.0 | 8.0 | 0.020 | 0.003 | 0.096 | 0.750 | 0.034 | 0.721 |
| 80 10 28 1345 | | | .3 | 1 | 13151 | | 3.0 | 11.0 | 0.028 | 0.004 | 0.082 | 0.450 | 0.016 | 0.149 |
| 80 11 15 1730 | | | .3 | 1 | 13171 | | 1.0 | 10.0 | 0.016 | 0.002 | 0.056 | 0.480 | 0.011 | 0.209 |
| 80 12 15 1310 | | | .3 | 1 | 13191 | 4 | 0.0 | | 0.030 | 0.019 | 0.114 | 0.580 | 0.020 | 0.175 |
| MAXIMUM | | | | | | | 23.0 | 11.0 | 0.038 | 0.019 | 0.114 | 0.750 | 0.041 | 0.721 |
| ARITH MEAN | | | | | | | 11.5 | 8.6 | 0.026 | 0.005L | 0.072 | 0.570 | 0.023 | 0.224 |
| GEOM MEAN | | | | | | | 6.7 | 8.5 | 0.025 | 0.004L | 0.063 | 0.560 | 0.020 | 0.156 |
| MINIMUM | | | | | | | 0.0 | 7.0 | 0.016 | 0.001< | 0.012 | 0.400 | 0.011 | 0.011 |
| STD DEV | | | | | | | 9.2 | 1.4 | 0.006 | 0.005L | 0.030 | 0.112 | 0.011 | 0.196 |
| NO OF SAMPLES | | | | | | | 8 | 7 | 9 | 9 | 9 | 9 | 9 | 9 |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | PH |
| 80 04 28 2020 | | | .3 | 1 | 0.239 | 0.536 | 0.775 | 89.0 | 8.0 | 81.000 | 125.0 | 4.30 | 4.150 | |
| 80 05 30 0915 | | | .3 | 1 | 0.328 | 0.602 | 0.930 | 118.00 | 7.00 | 111.000 | 170.0 | 3.00 | 11.000 | 7.62 |
| 80 07 01 1440 | | | .3 | 1 | 0.251 | 0.388 | 0.639 | 124.00 | 4.00 | 120.000 | 185.0 | 2.10 | 10.500 | 7.47 |
| 80 07 31 1552 | | | .3 | 1 | 0.085 | 0.520 | 0.605 | 118.00 | 17.00 | 101.000 | 155.0 | 5.60 | 6.550 | 7.41 |
| 80 08 22 1125 | | | .3 | 1 | 0.286 | 0.524 | 0.810 | 202.0 | 13.0 | 189.000 | 290.0 | 6.60 | 19.500 | 7.63 |
| 80 09 18 1815 | | | .3 | 1 | 0.851 | 0.654 | 1.505 | 351.0 | 4.0 | | 550.0 | 1.80 | 48.500 | 7.76 |
| 80 10 28 1345 | | | .3 | 1 | 0.247 | 0.368 | 0.615 | 110.0 | 3.0 | 107.000 | 165.0 | 2.00 | 8.500 | 7.44 |
| 80 11 15 1730 | | | .3 | 1 | 0.276 | 0.424 | 0.700 | 128.0 | 124.0 | 4.000 | 190.0 | 1.50 | 7.950 | 7.73 |
| 80 12 15 1310 | | | .3 | 1 | 0.309 | 0.466 | 0.775 | 135.0 | 2.0 | 133.000 | 205.0 | 2.30 | 10.000 | 7.47 |
| MAXIMUM | | | | | 0.851 | 0.654 | 1.505 | 351.0 | 124.0 | 189.000 | 550.0 | 6.60 | 48.500 | 7.76 |
| ARITH MEAN | | | | | 0.319 | 0.498 | 0.817 | 152.7 | 20.2 | 105.750 | 226.1 | 3.24 | 14.072 | 7.57 |
| GEOM MEAN | | | | | 0.274 | 0.490 | 0.785 | 140.0 | 8.0 | 76.495 | 204.5 | 2.85 | 10.804 | 7.57 |
| MINIMUM | | | | | 0.085 | 0.368 | 0.605 | 89.0 | 2.0 | 4.000 | 125.0 | 1.50 | 4.150 | 7.41 |
| STD DEV | | | | | 0.211 | 0.096 | 0.279 | 80.4 | 39.2 | 51.953 | 129.7 | 1.83 | 13.588 | 0.14 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 8 |

| TEST-NAME: | | | | | ASUT | ALUT | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 04 28 2020 | | | .3 | 1 | 0.004 | 0.430 | 0.030 | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020 < |
| 80 05 30 0915 | | | .3 | 1 | 0.001< | 0.290 | 0.010 | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020 < |
| 80 07 01 1440 | | | .3 | 1 | 0.001 | 0.100 | 0.010 | 0.030< | 0.005 < | 0.010< | 0.020< | 0.020 < |
| 80 07 31 1552 | | | .3 | 1 | 0.001 | 0.18 | 0.009 | 0.005< | 0.0005< | 0.002< | 0.004< | 0.004 < |
| 80 08 22 1125 | | | .3 | 1 | 0.002 | 0.340 | 0.019 | 0.003< | 0.010 | 0.004 | 0.004 | 0.002 < |
| 80 09 18 1815 | | | .3 | 1 | 0.001 | 0.010 | 0.035 | 0.003< | 0.0002< | 0.001< | 0.008 | 0.002 < |
| 80 10 28 1345 | | | .3 | 1 | 0.002 | 0.130 | 0.024 | 0.003< | 0.0002< | 0.006 | 0.004 | 0.002 < |
| 80 11 15 1730 | | | .3 | 1 | 0.002 | 0.490 | 0.033 | 0.010 | 0.0002< | 0.011 | 0.004 | 0.0005< |
| 80 12 15 1310 | | | .3 | 1 | 0.001< | 0.150 | 0.040 | 0.004 | 0.0007 | 0.013 | 0.007 | 0.0005< |
| MAXIMUM | | | | | 0.004 | 0.490 | 0.040 | 0.030 | 0.010 | 0.013 | 0.020 | 0.020 |
| ARITH MEAN | | | | | 0.002L | 0.23 | 0.023 | 0.013L | 0.003 L | 0.007L | 0.010L | 0.007 L |
| GEOM MEAN | | | | | 0.001L | 0.16 | 0.020 | 0.008L | 0.001 L | 0.006L | 0.008L | 0.003 L |
| MINIMUM | | | | | 0.001< | 0.010 | 0.009 | 0.003< | 0.0002< | 0.001< | 0.004< | 0.0005< |
| STD DEV | | | | | 0.001L | 0.16 | 0.012 | 0.013L | 0.003 L | 0.004L | 0.008L | 0.009 L |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

B.O.W / SITE: **WINNIPEG RIVER**
SAMPLE POINT: **AT FIRST CPR BR.WEST OF MAIN ST.KENORA**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE**
MINOR BASIN: **LAKE WINNIPEG EAST WINNIPEG**

STATION ID: **19-0001-001-02**
STORET CODE: **05**
**001**

LAT: LONG: U T M: **15 0392025.0 5513975.0 4** REGION: **06** DISTANCE: **94.949**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 08 1000 | | | .3 | 1 | 11200 | 6 | | | | | 0.0 | 11.3 | 0.2 | 0.023 |
| 80 02 04 1000 | | | .3 | 1 | 11202 | 6 | 900C | 60000 | 48 | 4 | 0.0 | 11.0 | 0.6 | 0.019 |
| 80 03 03 1130 | | | .3 | 1 | 11204 | 6 | 120 | 100 | 12 | 8 | 0.5 | 10.5 | 0.6 | 0.035 |
| 80 04 08 1400 | | | .3 | 1 | 11206 | 6 | 90I | 310 | 24 | 8 | 2.0 | 10.0 | 0.4 | 0.032 |
| 80 05 05 1000 | | | .3 | 1 | 11208 | 6 | 1100 | 1500 | 220 | 16 | 11.0 | 12.0 | 0.8 | 0.035 |
| 80 06 02 1015 | | | .3 | 1 | 11210 | 5 | 20000C | 10000000> | 30C | 8 | 18.0 | 10.0 | 0.2 | 0.025 |
| 80 07 02 1400 | | | .3 | 1 | 11212 | 6 | 800C | 6500 | 16 | | 19.0 | 10.0 | 0.6 | 0.013 |
| 80 08 11 1100 | | | .3 | 1 | 11214 | 6 | 800C | 35000 | 60 | | 23.0 | 8.1 | 0.6 | 0.007 |
| 80 09 08 1130 | | | .3 | 1 | 11216 | 6 | 170 | 500 | 52 | | 20.0 | 10.0 | 1.0 | 0.011 |
| 80 10 07 1045 | | | .3 | 1 | 11218 | 5 | 10< | 110 | 4< | | 13.0 | 11.0 | 1.2 | 0.018 |
| 80 11 03 1000 | | | .3 | 1 | 11220 | 6 | 8 | 40 | 8 | | 4.5 | 12.0 | 0.6 | 0.038 |
| 80 12 09 1015 | | | .3 | 1 | 11222 | 6 | 4< | 800 | 4< | | 0.5 | 13.5 | 0.2 | 0.013 |
| MAXIMUM | | | | | | | 20000 | 10000000> | 220 | 16 | 23.0 | 13.5 | 1.2 | 0.038 |
| ARITH MEAN | | | | | | | 2182L | 918624G | 43L | 9 | 9.3 | 10.8 | 0.6 | 0.022 |
| GEOM MEAN | | | | | | | 182L | 2334G | 22L | 8 | 4.4 | 10.7 | 0.5 | 0.020 |
| MINIMUM | | | | | | | 4< | 40 | 4< | 4 | 0.0 | 8.1 | 0.2 | 0.007 |
| STD DEV | | | | | | | 5924L | 3012014G | 82L | 4 | 9.0 | 1.4 | 0.3 | 0.011 |
| NO OF SAMPLES | | | | | | | 11 | 11 | 11 | 5 | 12 | 12 | 12 | 12 |

(CONTD)

B O W / SITE: **WINNIPEG RIVER**
SAMPLE POINT: **AT FIRST CPR BR.WEST OF MAIN ST.KENORA**
STATION TYPE: **RIVER**
MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE**
MINOR BASIN: **LAKE WINNIPEG EAST WINNIPEG**
STATION ID: **19-0001-001-02**
STORET CODE: **05**
**001**
LAT: LONG: U T M: **15 0392025.0 5513975.0 4** REGION: **06** DISTANCE: **94.940**

| TEST-NAME: | | | | PPO4FR | RST | RSP | COND25 | TURB | CLIDUR | ALKT | PH | FWPH | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE |
| 80 01 08 1000 | | .3 | 1 | 0.012 | 120.00 | 2.00 | 112.0 | 1.50 | 2.100 | 46 | 7.40 | 7.1 | 0.380 |
| 80 02 04 1000 | | .3 | 1 | 0.013 | 85.00 | 1.00 | 112.0 | 1.70 | 2.200 | 44 | 7.20 | 7.0 | 0.080 |
| 80 03 03 1130 | | .3 | 1 | 0.022 | 110.00 | 1.00 | 114.0 | 2.30 | 2.100 | 49.0 | 7.40 | 7.4 | 0.150 |
| 80 04 08 1400 | | .3 | 1 | 0.019 | 110.00 | 2.00 | 118.0 | 2.90 | 2.400 | 49.0 | 7.20 | 6.95 | 0.260 |
| 80 05 05 1000 | | .3 | 1 | 0.003 | 75.00 | 4.00 | 107.0 | 2.70 | 2.0 | 49.0 | 7.70 | 7.4 | 0.190 |
| 80 06 02 1015 | | .3 | 1 | 0.001 | 110.00 | 3.00 | 114.0 | 1.50 | 2.000 | 47.0 | 7.70 | 7.5 | 0.090 |
| 80 07 02 1400 | | .3 | 1 | 0.001< | 90.00 | 4.00 | 113.0 | 1.30 | 2.100 | 46.0 | 7.20 | 7.6 | 0.059 |
| 80 08 11 1100 | | .3 | 1 | 0.001< | 110.00 | 1.00 | 110.0 | 1.10 | 2.000 | 47.0 | 7.90 | 7.2 | 0.037 |
| 80 09 08 1130 | | .3 | 1 | 0.001 | 100.00 | 3.00 | 114.0 | 1.20 | 2.200 | 47 | 7.70 | 7.5 | 0.046 |
| 80 10 07 1045 | | .3 | 1 | 0.001< | 100.00 | 4.00 | 116.0 | 1.50 | 2.200 | 53.0 | 7.80 | 7.5 | 0.050 |
| 80 11 03 1000 | | .3 | 1 | 0.006 | 90.00 | 4.00 | 114.0 | 1.50 | 2.100 | 49.0 | 7.90 | 7.3 | 0.010 |
| 80 12 09 1015 | | .3 | 1 | 0.004 | 60.00 | 2.00 | 117.0 | 1.10 | 2.200 | 48.0 | 7.60 | 7.1 | 0.100 |
| | | MAXIMUM | | **0.022** | **120.00** | **4.00** | **118.0** | **2.90** | **2.400** | **53.0** | **7.90** | **7.6** | **0.380** |
| | | ARITH MEAN | | **0.007L** | **96.67** | **2.58** | **113.4** | **1.69** | **2.1** | **47** | **7.56** | **7.3** | **0.121** |
| | | GEOM MEAN | | **0.004L** | **95.06** | **2.27** | **113.4** | **1.61** | **2.1** | **47** | **7.55** | **7.2** | **0.083** |
| | | MINIMUM | | **0.001<** | **60.00** | **1.00** | **107.0** | **1.10** | **2.0** | **44** | **7.20** | **6.95** | **0.010** |
| | | STD DEV | | **0.008L** | **17.36** | **1.24** | **3.0** | **0.61** | **0.1** | **2** | **0.27** | **0.2** | **0.108** |
| | | NO OF SAMPLES | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | HARDT | COLAP | ASUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | HARDNESS TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI |
| 80 01 08 1000 | | .3 | 1 | 50.000 | 30.000 | | | 0.002 | | | 0.001 | 0.005 | |
| 80 02 04 1000 | | .3 | 1 | 48.000 | 30.000 | | | 0.010 | | | 0.004 | 0.004 | |
| 80 03 03 1130 | | .3 | 1 | 50.000 | 30.000 | 0.002 | 0.003 | 0.004 | 0.004 | 0.001< | 0.006 | 0.007 | 0.001< |
| 80 04 08 1400 | | .3 | 1 | 51.000 | 30.000 | | | 0.002 | | | 0.001< | 0.012 | |
| 80 05 05 1000 | | .3 | 1 | 51.000 | 30.000 | | | 0.005 | | | 0.001 | 0.009 | |
| 80 06 02 1015 | | .3 | 1 | 49.000 | 33.000 | 0.010 | 0.001 | 0.001 | 0.004 | 0.001< | 0.001 | 0.006 | 0.001 |
| 80 07 02 1400 | | .3 | 1 | 52.000 | 30.000 | | | 0.004 | | | 0.002 | 0.005 | |
| 80 08 11 1100 | | .3 | 1 | 51.000 | 28.000 | 0.001< | 0.001< | 0.006 | 0.003 | 0.001 | 0.005 | 0.014 | 0.005 |
| 80 09 08 1130 | | .3 | 1 | 52.000 | 33.000 | 0.001< | 0.002 | 0.001 | 0.001< | 0.001 | 0.001 | 0.010 | 0.001 |
| 80 10 07 1045 | | .3 | 1 | 46.000 | 36.000 | | | 0.003 | | | 0.001< | 0.010 | |
| 80 11 03 1000 | | .3 | 1 | 51.000 | 36.000 | | | 0.001< | | | 0.004 | 0.014 | |
| 80 12 09 1015 | | .3 | 1 | 51.000 | 21.000 | 0.001< | 0.003 | 0.010 | 0.003 | 0.002 | 0.002 | 0.009 | 0.002 |
| | | MAXIMUM | | **52.000** | **36.000** | **0.010** | **0.003** | **0.010** | **0.004** | **0.002** | **0.006** | **0.014** | **0.005** |
| | | ARITH MEAN | | **50.167** | **30.583** | **0.003L** | **0.002L** | **0.004L** | **0.003L** | **0.001L** | **0.002L** | **0.009** | **0.002L** |
| | | GEOM MEAN | | **50.138** | **30.326** | **0.002L** | **0.002L** | **0.003L** | **0.003L** | **0.001L** | **0.002L** | **0.008** | **0.002L** |
| | | MINIMUM | | **46.000** | **21.000** | **0.001<** | **0.001<** | **0.001<** | **0.001<** | **0.001<** | **0.001<** | **0.004** | **0.001<** |
| | | STD DEV | | **1.749** | **3.942** | **0.004L** | **0.001L** | **0.003L** | **0.001L** | **0.000L** | **0.002L** | **0.003** | **0.002L** |
| | | NO OF SAMPLES | | **12** | **12** | **5** | **5** | **12** | **5** | **5** | **12** | **12** | **5** |

| TEST-NAME: | | | | COUT |
|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | COBALT UNF.TOT. MG/L AS CO |
| 80 03 03 1130 | | .3 | 1 | 0.001< |
| 80 06 02 1015 | | .3 | 1 | 0.001 |
| 80 08 11 1100 | | .3 | 1 | 0.002 |
| 80 09 08 1130 | | .3 | 1 | 0.002 |
| 80 12 09 1015 | | .3 | 1 | 0.001< |
| | | MAXIMUM | | **0.002** |
| | | ARITH MEAN | | **0.001L** |
| | | GEOM MEAN | | **0.001L** |
| | | MINIMUM | | **0.001<** |
| | | STD DEV | | **0.001L** |
| | | NO OF SAMPLES | | **5** |

B O W / SITE: **WINNIPEG RIVER**
SAMPLE POINT: **NORTH-WEST OF OLD FORT ISLAND**
STATION TYPE: **RIVER**
MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE**
MINOR BASIN: **LAKE WINNIPEG EAST WINNIPEG**
STATION ID: **19-0001-002-02**
STORET CODE: **05**
**001**
LAT: LONG: U T M: **15 0391150.0 5515625.0 4** REGION: **06** DISTANCE: **92.213**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 08 1100 | | .3 | 1 | 11201 | 9 | | | | | 0.0 | 11.0 | 0.4 | 0.026 |
| 80 02 04 1045 | | .3 | 1 | 11203 | 9 | 96000C | 400000 | 290 | 16 | 0.0 | 11.5 | 1.4 | 0.020 |
| 80 03 03 1330 | | .3 | 1 | 11205 | 9 | 4400 | 9000 | 930 | 216 | 0.5 | 9.0 | 7.5 | 0.060 |
| 80 04 08 1500 | | .3 | 1 | 11207 | 9 | 5500 | 14100 | 600> | 120 | 2.5 | 9.0 | 2.5 | 0.036 |
| 80 05 05 1100 | | .3 | 1 | 11209 | 9 | 10000 | 30000 | 840 | 108 | 10.0 | 10.0 | 7.0 | 0.030 |
| 80 06 02 1115 | | .3 | 1 | 11211 | 9 | 89000 | 140000 | 230 | 20 | 18.0 | 9.0 | 2.4 | 0.025 |
| 80 07 02 1515 | | .3 | 1 | 11213 | 9 | 4700 | 9800 | 130 | | 19.0 | 9.0 | 1.8 | 0.021 |
| 80 08 11 1130 | | .3 | 1 | 11215 | 9 | 18000 | 94000 | 700I | | 22.0 | 8.6 | 1.6 | 0.014 |
| 80 09 08 1030 | | .3 | 1 | 11217 | 9 | 39000 | 90000 | 600I | | 20.0 | 8.0 | 4.4 | 0.042 |
| 80 10 07 1115 | | .3 | 1 | 11219 | 9 | 8300 | 7100 | 30I | | 13.0 | 9.5 | 3.0 | 0.028 |
| 80 11 03 1100 | | .3 | 1 | 11221 | 9 | 2900 | 16600 | 150 | | 5.0 | 9.5 | 11.0 | 0.025 |
| 80 12 09 1130 | | .3 | 1 | 11223 | | 150000> | 1000000> | 240 | | 1.0 | 12.0 | 2.2 | 0.017 |
| | | MAXIMUM | | | | **150000>** | **1000000>** | **930>** | **216** | **22.0** | **12.0** | **11.0** | **0.060** |
| | | ARITH MEAN | | | | **38891G** | **164600G** | **431G** | **96** | **9.2** | **9.7** | **3.8** | **0.029** |
| | | GEOM MEAN | | | | **16497G** | **46274G** | **301G** | **62** | **4.7** | **9.6** | **2.7** | **0.027** |
| | | MINIMUM | | | | **2900** | **7100** | **30** | **16** | **0.0** | **8.0** | **0.4** | **0.014** |
| | | STD DEV | | | | **50093G** | **300019G** | **312G** | **83** | **8.8** | **1.2** | **3.1** | **0.013** |
| | | NO OF SAMPLES | | | | **11** | **11** | **11** | **5** | **12** | **12** | **12** | **12** |

(CONTD)

| TEST-NAME: | | | | | PPO4FR | RST | RSP | COND25 | TURB | CLIDUR | ALKT | PH | FWPH | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE |
| 80 01 08 1100 | | | .3 | 1 | 0.001 | 110.00 | 4.00 | 115.0 | 2.50 | 2.200 | 45 | 7.40 | 7.1 | 0.080 |
| 80 02 04 1045 | | | .3 | 1 | 0.002 | 80.00 | 3.00 | 114.0 | 2.40 | 2.200 | 45 | 7.20 | 6.9 | 0.670 |
| 80 03 03 1330 | | | .3 | 1 | 0.004 | 160.00 | 3.00 | 133.0 | 4.10 | 2.900 | 48.0 | 7.10 | 7.2 | 0.190 |
| 80 04 08 1500 | | | .3 | 1 | 0.004 | 110.00 | 5.00 | 120.0 | 3.80 | 2.500 | 49.0 | 7.10 | 6.9 | 0.170 |
| 80 05 05 1100 | | | .3 | 1 | 0.003 | 130.00 | 5.00 | 124.0 | 4.00 | 2.6 | 48.0 | 7.20 | 7.0 | 0.230 |
| 80 06 02 1115 | | | .3 | 1 | 0.001 | 100.00 | 5.00 | 120.0 | 2.70 | 2.100 | 46.0 | 7.00 | 7.2 | 0.110 |
| 80 07 02 1515 | | | .3 | 1 | 0.001< | 100.00 | 5.00 | 115.0 | 2.40 | 2.200 | 47.0 | 7.20 | 7.4 | 0.093 |
| 80 08 11 1130 | | | .3 | 1 | 0.001< | 120.00 | 5.00 | 117.0 | 3.70 | 2.200 | 46.0 | 7.40 | 7.1 | 0.073 |
| 80 09 08 1030 | | | .3 | 1 | 0.006 | 150.00 | 4.00 | 131.0 | 3.10 | 2.600 | 46.0 | 7.10 | 7.1 | 0.070 |
| 80 10 07 1115 | | | .3 | 1 | 0.004 | 150.00 | 8.00 | 122.0 | 3.10 | 2.300 | 47.0 | 7.30 | 7.2 | 0.200 |
| 80 11 03 1100 | | | .3 | 1 | 0.001 | 140.00 | 7.00 | 134.0 | 3.10 | 2.700 | 47.0 | 7.40 | 7.1 | 0.250 |
| 80 12 09 1130 | | | .3 | 1 | 0.001 | 70.00 | 3.00 | 120.0 | 2.30 | 2.200 | 47.0 | 7.20 | | 0.150 |
| MAXIMUM | | | | | 0.006 | 160.00 | 8.00 | 134.0 | 4.10 | 2.900 | 49.0 | 7.40 | 7.4 | 0.670 |
| ARITH MEAN | | | | | 0.002L | 118.33 | 4.75 | 122.1 | 3.10 | 2.3 | 46 | 7.22 | 7.1 | 0.190 |
| GEOM MEAN | | | | | 0.002L | 114.96 | 4.53 | 121.9 | 3.04 | 2.3 | 46 | 7.22 | 7.1 | 0.152 |
| MINIMUM | | | | | 0.001< | 70.00 | 3.00 | 114.0 | 2.30 | 2.100 | 45 | 7.00 | 6.9 | 0.070 |
| STD DEV | | | | | 0.002L | 28.55 | 1.54 | 7.1 | 0.66 | 0.2 | 1 | 0.13 | 0.1 | 0.163 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 11 | 12 |

| TEST-NAME: | | | | | HARDT | COLAP | ASUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | HARDNESS TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI |
| 80 01 08 1100 | | | .3 | 1 | 48.000 | 30.000 | | | 0.005 | | | 0.012 | 0.008 | |
| 80 02 04 1045 | | | .3 | 1 | 50.000 | 30.000 | | | 0.011 | | | 0.009 | 0.005 | |
| 80 03 03 1330 | | | .3 | 1 | 50.000 | 30.000 | 0.001< | 0.001< | 0.012 | 0.001< | 0.001< | 0.013 | 0.017 | 0.001 |
| 80 04 08 1500 | | | .3 | 1 | 49.000 | 30.000 | | | 0.007 | | | 0.001 | 0.014 | |
| 80 05 05 1100 | | | .3 | 1 | 53.000 | 30.000 | | | 0.008 | | | 0.009 | 0.020 | |
| 80 06 02 1115 | | | .3 | 1 | 51.000 | 34.000 | 0.003 | 0.001 | 0.002 | 0.003 | 0.001< | 0.002 | 0.012 | 0.001 |
| 80 07 02 1515 | | | .3 | 1 | 48.000 | 30.000 | | | 0.008 | | | 0.019 | 0.010 | |
| 80 08 11 1130 | | | .3 | 1 | 51.000 | 33.000 | 0.001< | 0.001 | 0.004 | 0.005 | 0.001< | 0.005 | 0.021 | 0.006 |
| 80 09 08 1030 | | | .3 | 1 | 54.000 | 42.000 | 0.001< | 0.001< | 0.003 | 0.002 | 0.001 | 0.002 | 0.016 | 0.001 |
| 80 10 07 1115 | | | .3 | 1 | 48.000 | 44.000 | | | 0.004 | | | 0.003 | 0.018 | |
| 80 11 03 1100 | | | .3 | 1 | 53.000 | 32.000 | | | 0.001< | | | 0.003 | 0.021 | |
| 80 12 09 1130 | | | .3 | 1 | 53.000 | 28.000 | 0.001< | 0.003 | 0.008 | 0.001< | 0.001 | 0.001 | 0.012 | 0.001 |
| MAXIMUM | | | | | 54.000 | 44.000 | 0.003 | 0.003 | 0.012 | 0.005 | 0.001 | 0.019 | 0.021 | 0.006 |
| ARITH MEAN | | | | | 50.667 | 32.750 | 0.001L | 0.001L | 0.006L | 0.002L | 0.001L | 0.007 | 0.014 | 0.002 |
| GEOM MEAN | | | | | 50.623 | 32.432 | 0.001L | 0.001L | 0.005L | 0.002L | 0.001L | 0.004 | 0.013 | 0.001 |
| MINIMUM | | | | | 48.000 | 28.000 | 0.001< | 0.001< | 0.001< | 0.001< | 0.001< | 0.001 | 0.005 | 0.001 |
| STD DEV | | | | | 2.188 | 5.065 | 0.001L | 0.001L | 0.003L | 0.002L | 0.000L | 0.006 | 0.005 | 0.002 |
| NO OF SAMPLES | | | | | 12 | 12 | 5 | 5 | 12 | 5 | 5 | 12 | 12 | 5 |

| TEST-NAME: | | | | | COUT |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COBALT UNF.TOT. MG/L AS CO |
| 80 03 03 1330 | | | .3 | 1 | 0.001< |
| 80 06 02 1115 | | | .3 | 1 | 0.001< |
| 80 08 11 1130 | | | .3 | 1 | 0.001 |
| 80 09 08 1030 | | | .3 | 1 | 0.001 |
| 80 12 09 1130 | | | .3 | 1 | 0.001 |
| MAXIMUM | | | | | 0.001 |
| ARITH MEAN | | | | | 0.001L |
| GEOM MEAN | | | | | 0.001L |
| MINIMUM | | | | | 0.001< |
| STD DEV | | | | | 0.000L |
| NO OF SAMPLES | | | | | 5 |

B O W / SITE: **RAINY RIVER**
SAMPLE POINT: **DOWNSTREAM OF EMO**
STATION TYPE: **RIVER**
MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE**
MINOR BASIN: **LAKE WINNIPEG EAST RAINY RI**
STATION ID: **19-0001-003-02**
STORET CODE: **05**
**001**
LAT.
LONG.
U T M. **15 0432625.0 5386000.0 4**
REGION: **06**
DISTANCE: **302.813**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 07 1500 | | | .3 | 1 | 11305 | 4 | 100I | 7300 | 800I | 156 | 0.0 | 12.0 | 0.4 | 0.030 |
| 80 02 04 1620 | | | .3 | 1 | 11313 | 4 | 460 | 23900 | 500 | 12 | 0.0 | 12.0 | 1.2 | 0.027 |
| 80 03 03 1540 | | | .3 | 1 | 11321 | 4 | 240C | 25000 | 2200 | 4< | 0.0 | 12.0 | 0.8 | 0.069 |
| 80 04 15 0945 | | | .3 | 1 | 11329 | 6 | 100C | 7900 | 110C | | 1.5 | 11.0 | 0.6 | 0.051 |
| 80 05 13 1335 | | | .3 | 1 | 11337 | 6 | 1000 | 4100 | 800 | | 10.0 | 9.7 | 0.8 | 0.027 |
| 80 06 09 1650 | | | .3 | 1 | 11345 | 6 | 2000 | 11100 | 420 | | 20.5 | 8.0 | 0.8 | 0.054 |
| 80 07 08 1640 | | | .3 | 1 | 11353 | 6 | 120C | 35000 | 290 | | 24.5 | 6.9 | 0.4 | 0.050 |
| 80 08 05 1600 | | | .3 | 1 | 11361 | 6 | | | | | 24.0 | 6.9 | 1.0 | 0.041 |
| 80 09 17 1235 | | | .3 | 1 | 11369 | 6 | 400I | 25000 | 300I | | 13.0 | 8.3 | 1.2 | 0.066 |
| 80 10 14 1150 | | | .3 | 1 | 11377 | | | | | | 7.1 | 11.1 | 1.5 | 0.050 |
| 80 11 04 0915 | | | .3 | 1 | 11385 | | 6700 | 3800 | 54000 | | 2.5 | 13.3 | 1.1 | 0.048 |
| 80 12 03 1000 | | | .3 | 1 | 11393 | | 3700 | 9000 | 33000 | | 0.0 | 12.0 | 0.5 | 0.023 |
| MAXIMUM | | | | | | | 6700 | 35000 | 54000 | 156 | 24.5 | 13.3 | 1.5 | 0.069 |
| ARITH MEAN | | | | | | | 1482 | 15210 | 9242 | 57L | 8.6 | 10.3 | 0.9 | 0.045 |
| GEOM MEAN | | | | | | | 552 | 11672 | 1176 | 20L | 4.3 | 10.0 | 0.8 | 0.042 |
| MINIMUM | | | | | | | 100 | 3800 | 110 | 4< | 0.0 | 6.9 | 0.4 | 0.023 |
| STD DEV | | | | | | | 2162 | 10974 | 18731 | 88L | 9.7 | 2.2 | 0.4 | 0.015 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 3 | 12 | 12 | 12 | 12 |

(CONTD)

B.O.W./SITE: **RAINY RIVER**
SAMPLE POINT: **DOWNSTREAM OF EMO**
STATION TYPE: **RIVER**
MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE**
MINOR BASIN: **LAKE WINNIPEG EAST RAINY RI**
STATION ID: **19-0001-003-02**
STORET CODE: **05 001**

LAT: LONG: U T M: **15 0432625.0 5386000.0 4** REGION: **06** DISTANCE: **302.813**

| TEST-NAME: | | | | | PPO4FR | RST | RSP | COND25 | TURB | CLIDUR | ALKT | PH | FWPH | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE |
| 80 01 07 1500 | | | .3 | 1 | 0.007 | 95.00 | 3.00 | 72.0 | 1.20 | 3.300 | 23 | 7.10 | 7.1 | |
| 80 02 04 1620 | | | .3 | 1 | 0.001 | 65.00 | 2.00 | 69.0 | 1.50 | 3.300 | 22.0 | 7.10 | 6.9 | 0.200 |
| 80 03 03 1540 | | | .3 | 1 | 0.002 | 85.00 | 15.00 | 74.0 | 1.30 | 3.800 | 23.0 | 6.70 | 7.0 | |
| 80 04 15 0945 | | | .3 | 1 | 0.011 | 100.00 | 15.00 | 101.0 | 4.40 | 3.900 | 35.0 | 7.10 | 7.0 | |
| 80 05 13 1335 | | | .3 | 1 | 0.005 | 120.00 | 5.00 | 116.0 | 3.20 | 7.900 | 38.0 | 7.40 | 7.1 | |
| 80 06 09 1650 | | | .3 | 1 | 0.018 | 100.00 | 70.00 | 123.0 | 3.40 | 9.400 | 36.0 | 7.20 | 6.9 | |
| 80 07 08 1640 | | | .3 | 1 | 0.018 | 100.00 | 5.00 | 123.0 | 2.40 | 8.400 | 38.0 | 7.10 | 7.2 | |
| 80 08 05 1600 | | | .3 | 1 | 0.013 | 100.00 | 5.00 | 116.0 | 3.30 | 11.000 | 30.0 | 7.20 | 7.0 | |
| 80 09 17 1235 | | | .3 | 1 | 0.011 | 140.00 | 15.00 | 132.0 | 6.00 | 5.500 | 46.0 | 7.20 | 7.0 | 0.900 |
| 80 10 14 1150 | | | .3 | 1 | 0.008 | 120.00 | 9.00 | 119.0 | 4.40 | 8.200 | 36.0 | 7.10 | | |
| 80 11 04 0915 | | | .3 | 1 | 0.006 | 90.00 | 6.00 | 105.0 | 4.10 | 6.200 | 33.0 | 7.30 | 7.5 | |
| 80 12 03 1000 | | | .3 | 1 | 0.002 | 70.00 | 2.00 | 84.0 | 2.00 | 3.900 | 27.0 | 7.10 | 6.7 | 0.150 |
| MAXIMUM | | | | | **0.018** | **140.00** | **70.00** | **132.0** | **6.00** | **11.000** | **46.0** | **7.40** | **7.5** | **0.900** |
| ARITH MEAN | | | | | **0.008** | **98.75** | **12.67** | **102.8** | **3.10** | **6.233** | **32** | **7.13** | **7.0** | **0.417** |
| GEOM MEAN | | | | | **0.006** | **96.68** | **7.19** | **100.4** | **2.76** | **5.713** | **31** | **7.13** | **7.0** | **0.300** |
| MINIMUM | | | | | **0.001** | **65.00** | **2.00** | **69.0** | **1.20** | **3.300** | **22.0** | **6.70** | **6.7** | **0.150** |
| STD DEV | | | | | **0.006** | **21.01** | **18.73** | **22.5** | **1.48** | **2.674** | **7** | **0.17** | **0.2** | **0.419** |
| NO OF SAMPLES | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **11** | **3** |

| TEST-NAME: | | | | | HARDT | COLAP | MNUT |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | HARDNESS TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU | MANGANSE UNF.TOT. MG/L AS MN |
| 80 01 07 1500 | | | .3 | 1 | 22.000 | 40.000 | |
| 80 02 04 1620 | | | .3 | 1 | 21.000 | 30.000 | 0.011 |
| 80 03 03 1540 | | | .3 | 1 | 23.000 | 40.000 | |
| 80 04 15 0945 | | | .3 | 1 | 40.000 | 70.000> | |
| 80 05 13 1335 | | | .3 | 1 | 49.000 | 50.000 | |
| 80 06 09 1650 | | | .3 | 1 | 42.000 | 52.000 | |
| 80 07 08 1640 | | | .3 | 1 | 44.000 | 30.000 | |
| 80 08 05 1600 | | | .3 | 1 | 38.000 | 71.000 | |
| 80 09 17 1235 | | | .3 | 1 | 52.000 | 173.000 | 0.034 |
| 80 10 14 1150 | | | .3 | 1 | 40.000 | 132.000 | |
| 80 11 04 0915 | | | .3 | 1 | 40.000 | 116.000 | |
| 80 12 03 1000 | | | .3 | 1 | 30.000 | 56.000 | 0.013 |
| MAXIMUM | | | | | **52.000** | **173.000>** | **0.034** |
| ARITH MEAN | | | | | **38.750** | **71.667G** | **0.019** |
| GEOM MEAN | | | | | **35.226** | **61.199G** | **0.017** |
| MINIMUM | | | | | **21.000** | **30.000** | **0.011** |
| STD DEV | | | | | **10.428** | **45.183G** | **0.013** |
| NO OF SAMPLES | | | | | **12** | **12** | **3** |

B O W / SITE: **RAINY RIVER**
SAMPLE POINT: **UPSTREAM FROM FORT FRANCES TOLL BRIDGE**
STATION TYPE: **RIVER FLOW GAUGE FED 05PC019**
MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE**
MINOR BASIN: **LAKE WINNIPEG EAST RAINY RI**
STATION ID: **19-0001-004-02**
STORET CODE: **05 001**

LAT: LONG: U T M: **15 0471475.0 5383450.0 4** REGION: **06** DISTANCE: **341.506**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O |
| 80 01 07 1655 | | | .3 | 1 | 11300 | 4 | 238.000 | 4 | 84 | 4< | 4< | 0.0 | 13.0 | 0.4 |
| 80 02 05 1150 | | | .3 | 1 | 11308 | 4 | 297.000 | 4 | 16 | 4< | 4< | 0.0 | 12.0 | 0.8 |
| 80 03 04 1200 | | | .3 | 1 | 11316 | 4 | 218.000 | 4< | 24 | 4< | 4< | 0.0 | 12.0 | 1.0 |
| 80 04 15 1200 | | | .3 | 1 | 11324 | 6 | 172.000 | 20 | 236 | 8 | | 1.5 | 11.7 | 0.2 |
| 80 05 13 1505 | | | .3 | 1 | 11332 | 6 | 69.200 | 44 | 524 | 8 | | 9.0 | 11.0 | 0.4 |
| 80 06 10 1205 | | | .3 | 1 | 11340 | 6 | 71.700 | 100C | 8000 | 4 | | 18.0 | 9.2 | |
| 80 07 09 1400 | | | .3 | 1 | 11348 | 6 | 72.200 | 300I | 6500 | 8 | | 22.0 | 8.5 | 1.2 |
| 80 08 06 1100 | | | .3 | 1 | 11356 | 6 | 72.800 | | | | | 21.5 | 7.6 | 0.4 |
| 80 09 17 1425 | | | .3 | 1 | 11364 | 6 | 70.300 | 110 | 790 | 8 | | 14.0 | 9.6 | 0.2 |
| 80 10 14 1440 | | | .3 | 1 | 11372 | | 71.500 | | | | | 8.0 | 9.8 | 0.1 |
| 80 11 04 0700 | | | .3 | 1 | 11380 | | 110.000 | 50I | 290 | 4 | | 4.0 | 12.4 | 0.4 |
| 80 12 03 1330 | | | .3 | 1 | 11388 | | 250.000 | 4 | 56 | 4< | | 0.0 | 13.0 | 0.4 |
| MAXIMUM | | | | | | | **297.000** | **300** | **8000** | **8** | **4** | **22.0** | **13.0** | **1.2** |
| ARITH MEAN | | | | | | | **142.725** | **64L** | **1652** | **6L** | **4L** | **8.2** | **10.8** | **0.5** |
| GEOM MEAN | | | | | | | **120.683** | **23L** | **277** | **5L** | **4L** | **4.4** | **10.7** | **0.4** |
| MINIMUM | | | | | | | **69.200** | **4<** | **16** | **4<** | **4<** | **0.0** | **7.6** | **0.1** |
| STD DEV | | | | | | | **86.682** | **92L** | **2982** | **2L** | **0L** | **8.7** | **1.8** | **0.3** |
| NO OF SAMPLES | | | | | | | **12** | **10** | **10** | **10** | **3** | **12** | **12** | **11** |

| TEST-NAME: | | | | | PPUT | PPO4FR | RST | RSP | COND25 | TURB | CLIDUR | ALKT | PH | FWPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD |
| 80 01 07 1655 | | | .3 | 1 | 0.020 | 0.002 | 90.00 | 4.00 | 55.0 | 1.40 | 0.800 | 21 | 7.10 | 7.2 |
| 80 02 05 1150 | | | .3 | 1 | 0.021 | 0.004 | 70.00 | 4.00 | 60.0 | 0.65 | 0.900 | 21.0 | 7.10 | 6.8 |
| 80 03 04 1200 | | | .3 | 1 | 0.012 | 0.003 | 55.00 | 2.00 | 53.0 | 0.50 | 0.800 | 20.0 | 6.90 | 7.0 |
| 80 04 15 1200 | | | .3 | 1 | 0.012 | 0.001 | 70.00 | 1.00 | 54.0 | 0.65 | 1.000 | 20.0 | 7.10 | 7.1 |
| 80 05 13 1505 | | | .3 | 1 | 0.010 | 0.001 | 55.00 | 4.00 | 52.0 | 1.30 | 0.800 | 19.0 | 7.50 | 7.0 |
| 80 06 10 1205 | | | .3 | 1 | 0.007 | 0.001 | 35.00 | 5.00 | 54.0 | 1.60 | 0.700 | 21.0 | 6.30 | 7.0 |
| 80 07 09 1400 | | | .3 | 1 | 0.015 | 0.001< | 80.00 | 5.00 | 58.0 | 1.40 | 0.800 | 23.0 | 7.10 | 7.2 |
| 80 08 06 1100 | | | .3 | 1 | 0.008 | 0.001 | 60.00 | 4.00 | 57.0 | 1.60 | 0.700 | 23.0 | 7.30 | 7.0 |
| 80 09 17 1425 | | | .3 | 1 | 0.016 | 0.005 | 80.00 | 4.00 | 57.0 | 1.90 | 0.800 | 23.0 | 7.50 | 7.0 |
| 80 10 14 1440 | | | .3 | 1 | 0.020 | 0.004 | 70.00 | 5.00 | 58.0 | 2.00 | 0.700 | 22.0 | 7.50 | |
| 80 11 04 0700 | | | .3 | 1 | 0.018 | 0.002 | 30.00 | 2.00 | 53.0 | 1.50 | 0.800 | 20.0 | 7.20 | 7.4 |
| 80 12 03 1330 | | | .3 | 1 | 0.010 | 0.001< | 40.00 | 2.00 | 56.0 | 1.10 | 0.800 | 21.0 | 7.20 | 6.7 |
| MAXIMUM | | | | | **0.021** | **0.005** | **90.00** | **5.00** | **60.0** | **2.00** | **1.000** | **23.0** | **7.50** | **7.4** |
| ARITH MEAN | | | | | **0.014** | **0.002L** | **61.25** | **3.50** | **55.6** | **1.30** | **0.800** | **21** | **7.15** | **7.0** |
| GEOM MEAN | | | | | **0.013** | **0.002L** | **58.19** | **3.17** | **55.5** | **1.20** | **0.796** | **21** | **7.14** | **7.0** |
| MINIMUM | | | | | **0.007** | **0.001<** | **30.00** | **1.00** | **52.0** | **0.50** | **0.700** | **19.0** | **6.30** | **6.7** |
| STD DEV | | | | | **0.005** | **0.001L** | **18.96** | **1.38** | **2.6** | **0.49** | **0.085** | **1** | **0.33** | **0.2** |
| NO OF SAMPLES | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **11** |

(CONTD)

| | | | TEST-NAME: | | FEUT | HARDT | COLAP | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 01 07 1655 | | | .3 | 1 | | 22.000 | 30.000 | | | | | | | |
| 80 02 05 1150 | | | .3 | 1 | 0.065 | 23.000 | 20.000 | 0.001< | 0.050 | 0.003 | 0.001< | 0.001< | 0.001< | 0.009 |
| 80 03 04 1200 | | | .3 | 1 | | 21.000 | 30.000 | | | | | | | |
| 80 04 15 1200 | | | .3 | 1 | | 22.000 | 30.000 | | | | | | | |
| 80 05 13 1505 | | | 3 | 1 | | 18.000 | 15 | | | | | | | |
| 80 06 10 1205 | | | .3 | 1 | 0.160 | 22.000 | 12.000 | 0.001 | 0.050< | 0.001< | 0.002 | 0.007 | 0.001 | 0.003 |
| 80 07 09 1400 | | | .3 | 1 | | 24.000 | 30.000 | | | | | | | |
| 80 08 06 1100 | | | .3 | 1 | | 24.000 | 30.000 | | | | | | | |
| 80 09 17 1425 | | | .3 | 1 | 0.150 | 26.000 | 32.000 | 0.002 | 0.050< | 0.001< | 0.002 | 0.001 | 0.001< | 0.001 |
| 80 10 14 1440 | | | .3 | 1 | | 22.000 | 37.000 | | | | | | | |
| 80 11 04 0700 | | | .3 | 1 | | 22.000 | 36.000 | | | | | | | |
| 80 12 03 1330 | | | .3 | 1 | 0.150 | 22.000 | 34.000 | 0.001< | 0.050< | 0.008 | 0.024 | 0.001 | 0.001< | 0.009 |
| MAXIMUM | | | | | 0.180 | 26.000 | 37.000 | 0.002 | 0.050 | 0.008 | 0.024 | 0.007 | 0.001 | 0.009 |
| ARITH MEAN | | | | | 0.131 | 22.333 | 28 | 0.001L | 0.050L | 0.003L | 0.007L | 0.002L | 0.001L | 0.006 |
| GEOM MEAN | | | | | 0.124 | 22.265 | 26 | 0.001L | 0.050L | 0.002L | 0.003L | 0.002L | 0.001L | 0.004 |
| MINIMUM | | | | | 0.065 | 18.000 | 12.000 | 0.001< | 0.050< | 0.001< | 0.001< | 0.001< | 0.001< | 0.001 |
| STD DEV | | | | | 0.044 | 1.923 | 8 | 0.000L | 0.000L | 0.003L | 0.011L | 0.003L | 0.000L | 0.004 |
| NO OF SAMPLES | | | | | 4 | 12 | 12 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

| | | | TEST-NAME: | | MNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 02 05 1150 | | | .3 | 1 | 0.004 | 0.001< | 0.001< | |
| 80 06 10 1205 | | | 3 | 1 | 0.010 | 0.002 | 0.001< | |
| 80 09 17 1425 | | | .3 | 1 | 0.009 | 0.001 | 0.001< | 0.010< |
| 80 12 03 1330 | | | .3 | 1 | 0.011 | 0.001< | 0.001< | |
| MAXIMUM | | | | | 0.011 | 0.002 | 0.001 | 0.010 |
| ARITH MEAN | | | | | 0.008 | 0.001L | 0.001L | 0.010L |
| GEOM MEAN | | | | | 0.008 | 0.001L | 0.001L | |
| MINIMUM | | | | | 0.004 | 0.001< | 0.001< | 0.010< |
| STD DEV | | | | | 0.003 | 0.000L | 0.000L | |
| NO OF SAMPLES | | | | | 4 | 4 | 4 | 1 |

B.O.W / SITE: **WABIGOON RIVER**
SAMPLE POINT: **UPSTR FROM GREAT LAKES FOREST PRODUCTS**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE**
MINOR BASIN: **LAKE WINNIPEG EAST WINNIPEG**
TERM STREAM: **ENGLISH RIVER**

STATION ID: **19-0001-005-02**
STORET CODE: **05**
**001**
**1090**

LAT: LONG: U T M: **15 0511050.0 5513100.0 4** REGION: **06** DISTANCE: **265.017**

| | | | TEST-NAME: | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 28 1145 | | | .3 | 1 | 11000 | 4 | | | | | 0.0 | 8.5 | 0.8 | 0.027 |
| 80 02 18 1245 | | | .3 | 1 | 11004 | 4 | | | | | 1.0 | 12.0 | 0.6 | 0.032 |
| 80 03 17 1200 | | | .3 | 1 | 11008 | 4 | 16 | 88 | 4< | 4< | 0.0 | 8.5 | 0.4 | 0.023 |
| 80 04 21 1140 | | | .3 | 1 | 11012 | | 20 | 136 | 4 | | 5.0 | 11.0 | 0.6 | 0.024 |
| 80 05 13 1010 | | | .3 | 1 | 11016 | | 144C | 1200 | 4< | | 7.0 | 7.0 | 0.5 | 0.024 |
| 80 06 09 2115 | | | .3 | 1 | 11020 | | 110 | 1410 | 8 | | 15.5 | 8.2 | 0.6 | 0.038 |
| 80 07 14 1330 | | | .3 | 1 | 11024 | 6 | 200 | 1320 | 24 | | 22.5 | 6.1 | 0.6 | 0.040 |
| 80 08 18 1250 | | | .3 | 1 | 11028 | 6 | 2500 | 5100 | 30C | | 21.0 | 7.6 | | 0.400 |
| 80 09 15 1310 | | | 3 | 1 | 11032 | | 400I | 7900 | 10I | | 14.5 | 8.2 | 1.4 | 0.330 |
| 80 10 15 1225 | | | .3 | 1 | 11036 | | 150000 | 20000I | 11000 | | 7.0 | 10.0 | 0.8 | 0.035 |
| 80 11 03 1130 | | | .3 | 1 | 11040 | | 29000 | 9000I | 800I | | 2.5 | 12.8 | 0.4 | 0.036 |
| 80 12 08 1415 | | | .3 | 1 | 11044 | 4 | 600I | 400I | 10< | | 1.0 | 12.0 | 0.2 | 0.023 |
| MAXIMUM | | | | | | | 150000 | 20000 | 11000 | 4 | 22.5 | 12.8 | 1.4 | 0.400 |
| ARITH MEAN | | | | | | | 18299 | 4655 | 1189L | 4L | 8.1 | 9.3 | 0.6 | 0.086 |
| GEOM MEAN | | | | | | | 552 | 1546 | 28L | | 4.5 | 9.1 | 0.6 | 0.045 |
| MINIMUM | | | | | | | 16 | 88 | 4< | 4< | 0.0 | 6.1 | 0.2 | 0.023 |
| STD DEV | | | | | | | 47140 | 6307 | 3456L | | 8.2 | 2.2 | 0.3 | 0.131 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 1 | 12 | 12 | 11 | 12 |

| | | | TEST-NAME: | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 28 1145 | | | 3 | 1 | 0.019 | 0.030 | 0.640 | 0.006 | 0.040 | 0.076 | 0.610 | 0.686 | 90.00 | 2.00 |
| 80 02 18 1245 | | | .3 | 1 | 0.010 | 0.050 | 0.540 | 0.004 | 0.070 | 0.124 | 0.490 | 0.614 | 90.00 | 15.00 |
| 80 03 17 1200 | | | .3 | 1 | 0.008 | 0.040 | 0.470 | 0.005 | 0.100 | 0.145 | 0.430 | 0.575 | 85.00 | 10.00 |
| 80 04 21 1140 | | | .3 | 1 | 0.011 | 0.010 | 0.360 | 0.004 | 0.060 | 0.074 | 0.350 | 0.424 | 80.00 | 2.00 |
| 80 05 13 1010 | | | .3 | 1 | 0.007 | 0.010 | 0.380 | 0.004 | 0.010< | 0.024 | 0.370 | 0.394 | 90.00 | 10.00 |
| 80 06 09 2115 | | | .3 | 1 | 0.009 | 0.010< | 0.560 | 0.005 | 0.010< | 0.025 | 0.550 | 0.575 | 150.00 | 15.00 |
| 80 07 14 1330 | | | .3 | 1 | 0.013 | 0.010 | 0.410 | 0.006 | 0.010< | 0.026 | 0.400 | 0.426 | 90.00 | 10.00 |
| 80 08 18 1250 | | | .3 | 1 | 0.011 | 0.010 | 0.026 | 0.005 | 0.010< | 0.025 | 0.016 | 0.041 | | |
| 80 09 15 1310 | | | .3 | 1 | 0.024 | 0.260 | 0.830 | 0.004 | 0.010< | 0.274 | 0.570 | 0.844 | 120.00 | 10.00 |
| 80 10 15 1225 | | | .3 | 1 | 0.008 | 0.050 | 0.460 | 0.008 | 0.020 | 0.078 | 0.410 | 0.488 | 100.00 | 6.00 |
| 80 11 03 1130 | | | .3 | 1 | 0.010 | 0.020 | 0.370 | 0.012 | 0.020 | 0.052 | 0.350 | 0.402 | 90.00 | 7.00 |
| 80 12 08 1415 | | | .3 | 1 | 0.011 | 0.020 | 0.350 | 0.004 | 0.040 | 0.064 | 0.330 | 0.394 | 110.00 | 2.00 |
| MAXIMUM | | | | | 0.024 | 0.260 | 0.830 | 0.012 | 0.100 | 0.274 | 0.610 | 0.844 | 150.00 | 15.00 |
| ARITH MEAN | | | | | 0.012 | 0.043L | 0.450 | 0.006 | 0.033L | 0.082 | 0.406 | 0.489 | 99.55 | 8.09 |
| GEOM MEAN | | | | | 0.011 | 0.024L | 0.370 | 0.005 | 0.023L | 0.061 | 0.329 | 0.416 | 97.94 | 6.41 |
| MINIMUM | | | | | 0.007 | 0.010< | 0.026 | 0.004 | 0.010< | 0.024 | 0.016 | 0.041 | 80.00 | 2.00 |
| STD DEV | | | | | 0.005 | 0.070L | 0.194 | 0.002 | 0.030L | 0.072 | 0.154 | 0.198 | 20.30 | 4.76 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 11 | 11 |

(CONTD)

B.O.W./ SITE: **WABIGOON RIVER**
SAMPLE POINT: **UPSTR FROM GREAT LAKES FOREST PRODUCTS**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE**
MINOR BASIN: **LAKE WINNIPEG EAST WINNIPEG**
TERM STREAM: **ENGLISH RIVER**

STATION ID: **19-0001-005-02**
STORET CODE: **05**
**001**
**1980**

LAT: LONG: U T M: **15 0511050.0 5513100.0 4** REGION: **06** DISTANCE: **265.017**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COND25 CONDUCT. 25C UMHO/CM AT 25 C | TURB TURB'ITY FTU | CLIDUR CHLORIDE UNF.REAC MG/L AS CL | SSO4UR SULPHATE UNF.REAC MG/L AS SO4 | ALKT ALK TOTAL MG/L AS CACO3 | PH PH | FWPH PH FIELD | FEUT IRON UNF.TOT. MG/L AS FE | HARDT HARDNESS TOTAL MG/L AS CACO3 | COLAP COLOUR APPARENT HZU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 28 1145 | | | .3 | 1 | 108.0 | 12.00 | 1.400 | 2.600 | 46.0 | 7.70 | 7.0 | 0.730 | 46.000 | 40.000 |
| 80 02 18 1245 | | | .3 | 1 | 109.0 | 9.90 | 1.200 | 3.100 | 49 | 7.40 | 7.1 | 0.720 | 48.000 | 50.000 |
| 80 03 17 1200 | | | .3 | 1 | 112.0 | 13.00 | 1.400 | 3.700 | 50.0 | 7.30 | 7.0 | 0.850 | 48.000 | 50.000 |
| 80 04 21 1140 | | | .3 | 1 | 105.0 | 9.20 | 1.200 | 3.100 | 48.0 | 6.80 | 7.1 | 0.620 | 49.000 | 30.000 |
| 80 05 13 1010 | | | .3 | 1 | 97.0 | 12.00 | 1.300 | 2.500 | 43.0 | 6.70 | 7.0 | 1.100 | 44.000 | 60.000 |
| 80 06 09 2115 | | | .3 | 1 | 100.0 | 15.00 | 1.100 | 2.700 | 43.0 | 6.90 | 7.2 | 1.000 | 44.000 | 53.000 |
| 80 07 14 1330 | | | .3 | 1 | 105.0 | 20.00 | 1.200 | 3.300 | 47.0 | 7.00 | 7.1 | 1.300 | 44.000 | 30.000 |
| 80 08 18 1250 | | | .3 | 1 | 102.0 | 19.00 | | 3.100 | 45.0 | 7.40 | 7.0 | 1.3 | 46.000 | |
| 80 09 15 1310 | | | .3 | 1 | 106.0 | 17.00 | 1.300 | 4.500 | 46.0 | 7.30 | 7.3 | 1.3 | 52.000 | 54.000 |
| 80 10 15 1225 | | | .3 | 1 | 106.0 | 16.00 | 1.200 | 4.000 | 47.0 | 7.50 | 7.2 | 0.900 | 46.000 | 61.000 |
| 80 11 03 1130 | | | .3 | 1 | 106.0 | 16.00 | 1.300 | 3.500 | 48.0 | 7.70 | 7.0 | 0.950 | 47.000 | 60.000 |
| 80 12 08 1415 | | | .3 | 1 | 106.0 | 14.00 | 1.100 | 4.200 | 47.0 | 7.40 | 7.1 | 0.850 | 46.000 | 46.000 |
| MAXIMUM | | | | | **112.0** | **20.00** | **1.400** | **4.500** | **50.0** | **7.70** | **7.3** | **1.3** | **52.000** | **61.000** |
| ARITH MEAN | | | | | **105.2** | **14.42** | **1.245** | **3.358** | **46** | **7.26** | **7.1** | **0.9** | **46.667** | **48.545** |
| GEOM MEAN | | | | | **105.1** | **14.05** | **1.242** | **3.303** | **46** | **7.25** | **7.1** | **0.9** | **46.614** | **47.219** |
| MINIMUM | | | | | **97.0** | **9.20** | **1.100** | **2.500** | **43.0** | **6.70** | **7.0** | **0.620** | **44.000** | **30.000** |
| STD DEV | | | | | **4.0** | **3.38** | **0.104** | **0.640** | **2** | **0.33** | **0.1** | **0.2** | **2.348** | **11.130** |
| NO OF SAMPLES | | | | | **12** | **12** | **11** | **12** | **12** | **12** | **12** | **12** | **12** | **11** |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ASUT ARSENIC UNF.TOT. MG/L AS AS | HGUT MERCURY UNF.TOT. UG/L AS HG | CRUT CHROMIUM UNF.TOT. MG/L AS CR | CUUT COPPER UNF.TOT. MG/L AS CU | PBUT LEAD UNF.TOT. MG/L AS PB | CDUT CADMIUM UNF.TOT. MG/L AS CD | ZNUT ZINC UNF.TOT. MG/L AS ZN | MNUT MANGANSE UNF.TOT. MG/L AS MN | NIUT NICKEL UNF.TOT. MG/L AS NI | COUT COBALT UNF.TOT. MG/L AS CO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 28 1145 | | | .3 | 1 | | 0.050< | | 0.002 | | | 0.014 | 0.013 | | |
| 80 02 18 1245 | | | .3 | 1 | 0.001 | 0.050< | 0.003 | 0.005 | 0.001< | 0.001< | 0.006 | 0.012 | 0.001< | 0.001< |
| 80 03 17 1200 | | | .3 | 1 | 0.003 | 0.070 | | 0.006 | | | 0.004 | 0.015 | 0.001 | |
| 80 04 21 1140 | | | .3 | 1 | 0.001 | 0.050 | | 0.011 | | | 0.012 | 0.013 | 0.009 | |
| 80 05 13 1010 | | | .3 | 1 | 0.001 | 0.110 | | 0.008 | | | 0.007 | 0.020 | 0.001< | |
| 80 06 09 2115 | | | .3 | 1 | 0.002 | 0.060 | | 0.005 | | | 0.009 | 0.024 | 0.001 | |
| 80 07 14 1330 | | | .3 | 1 | 0.001 | 0.070 | | 0.003 | | | 0.003 | 0.023 | 0.001 | |
| 80 08 18 1250 | | | .3 | 1 | 0.001< | 0.05 | | 0.003 | | | 0.006 | 0.026 | 0.009 | |
| 80 09 15 1310 | | | .3 | 1 | 0.001< | 0.05 < | | 0.001< | | | 0.003 | 0.021 | 0.001< | |
| 80 10 15 1225 | | | .3 | 1 | 0.001< | 0.100 | | 0.004 | | | 0.001 | 0.018 | 0.001< | |
| 80 11 03 1130 | | | .3 | 1 | 0.001< | 0.130 | | 0.001 | | | 0.002 | 0.016 | 0.002 | |
| 80 12 08 1415 | | | .3 | 1 | 0.001< | 0.350 | | 0.019 | | | 0.021 | 0.015 | 0.008 | |
| MAXIMUM | | | | | **0.003** | **0.350** | **0.003** | **0.019** | **0.001** | **0.001** | **0.021** | **0.026** | **0.009** | **0.001** |
| ARITH MEAN | | | | | **0.001L** | **0.09 L** | **0.003** | **0.006L** | **0.001L** | **0.001L** | **0.007** | **0.018** | **0.003L** | **0.001L** |
| GEOM MEAN | | | | | **0.001L** | **0.07 L** | | **0.004L** | | | **0.006** | **0.017** | **0.002L** | |
| MINIMUM | | | | | **0.001<** | **0.050<** | **0.003** | **0.001<** | **0.001<** | **0.001<** | **0.001** | **0.012** | **0.001<** | **0.001<** |
| STD DEV | | | | | **0.001L** | **0.08 L** | | **0.005L** | | | **0.006** | **0.005** | **0.004L** | |
| NO OF SAMPLES | | | | | **11** | **12** | **1** | **12** | **1** | **1** | **12** | **12** | **11** | **1** |

B.O.W./ SITE: **WABIGOON RIVER**
SAMPLE POINT: **AT GOLF COURSE BRIDGE DRYDEN**
STATION TYPE: **RIVER FLOW GAUGE FED 05QD016**

MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE**
MINOR BASIN: **LAKE WINNIPEG EAST WINNIPEG**
TERM STREAM: **ENGLISH RIVER**

STATION ID: **19-0001-006-02**
STORET CODE: **05**
**001**
**1980**

LAT: LONG: U T M: **15 0510550.0 5515000.0 4** REGION: **06** DISTANCE: **264.408**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE SAMPLE NUMBER | FWSTRC STREAM COND. | FWFLOW STREAM FLOW M3 /S | TCMF COLIFORM TOTAL MF CNT /100ML | TCMFBK COLIFORM TOTAL MF BCKGRD CNT /100ML | FCMF FECAL COLIFORM MF CNT /100ML | FSMF FECAL STREPCUS MF CNT /100ML | FWTEMP WATER TEMP DEG.C | DO DISOLVED OXYGEN MG/L AS O | BOD5 BOD 5 DAY TOT.DEM. MG/L AS O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 28 1300 | | | .3 | 1 | 11001 | | 12.000 | | | | | 2.5 | 6.0 | 7.5 |
| 80 02 18 1230 | | | .3 | 1 | 11005 | 0 9 | 12.300 | | | | | 6.0 | 9.0 | 8.5 |
| 80 03 17 1140 | | | .3 | 1 | 11009 | 0 9 | 12.200 | 1410000 | 310000 | 3300 | 120 | 3.0 | 6.0 | 14.0 |
| 80 04 21 1150 | | | .3 | 1 | 11013 | 0 9 | 9.910 | 800000C | 3600000 | 10000I | | 7.0 | 7.5 | 22.0 |
| 80 05 13 1000 | | | .3 | 1 | 11017 | | 4.960 | 4800 | 7000 | 350 | | 11.0 | 7.0 | 24.0 |
| 80 06 09 2100 | | | .3 | 1 | 11021 | 0 9 | 1.700 | 24000 | 57000 | 1300 | | 21.5 | 5.7 | 65.0 |
| 80 07 14 1300 | | | .3 | 1 | 11025 | 6 | 0.425 | 16000000 | 61000000 | 100000< | | 30.0 | 4.1 | 100.0 |
| 80 08 18 1230 | | | .3 | 1 | 11029 | 0 9 | 1.980 | 4000000I | 88000000 | 1000000< | | 26.0 | 4.8 | 60.0 |
| 80 09 15 1250 | | | .3 | 1 | 11033 | 0 9 | 1.980 | 2000000I | 99000000 | 4000000 | | 21.0 | 6.2 | 76.0 |
| 80 10 15 1210 | | | .3 | 1 | 11037 | | 1.980 | 6300E+05 | 60000000 | 80000000I | | 11.0 | 5.5 | 50.0 |
| 80 11 03 1115 | | | .3 | 1 | 11041 | | 1.980 | 8600E+05 | 1800E+05 | 11000000 | | 12.0 | 9.4 | 70.0 |
| 80 12 08 1330 | | | .3 | 1 | 11045 | 9 | 11.600 | 55000000 | 4000000I | 12000 | | 3.0 | 10.0 | 10.0 |
| MAXIMUM | | | | | | | **12.300** | **8600E+05** | **1800E+05** | **80000000** | **120** | **30.0** | **10.0** | **100.0** |
| ARITH MEAN | | | | | | | **6.085** | **1569E+05** | **49597400** | **9612695L** | **120** | **12.8** | **6.8** | **42.2** |
| GEOM MEAN | | | | | | | **3.873** | **3711225** | **5022926** | **95549L** | | **9.4** | **6.5** | **29.8** |
| MINIMUM | | | | | | | **0.425** | **4800** | **7000** | **350<** | **120** | **2.5** | **4.1** | **7.5** |
| STD DEV | | | | | | | **5.009** | **3150E+05** | **60273480** | **24976470L** | | **9.5** | **1.9** | **31.7** |
| NO OF SAMPLES | | | | | | | **12** | **10** | **10** | **10** | **1** | **12** | **12** | **12** |

(CONTD)

| | | | TEST-NAME: | | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L |
| 80 01 28 1300 | | | .3 | 1 | 0.048 | 0.031 | 0.090 | 0.470 | 0.008 | 0.030 | 0.128 | 0.380 | 0.508 | 120.00 |
| 80 02 18 1230 | | | .3 | 1 | 0.088 | 0.018 | 0.020 | 0.460 | 0.005 | 0.010< | 0.035 | 0.440 | 0.475 | 120.00 |
| 80 03 17 1140 | | | .3 | 1 | 0.020 | 0.025 | 0.030 | 0.610 | 0.013 | 0.010< | 0.053 | 0.580 | 0.633 | 210.00 |
| 80 04 21 1150 | | | .3 | 1 | 0.084 | 0.021 | 0.010 | 0.610 | 0.011 | 0.010< | 0.031 | 0.600 | 0.631 | 210.00 |
| 80 05 13 1000 | | | .3 | 1 | 0.160 | 0.032 | 0.040 | 0.840 | 0.016 | 0.010 | 0.066 | 0.800 | 0.866 | 160.00 |
| 80 06 09 2100 | | | .3 | 1 | 0.140 | 0.094 | 0.260 | 2.200 | 0.025 | 0.010< | 0.295 | 1.940 | 2.235 | 540.00 |
| 80 07 14 1300 | | | .3 | 1 | 0.290 | 0.110 | 0.130 | 1.000 | 0.071 | 0.010< | 0.211 | 0.870 | 1.081 | 950.00 |
| 80 08 18 1230 | | | .3 | 1 | 1.200 | 0.041 | 0.010< | 0.250 | 0.028 | 0.010< | 0.048 | 0.240 | 0.288 | 660.00 |
| 80 09 15 1250 | | | .3 | 1 | 0.250 | 0.055 | 0.050 | 0.870 | 0.040 | 0.010< | 0.100 | 0.820 | 0.920 | 790.00 |
| 80 10 15 1210 | | | .3 | 1 | 2.100 | 0.027 | 0.020 | 1.100 | 0.026 | | | 1.080 | | 570.00 |
| 80 11 03 1115 | | | .3 | 1 | 0.280 | 0.050 | 0.120 | 1.200 | 0.034 | | | 1.080 | | 750.00 |
| 80 12 08 1330 | | | .3 | 1 | 0.061 | 0.011 | 0.010< | 0.570 | 0.010 | 0.020 | 0.040 | 0.560 | 0.600 | 170.00 |
| | | | MAXIMUM | | **2.100** | **0.110** | **0.260** | **2.200** | **0.071** | **0.030** | **0.295** | **1.940** | **2.235** | **950.00** |
| | | | ARITH MEAN | | **0.393** | **0.043** | **0.068L** | **0.848** | **0.024** | **0.013L** | **0.101** | **0.782** | **0.824** | **437.50** |
| | | | GEOM MEAN | | **0.168** | **0.035** | **0.038L** | **0.734** | **0.019** | **0.012L** | **0.075** | **0.682** | **0.709** | **334.68** |
| | | | MINIMUM | | **0.020** | **0.011** | **0.010<** | **0.250** | **0.005** | **0.010<** | **0.031** | **0.240** | **0.288** | **120.00** |
| | | | STD DEV | | **0.624** | **0.031** | **0.075L** | **0.512** | **0.018** | **0.007L** | **0.086** | **0.460** | **0.548** | **303.89** |
| | | | NO OF SAMPLES | | **12** | **12** | **12** | **12** | **12** | **10** | **10** | **12** | **10** | **12** |

| | | | TEST-NAME: | | RSP | COND25 | TURB | CLIDUR | SSO4UR | ALKT | PH | FWPH | FEUT | HARDT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | IRON UNF.TOT MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 |
| 80 01 28 1300 | | | .3 | 1 | 15.00 | 138.0 | 22.00 | 5.100 | 5.100 | 52.0 | 7.80 | 7.1 | 0.800 | 48.000 |
| 80 02 18 1230 | | | .3 | 1 | 15.00 | 190.0 | 10.00 | 18.000 | 16.000 | 43 | 6.90 | 6.8 | 0.600 | 52.000 |
| 80 03 17 1140 | | | .3 | 1 | 20.00 | 243.0 | 15.00 | 30.000 | 13.000 | 48.0 | 7.00 | 6.8 | 0.970 | 52.000 |
| 80 04 21 1150 | | | .3 | 1 | 20.00 | 244.0 | 17.00 | 30.000 | 9.000 | 57.0 | 6.90 | 6.9 | 1.100 | 58.000 |
| 80 05 13 1000 | | | .3 | 1 | 20.00 | 370.0 | 13.00 | 89.000 | 20.000 | 6.0 | 5.30 | 5.5 | 1.800 | 58.000 |
| 80 06 09 2100 | | | .3 | 1 | 55.00 | 504.0 | 2.90 | 91.000 | 69.000 | 0.0 | 4.10 | 5.5 | 1.300 | 62.000 |
| 80 07 14 1300 | | | .3 | 1 | 70.00 | 940.0 | 22.00 | 169.000 | 60.000 | 122.0 | 6.90 | 6.7 | 2.600 | 65.000 |
| 80 08 18 1230 | | | .3 | 1 | 65.00 | 660.0 | 33.00 | 109.000 | 26.000 | 80.0 | 6.80 | 6.3 | 1.7 | 130.000 |
| 80 09 15 1250 | | | .3 | 1 | 50.00 | 920.0 | 28.00 | 180.000 | 90.000 | 80.0 | 6.60 | 6.3 | 1.1 | 160.000 |
| 80 10 15 1210 | | | .3 | 1 | 40.00 | 680.0 | 34.00 | 126.000 | 44.000 | 66.0 | 6.60 | 6.7 | 0.950 | 121.000 |
| 80 11 03 1115 | | | .3 | 1 | 40.00 | 1000.0 | 36.00 | 245.000 | 45.000 | 62.0 | 6.70 | 6.6 | 2.200 | 101.000 |
| 80 12 08 1330 | | | .3 | 1 | 5.00 | 200.0 | 15.00 | 21.000 | 11.000 | 51.0 | 7.20 | 7.0 | 1.000 | 59.000 |
| | | | MAXIMUM | | **70.00** | **1000.0** | **36.00** | **245.000** | **90.000** | **122.0** | **7.80** | **7.1** | **2.600** | **160.000** |
| | | | ARITH MEAN | | **34.58** | **507.4** | **20.66** | **92.758** | **34.008** | **55** | **6.57** | **6.5** | **1.3** | **80.500** |
| | | | GEOM MEAN | | **27.41** | **409.9** | **17.44** | **57.964** | **24.197** | **36** | **6.49** | **6.5** | **1.2** | **73.867** |
| | | | MINIMUM | | **5.00** | **138.0** | **2.90** | **5.100** | **5.100** | **0.0** | **4.10** | **5.5** | **0.600** | **48.000** |
| | | | STD DEV | | **21.69** | **322.3** | **10.39** | **76.448** | **27.423** | **32** | **0.96** | **0.5** | **0.6** | **37.621** |
| | | | NO OF SAMPLES | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| | | | TEST-NAME: | | COLAP | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI |
| 80 01 28 1300 | | | .3 | 1 | 70.000> | | 0.050< | | 0.007 | | | 0.009 | 0.029 | |
| 80 02 18 1230 | | | .3 | 1 | 70.000> | 0.001< | 0.050< | 0.017 | 0.006 | 0.001< | 0.001< | 0.007 | 0.046 | 0.002 |
| 80 03 17 1140 | | | .3 | 1 | 70.000> | 0.002 | 0.050 | | 0.008 | | | 0.010 | 0.067 | 0.002 |
| 80 04 21 1150 | | | .3 | 1 | 70.000> | 0.002 | 0.070 | | 0.009 | | | 0.029 | 0.130 | 0.006 |
| 80 05 13 1000 | | | .3 | 1 | 70.000> | 0.002 | 0.100 | | 0.009 | | | 0.017 | 0.075 | 0.002 |
| 80 06 09 2100 | | | .3 | 1 | 326.000 | 0.002 | 0.050< | | 0.006 | | | 0.005 | 0.180 | 0.002 |
| 80 07 14 1300 | | | .3 | 1 | 70.000> | 0.002 | 0.170 | | 0.007 | | | 0.033 | 0.220 | 0.001 |
| 80 08 18 1230 | | | .3 | 1 | 537.000 | 0.001< | 0.06 | | 0.005 | | | 0.041 | 0.29 | 0.009 |
| 80 09 15 1250 | | | .3 | 1 | 1000.000> | 0.001< | 0.05 < | | 0.012 | | | 0.050 | 0.64 | 0.003 |
| 80 10 15 1210 | | | .3 | 1 | 798.000 | 0.001< | 0.140 | | 0.007 | | | 0.024 | 0.150 | 0.004 |
| 80 11 03 1115 | | | .3 | 1 | 1000.000> | 0.001< | 0.160 | | 0.008 | | | 0.030 | 0.120 | 0.002 |
| 80 12 08 1330 | | | .3 | 1 | 154.000 | 0.001< | 0.370 | | 0.024 | | | 0.038 | 0.066 | 0.010 |
| | | | MAXIMUM | | **1000.000>** | **0.002** | **0.370** | **0.017** | **0.024** | **0.001** | **0.001** | **0.050** | **0.64** | **0.010** |
| | | | ARITH MEAN | | **352.917G** | **0.001L** | **0.11 L** | **0.017** | **0.009** | **0.001L** | **0.001L** | **0.024** | **0.18** | **0.004** |
| | | | GEOM MEAN | | **192.136G** | **0.001L** | **0.08 L** | | **0.008** | | | **0.019** | **0.11** | **0.003** |
| | | | MINIMUM | | **70.000** | **0.001<** | **0.050<** | **0.017** | **0.005** | **0.001<** | **0.001<** | **0.005** | **0.029** | **0.001** |
| | | | STD DEV | | **380.187G** | **0.001L** | **0.09 L** | | **0.005** | | | **0.015** | **0.16** | **0.003** |
| | | | NO OF SAMPLES | | **12** | **11** | **12** | **1** | **12** | **1** | **1** | **12** | **12** | **11** |

| | | | TEST-NAME: | | COUT |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COBALT UNF.TOT. MG/L AS CO |
| 80 02 18 1230 | | | .3 | 1 | 0.001< |
| | | | MAXIMUM | | **0.001** |
| | | | ARITH MEAN | | **0.001L** |
| | | | GEOM MEAN | | |
| | | | MINIMUM | | **0.001<** |
| | | | STD DEV | | |
| | | | NO OF SAMPLES | | **1** |

B.O.W./ SITE: **ENGLISH RIVER**
SAMPLE POINT: **AT MANITOU FALLS HYDRO DAM**
STATION TYPE: **RIVER FLOW GAUGE FED 05QE007**

MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE**
MINOR BASIN: **LAKE WINNIPEG EAST WINNIPEG**
TERM STREAM: **ENGLISH RIVER**

STATION ID: **19-0001-007-02**
STORET CODE: **05**
**001**
**1980**

LAT: LONG: U.T.M: **15 0467750.0 5603450.0 4** REGION: **06** DISTANCE: **193.525**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N |
| 80 01 21 1130 | | | .3 | 1 | 11100 | | 519.000 | 0.5 | 7.0 | 1.0 | 0.020 | 0.012 | 0.01 < | 0.31 |
| 80 02 25 1145 | | | .3 | 1 | 11102 | 4 | 512.000 | 0.0 | 8.0 | 0.4 | 0.025 | 0.013 | 0.010< | 0.270 |
| 80 03 31 1045 | | | .3 | 1 | 11104 | | 492.000 | 1.0 | 11.0 | 0.8 | 0.020 | 0.004 | 0.010< | 0.370 |
| 80 04 28 1015 | | | 3 | 1 | 11106 | | 505.000 | 6.0 | 10.0 | 0.6 | 0.028 | 0.006 | 0.010 | 0.320 |
| 80 05 20 1100 | | | .3 | 1 | 11108 | | 190.000 | 12.5 | 11.8 | 0.8 | 0.022 | 0.004 | 0.030 | 0.580 |
| 80 06 09 1030 | | | .3 | 1 | 11110 | | 183.000 | 16.5 | 9.8 | 0.6 | 0.041 | 0.014 | 0.020 | 0.510 |
| 80 07 29 1030 | | | 3 | 1 | 11112 | | 181.000 | 15.5 | 8.5 | 0.8 | 0.034 | 0.007 | 0.060 | 0.560 |
| 80 08 25 1045 | | | .3 | 1 | 11114 | | 170.000 | 18.0 | 8.2 | 0.4 | 0.023 | 0.008 | 0.06 | 0.49 |
| 80 09 22 1100 | | | .3 | 1 | 11116 | | 192.000 | 12.5 | 19.8 | 1.0 | 0.027 | 0.008 | 0.020 | 0.420 |
| 80 10 20 1000 | | | .3 | 1 | 11118 | | 319.000 | 6.0 | 12.4 | 0.4 | 0.029 | 0.008 | 0.010 | 0.390 |
| 80 11 17 1030 | | | .3 | 1 | 11120 | | 336.000 | 0.5 | 14.6 | 0.6 | 0.026 | 0.006 | 0.010 | 0.390 |
| 80 12 16 1115 | | | .3 | 1 | 11122 | | 298.000 | 0.5 | 14.0 | 0.4 | 0.025 | 0.009 | 0.010< | 0.280 |
| **MAXIMUM** | | | | | | | **519.000** | **18.0** | **19.8** | **1.0** | **0.041** | **0.014** | **0.06** | **0.580** |
| **ARITH MEAN** | | | | | | | **324.750** | **7.4** | **11.3** | **0.6** | **0.027** | **0.008** | **0.02 L** | **0.40** |
| **GEOM MEAN** | | | | | | | **294.933** | **3.4** | **10.8** | **0.6** | **0.026** | **0.008** | **0.01 L** | **0.39** |
| **MINIMUM** | | | | | | | **170.000** | **0.0** | **7.0** | **0.4** | **0.020** | **0.004** | **0.01 <** | **0.270** |
| **STD DEV** | | | | | | | **146.044** | **7.1** | **3.6** | **0.2** | **0.006** | **0.003** | **0.01 L** | **0.10** |
| **NO OF SAMPLES** | | | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 01 21 1130 | | | .3 | 1 | 0.002 | 0.08 | 0.092 | 0.300 | 0.392 | 75 | 2 | 84 | 3.5 | 0.6 |
| 80 02 25 1145 | | | .3 | 1 | 0.002 | 0.090 | 0.102 | 0.260 | 0.362 | 50.00 | 2.00 | 82.0 | 2.50 | 0.400 |
| 80 03 31 1045 | | | .3 | 1 | 0.004 | 0.050 | 0.064 | 0.360 | 0.424 | 70.00 | 4.00 | 83.0 | 2.40 | 0.400 |
| 80 04 28 1015 | | | .3 | 1 | 0.003 | 0.060 | 0.073 | 0.310 | 0.383 | 90.00 | 5.00 | 80.0 | 2.80 | 0.600 |
| 80 05 20 1100 | | | 3 | 1 | 0.003 | 0.010< | 0.043 | 0.550 | 0.593 | 70.00 | 5.00 | 84.0 | 2.20 | 1.000 |
| 80 06 09 1030 | | | .3 | 1 | 0.004 | 0.030 | 0.054 | 0.490 | 0.544 | 140.00 | | 80.0 | 5.10 | 0.600 |
| 80 07 29 1030 | | | 3 | 1 | 0.003 | 0.010< | 0.073 | 0.500 | 0.573 | 100.00 | 10.00 | 85.0 | 4.10 | 0.500 |
| 80 08 25 1045 | | | 3 | 1 | 0.004 | 0.01 < | 0.074 | 0.430 | 0.504 | 85 | 5 | 88 | 4.4 | 0.5 |
| 80 09 22 1100 | | | .3 | 1 | 0.001 | 0.050 | 0.071 | 0.400 | 0.471 | 100.00 | 10.00 | 88.0 | 6.00 | 0.400 |
| 80 10 20 1000 | | | .3 | 1 | 0.003 | 0.010< | 0.023 | 0.380 | 0.403 | 90.00 | 9.00 | 86.0 | 7.00 | 0.400 |
| 80 11 17 1030 | | | 3 | 1 | 0.004 | 0.030 | 0.044 | 0.380 | 0.424 | 60.00 | 4.00 | 89.0 | 5.50 | 0.500 |
| 80 12 16 1115 | | | 3 | 1 | 0.003 | 0.050 | 0.063 | 0.270 | 0.333 | 80.00 | 3.00 | 92.0 | 5.00 | 0.500 |
| **MAXIMUM** | | | | | **0.004** | **0.090** | **0.102** | **0.550** | **0.593** | **140.00** | **10.00** | **92.0** | **7.00** | **1.000** |
| **ARITH MEAN** | | | | | **0.003** | **0.04 L** | **0.065** | **0.386** | **0.460** | **84** | **5** | **85** | **4.2** | **0.5** |
| **GEOM MEAN** | | | | | **0.003** | **0.03 L** | **0.061** | **0.376** | **0.443** | **81** | **4** | **85** | **3.9** | **0.5** |
| **MINIMUM** | | | | | **0.001** | **0.010<** | **0.023** | **0.260** | **0.333** | **50.00** | **2** | **80.0** | **2.20** | **0.400** |
| **STD DEV** | | | | | **0.001** | **0.02 L** | **0.022** | **0.093** | **0.086** | **23** | **2** | **3** | **1.5** | **0.1** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **11** | **12** | **12** | **12** |

| TEST-NAME: | | | | | SSO4UR | ACDT | ALKT | PH | FWPH | FEUT | HARDT | COLAP | ASUT | HGUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L. AS HG |
| 80 01 21 1130 | | | 3 | 1 | 1.4 | 1 | 37 | 7.2 | 7.0 | 0.24 | 39 | 40 | 0.001 | 0.05 < |
| 80 02 25 1145 | | | .3 | 1 | 2.000 | 3.000 | 39.0 | 7.20 | 7.0 | 0.160 | 40.000 | 30.000 | 0.002 | 0.050< |
| 80 03 31 1045 | | | .3 | 1 | 1.800 | 2.000 | 38.0 | 7.10 | 6.9 | 0.240 | 38.000 | 30.000 | 0.003 | 0.050< |
| 80 04 28 1015 | | | 3 | 1 | 3.500 | 2.000 | 36.0 | 6.90 | 7.0 | 0.270 | 36.000 | 50.000 | 0.006 | 0.050< |
| 80 05 20 1100 | | | .3 | 1 | 5.000 | 2.000 | 37.0 | 7.20 | 7.2 | 0.350 | 35.000 | 51.000 | 0.004 | 0.050< |
| 80 06 09 1030 | | | 3 | 1 | 18.000 | 2.000 | 35.0 | 7.40 | 7.1 | 0.560 | 36.000 | 66.000 | 0.004 | 0.050< |
| 80 07 29 1030 | | | .3 | 1 | 2.800 | 1.000 | 37.0 | 7.50 | | 1.000 | 38.000 | 49.000 | 0.004 | 0.530 |
| 80 08 25 1045 | | | .3 | 1 | 2.5 | 1 | 38 | 6.8 | 7.3 | 0.34 | 42 | 48 | 0.002 | 0.090 |
| 80 09 22 1100 | | | .3 | 1 | 3.800 | 1.000 | 41.0 | 7.40 | 7.2 | 0.440 | 46.000 | 48.000 | 0.003 | 0.160 |
| 80 10 20 1000 | | | 3 | 1 | 2.800 | 1.000 | 40.0 | 7.60 | 7.1 | 0.770 | 40.000 | 60.000 | 0.001< | 0.050< |
| 80 11 17 1030 | | | .3 | 1 | 2.500 | 2.000 | 41.0 | 7.50 | 6.9 | 0.440 | 40.000 | 51.000 | 0.004 | 0.390 |
| 80 12 16 1115 | | | 3 | 1 | 2.500 | 3.000 | 42.0 | 7.40 | 7.1 | 0.40 | 42.000 | 38.000 | 0.001 | 0.09 |
| **MAXIMUM** | | | | | **18.000** | **3.000** | **42.0** | **7.60** | **7.3** | **1.000** | **46.000** | **66.000** | **0.006** | **0.530** |
| **ARITH MEAN** | | | | | **4.0** | **1** | **38** | **7.2** | **7.1** | **0.43** | **39** | **46** | **0.003L** | **0.13 L** |
| **GEOM MEAN** | | | | | **3.0** | **1** | **38** | **7.2** | **7.1** | **0.38** | **39** | **45** | **0.002L** | **0.08 L** |
| **MINIMUM** | | | | | **1.4** | **1** | **35.0** | **6.8** | **6.9** | **0.160** | **35.000** | **30.000** | **0.001<** | **0.05 <** |
| **STD DEV** | | | | | **4.4** | **0** | **2** | **0.2** | **0.1** | **0.24** | **3** | **10** | **0.002L** | **0.15 L** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **11** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 01 21 1130 | | | .3 | 1 | | 0.001< | 0.003 | 0.001< | 0.001 | | 0.001< | 0.001< | 0.01 < |
| 80 02 25 1145 | | | .3 | 1 | | 0.006 | 0.004 | 0.001< | 0.003 | 0.005 | 0.004 | 0.001< | 0.010< |
| 80 03 31 1045 | | | .3 | 1 | | 0.014 | 0.002 | 0.001< | 0.006 | | 0.001 | 0.001< | 0.01 < |
| 80 04 28 1015 | | | 3 | 1 | 0.002 | 0.074 | 0.001 | 0.001< | 0.035 | 0.010 | 0.002 | 0.001< | 0.010< |
| 80 05 20 1100 | | | .3 | 1 | 0.003 | 0.005 | 0.007 | 0.001 | 0.007 | 0.010 | 0.006 | 0.001< | 0.010< |
| 80 06 09 1030 | | | 3 | 1 | | 0.003 | 0.003 | 0.001 | 0.004 | 0.011 | 0.004 | 0.001< | 0.01 < |
| 80 07 29 1030 | | | 3 | 1 | 0.001< | 0.021 | 0.001< | 0.001< | 0.045 | | 0.006 | 0.001 | 0.010< |
| 80 08 25 1045 | | | 3 | 1 | | 0.001< | 0.004 | 0.001< | 0.004 | 0.011 | 0.007 | 0.001< | 0.010< |
| 80 09 22 1100 | | | 3 | 1 | 0.003 | 0.001 | 0.001 | 0.001< | 0.004 | 0.014 | 0.001 | 0.001< | 0.010< |
| 80 10 20 1000 | | | 3 | 1 | | 0.006 | 0.003 | 0.001 | 0.008 | 0.018 | 0.004 | 0.001 | 0.010< |
| 80 11 17 1030 | | | 3 | 1 | 0.001< | 0.015 | 0.001 | 0.001 | 0.012 | 0.005 | 0.001 | 0.001< | 0.001< |
| 80 12 16 1115 | | | 3 | 1 | 0.002 | 0.005 | 0.006 | 0.001< | 0.008 | 0.010 | 0.004 | 0.001 | 0.010< |
| **MAXIMUM** | | | | | **0.003** | **0.074** | **0.007** | **0.001** | **0.045** | **0.018** | **0.007** | **0.001** | **0.010** |
| **ARITH MEAN** | | | | | **0.002L** | **0.013L** | **0.003L** | **0.001L** | **0.011** | **0.010** | **0.003L** | **0.001L** | **0.00 L** |
| **GEOM MEAN** | | | | | **0.002L** | **0.006L** | **0.002L** | **0.001L** | **0.007** | **0.010** | **0.003L** | **0.001L** | **0.00 L** |
| **MINIMUM** | | | | | **0.001<** | **0.001<** | **0.001<** | **0.001<** | **0.001** | **0.005** | **0.001<** | **0.001<** | **0.001<** |
| **STD DEV** | | | | | **0.001L** | **0.020L** | **0.002L** | **0.000L** | **0.014** | **0.004** | **0.002L** | **0.000L** | **0.00 L** |
| **NO OF SAMPLES** | | | | | **6** | **12** | **12** | **12** | **12** | **9** | **12** | **12** | **12** |

SAMPLE INFORMATION SYSTEM　　1980 WATER QUALITY DATA　　DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **TROUTLAKE RIVER**
SAMPLE POINT: **AT HIGHWAY NO 105**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE**
MINOR BASIN: **LAKE WINNIPEG EAST WINNIPEG**
TERM STREAM: **ENGLISH RIVER**

STATION ID: **19-0001-008-02**
STORET CODE: **05**
**001**
**1980**

LAT:　LONG:　U T M **15 0470080.0 5630060.0 4**　REGION: **06**　DISTANCE: **233.349**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 01 21 1315 | | | .3 | 1 | 11101 | 4 | 0.5 | 7.0 | 1.0 | 0.009 | 0.001 | 0.01 | 0.34 | 0.001 |
| 80 02 25 1230 | | | .3 | 1 | 11103 | 4 | 0.0 | 7.0 | 1.4 | 0.010 | 0.002 | 0.030 | 0.640 | 0.003 |
| 80 03 31 1145 | | | .3 | 1 | 11105 | 4 | 0.5 | 12.0 | 5.0 | 0.110 | 0.018 | 0.010< | 1.000 | 0.013 |
| 80 04 28 1130 | | | .3 | 1 | 11107 | | 5.0 | 10.0 | 0.8 | 0.034 | 0.006 | 0.030 | 0.490 | 0.004 |
| 80 05 20 1230 | | | .3 | 1 | 11109 | | 16.5 | 9.1 | 0.8 | 0.026 | 0.004 | 0.020 | 0.480 | 0.004 |
| 80 06 09 1115 | | | .3 | 1 | 11111 | | 16.0 | 9.2 | 0.6 | 0.048 | 0.005 | 0.010 | 0.580 | 0.004 |
| 80 07 29 1140 | | | .3 | 1 | 11113 | | 14.0 | 7.8 | 0.8 | 0.017 | 0.003 | 0.040 | 0.440 | 0.002 |
| 80 08 25 1130 | | | .3 | 1 | 11115 | | 18.0 | 8.6 | 0.2 | 0.032 | 0.002 | 0.05 | 0.53 | 0.002 |
| 80 09 22 1215 | | | .3 | 1 | 11117 | | 10.0 | 9.8 | 1.0 | 0.020 | 0.002 | 0.030 | 0.370 | 0.001 |
| 80 10 20 1100 | | | .3 | 1 | 11119 | | 5.0 | 12.2 | 0.8 | 0.024 | 0.003 | 0.040 | 0.490 | 0.005 |
| 80 11 17 1130 | | | .3 | 1 | 11121 | | 0.0 | 15.0 | 1.8 | 0.022 | 0.002 | 0.030 | 0.550 | 0.004 |
| 80 12 16 1300 | | | .3 | 1 | 11123 | 4 | 0.5 | 11.0 | 0.6 | 0.009 | 0.001< | 0.030 | 0.310 | 0.003 |
| MAXIMUM | | | | | | | **18.0** | **15.0** | **5.0** | **0.110** | **0.018** | **0.05** | **1.000** | **0.013** |
| ARITH MEAN | | | | | | | **7.2** | **9.9** | **1.2** | **0.030** | **0.004L** | **0.02 L** | **0.51** | **0.004** |
| GEOM MEAN | | | | | | | **3.4** | **9.6** | **0.9** | **0.023** | **0.003L** | **0.02 L** | **0.49** | **0.003** |
| MINIMUM | | | | | | | **0.0** | **7.0** | **0.2** | **0.009** | **0.001<** | **0.01 <** | **0.310** | **0.001** |
| STD DEV | | | | | | | **7.3** | **2.4** | **1.3** | **0.028** | **0.005L** | **0.01 L** | **0.18** | **0.003** |
| NO OF SAMPLES | | | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | COND25 | TURB | CLIDUR | SSO4UR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 |
| 80 01 21 1315 | | | .3 | 1 | 0.03 | 0.041 | 0.330 | 0.371 | 70 | 1 | 86 | 1.4 | 0.6 | 1.9 |
| 80 02 25 1230 | | | .3 | 1 | 0.070 | 0.103 | 0.610 | 0.713 | 70.00 | 1.00 | 88.0 | 1.10 | 1.000 | 2.100 |
| 80 03 31 1145 | | | .3 | 1 | 0.240 | 0.263 | 0.990 | 1.253 | 90.00 | 25.00 | 133.0 | | | 2.100 |
| 80 04 26 1130 | | | .3 | 1 | 0.060 | 0.094 | 0.460 | 0.554 | 100.00 | 5.00 | 75.0 | 5.10 | 0.700 | 3.100 |
| 80 05 20 1230 | | | .3 | 1 | 0.010< | 0.034 | 0.460 | 0.494 | 95.00 | 10.00 | 92.0 | 4.60 | 0.700 | 5.500 |
| 80 06 09 1115 | | | .3 | 1 | 0.010 | 0.024 | 0.570 | 0.594 | 80.0 | 15.0 | 92.0 | 5.40 | 0.600 | |
| 80 07 29 1140 | | | .3 | 1 | 0.010< | 0.052 | 0.400 | 0.452 | 110.00 | 5.00 | 94.0 | 3.60 | 0.500 | 3.200 |
| 80 08 25 1130 | | | .3 | 1 | 0.01 < | 0.062 | 0.480 | 0.542 | 100 | 5 | 102 | 4.3 | 0.6 | 3.5 |
| 80 09 22 1215 | | | .3 | 1 | 0.010< | 0.041 | 0.340 | 0.381 | 120.00 | 10.00 | 100.0 | 5.50 | 0.500 | 5.500 |
| 80 10 20 1100 | | | .3 | 1 | 0.010 | 0.055 | 0.450 | 0.505 | 100.00 | 8.00 | 101.0 | 5.10 | 0.600 | 4.500 |
| 80 11 17 1130 | | | .3 | 1 | 0.040 | 0.074 | 0.520 | 0.594 | 90.00 | 5.00 | 100.0 | 3.50 | 0.900 | 4.500 |
| 80 12 16 1300 | | | .3 | 1 | 0.020 | 0.053 | 0.280 | 0.333 | 70.00 | 1.00 | 98.0 | 1.50 | 0.500 | 2.700 |
| MAXIMUM | | | | | **0.240** | **0.263** | **0.990** | **1.253** | **120.00** | **25.00** | **133.0** | **5.50** | **1.000** | **5.500** |
| ARITH MEAN | | | | | **0.04 L** | **0.075** | **0.491** | **0.585** | **91** | **7** | **98** | **3.7** | **0.6** | **3.5** |
| GEOM MEAN | | | | | **0.02 L** | **0.061** | **0.465** | **0.531** | **89** | **4** | **95** | **3.2** | **0.6** | **3.2** |
| MINIMUM | | | | | **0.010<** | **0.024** | **0.280** | **0.333** | **70** | **1** | **75.0** | **1.10** | **0.500** | **1.9** |
| STD DEV | | | | | **0.06 L** | **0.064** | **0.185** | **0.242** | **16** | **6** | **13** | **1.6** | **0.1** | **1.3** |
| NO OF SAMPLES | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **11** | **11** | **11** |

| TEST-NAME: | | | | | ACDT | ALKT | PH | FWPH | FEUT | HARDT | COLAP | ASUT | HGUT | ALUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL |
| 80 01 21 1315 | | | .3 | 1 | 2 | 36 | 7.2 | 6.9 | 0.14 | 37 | 20 | 0.001 | 0.05 < | 0.006 |
| 80 02 25 1230 | | | .3 | 1 | 3.000 | 39.0 | 7.20 | 6.9 | 0.160 | 33.000 | 15.000 | 0.001 | 0.050< | |
| 80 03 31 1145 | | | .3 | 1 | 2.000 | 29.0 | 7.00 | 6.9 | 1.900 | 33.000 | 70.000> | 0.008 | 0.050< | |
| 80 04 28 1130 | | | .3 | 1 | 3.000 | 33.0 | 6.90 | 6.9 | 0.530 | 33.000 | 70.000> | 0.003 | 0.050 | |
| 80 05 20 1230 | | | .3 | 1 | 2.000 | 39.0 | 7.30 | 7.2 | 0.670 | 40.000 | 94.000 | 0.003 | 0.050 | |
| 80 06 09 1115 | | | .3 | 1 | 2.000 | 38.0 | 7.50 | 7.2 | 0.630 | 40.000 | 56.000 | 0.003 | 0.110 | |
| 80 07 29 1140 | | | .3 | 1 | 1.000 | 40.0 | 7.30 | 8.5 | 0.250 | 42.000 | 41.000 | 0.001< | 0.780 | |
| 80 08 25 1130 | | | .3 | 1 | 1 | 43 | 7.3 | 7.5 | 0.34 | 46 | 45 | 0.001< | 0.180 | |
| 80 09 22 1215 | | | .3 | 1 | 1.000 | 47.0 | 7.50 | 7.2 | 0.440 | 46.000 | 63.000 | 0.004 | 0.050 | |
| 80 10 20 1100 | | | .3 | 1 | 1.000 | 45.0 | 7.50 | 7.1 | 0.550 | 46.000 | 107.000 | 0.001< | | |
| 80 11 17 1130 | | | .3 | 1 | 2.000 | 43.0 | 7.40 | 6.9 | 0.300 | 44.000 | 82.000 | 0.001 | 0.230 | |
| 80 12 16 1300 | | | .3 | 1 | 4.000 | 43.0 | 7.30 | 7.0 | 0.20 | 44.000 | 53.000 | 0.001 | 0.21 | |
| MAXIMUM | | | | | **4.000** | **47.0** | **7.50** | **8.5** | **1.900** | **46** | **107.000>** | **0.008** | **0.780** | **0.006** |
| ARITH MEAN | | | | | **2** | **39** | **7.2** | **7.2** | **0.50** | **40** | **59 G** | **0.002L** | **0.16 L** | **0.006** |
| GEOM MEAN | | | | | **1** | **39** | **7.2** | **7.2** | **0.38** | **40** | **52 G** | **0.002L** | **0.10 L** | |
| MINIMUM | | | | | **1.000** | **29.0** | **6.90** | **6.9** | **0.14** | **33.000** | **15.000** | **0.001<** | **0.05 <** | **0.006** |
| STD DEV | | | | | **0** | **5** | **0.1** | **0.5** | **0.47** | **5** | **27 G** | **0.002L** | **0.21 L** | |
| NO OF SAMPLES | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **11** | **1** |

| TEST-NAME: | | | | | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 01 21 1315 | | | .3 | 1 | 0.002 | 0.011 | 0.003 | 0.001< | 0.003 | | 0.001 | 0.001< | |
| 80 02 25 1230 | | | .3 | 1 | | 0.003 | 0.002 | 0.001< | 0.003 | 0.008 | 0.002 | 0.001< | |
| 80 03 31 1145 | | | .3 | 1 | | 0.010 | 0.080 | 0.001 | 0.047 | | 0.004 | 0.001 | |
| 80 04 28 1130 | | | .3 | 1 | 0.001 | 0.005 | 0.001< | 0.001< | 0.004 | 0.039 | 0.001 | 0.001< | |
| 80 05 20 1230 | | | .3 | 1 | 0.004 | 0.013 | 0.003 | 0.001 | 0.015 | 0.013 | 0.009 | 0.001 | |
| 80 06 09 1115 | | | .3 | 1 | | 0.003 | 0.012 | 0.001 | 0.008 | 0.016 | 0.001 | 0.001 | |
| 80 07 29 1140 | | | .3 | 1 | 0.001< | 0.004 | 0.001< | 0.001< | 0.003 | | 0.002 | 0.001 | 0.010< |
| 80 08 25 1130 | | | .3 | 1 | | 0.010 | 0.005 | 0.001< | 0.006 | 0.012 | 0.004 | 0.001< | |
| 80 09 22 1215 | | | .3 | 1 | 0.003 | 0.001< | | | | | | | |
| 80 11 17 1130 | | | .3 | 1 | 0.001 | 0.001< | 0.005 | 0.001 | 0.005 | 0.011 | 0.001< | 0.001 | 0.001< |
| 80 12 16 1300 | | | .3 | 1 | 0.001 | 0.001 | 0.001 | 0.001< | 0.005 | 0.009 | 0.001< | 0.001 | |
| MAXIMUM | | | | | **0.004** | **0.013** | **0.080** | **0.001** | **0.047** | **0.039** | **0.009** | **0.001** | **0.010** |
| ARITH MEAN | | | | | **0.002L** | **0.006L** | **0.011L** | **0.001L** | **0.010** | **0.015** | **0.003L** | **0.001L** | **0.005L** |
| GEOM MEAN | | | | | **0.002L** | **0.004L** | **0.004L** | **0.001L** | **0.006** | **0.013** | **0.002L** | **0.001L** | **0.003L** |
| MINIMUM | | | | | **0.001<** | **0.001<** | **0.001<** | **0.001<** | **0.003** | **0.008** | **0.001<** | **0.001<** | **0.001<** |
| STD DEV | | | | | **0.001L** | **0.006L** | **0.024L** | **0.000L** | **0.014** | **0.011** | **0.003L** | **0.000L** | **0.006L** |
| NO OF SAMPLES | | | | | **7** | **11** | **10** | **10** | **10** | **7** | **10** | **10** | **2** |

B.O.W./SITE: **RAINY RIVER**
SAMPLE POINT: **DNSTR.FROM CONFLUFNCE WITH BAUDETTE R.**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE**
MINOR BASIN: **LAKE WINNIPEG EAST RAINY RI**

STATION ID: **19-0001-009-02**
STORET CODE: **05**
**001**

LAT LONG: U T M: **15 0382950.0 5397300.0 4** REGION: **06** DISTANCE: **225.946**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 07 1305 | | | .3 | 1 | 11307 | 4 | 100 | 850 | 2900 | 20 | 0.0 | 12.0 | 0.4 | 0.025 |
| 80 02 04 1240 | | | .3 | 1 | 11314 | 4 | 1300 | 70000 | 1300 | 16 | 0.0 | 12.0 | 1.6 | 0.027 |
| 80 03 03 1200 | | | .3 | 1 | 11322 | 4 | 1200C | 250000 | 4700 | 4< | 0.0 | 12.0 | 2.0 | 0.047 |
| 80 04 14 1410 | | | .3 | 1 | 11330 | 6 | 70 | 1920 | 10I | | 1.5 | 12.0 | 0.8 | 0.061 |
| 80 05 13 1200 | | | .3 | 1 | 11339 | 6 | 24 | 920 | 60 | | 10.0 | 11.4 | 0.8 | 0.022 |
| 80 06 09 1515 | | | .3 | 1 | 11347 | 6 | 220 | 10000 | 52 | | 20.0 | 9.0 | 0.8 | 0.089 |
| 80 07 08 1440 | | | .3 | 1 | 11355 | 6 | 100C | 54000 | 12 | | 25.0 | 8.2 | 0.2 | 0.079 |
| 80 08 05 1315 | | | .3 | 1 | 11363 | 6 | | | | | 25.0 | 7.4 | 1.0 | 0.045 |
| 80 09 17 1120 | | | .3 | 1 | 11371 | 6 | 600I | 15800 | 52 | | 14.0 | 10.6 | 0.6 | 0.068 |
| 80 10 14 1140 | | | .3 | 1 | 11379 | | | | | | 7.8 | 10.5 | 1.2 | 0.078 |
| 80 11 04 1015 | | | .3 | 1 | 11387 | | 3000 | 3400 | 1500> | | 2.5 | 12.8 | 0.8 | 0.048 |
| 80 12 03 1030 | | | .3 | 1 | 11395 | | 6000 | 9100 | 15000> | | 0.0 | 13.2 | 0.7 | 0.020 |
| MAXIMUM | | | | | | | **6000** | **250000** | **15000>** | **20** | **25.0** | **13.2** | **2.0** | **0.089** |
| ARITH MEAN | | | | | | | **1261** | **41599** | **2559G** | **13L** | **8.8** | **10.9** | **0.9** | **0.051** |
| GEOM MEAN | | | | | | | **380** | **9641** | **308G** | **11L** | **4.4** | **10.8** | **0.8** | **0.045** |
| MINIMUM | | | | | | | **24** | **850** | **10** | **4<** | **0.0** | **7.4** | **0.2** | **0.020** |
| STD DEV | | | | | | | **1905** | **77072** | **4643G** | **8L** | **9.9** | **1.8** | **0.5** | **0.024** |
| NO OF SAMPLES | | | | | | | **10** | **10** | **10** | **3** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | PPO4FR | RST | RSP | COND25 | TURB | CLIDUR | ALKT | PH | FWPH | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE |
| 80 01 07 1305 | | | .3 | 1 | 0.003 | 100.00 | 5.00 | 87.0 | 1.70 | 3.500 | 30 | 7.00 | 7.0 | |
| 80 02 04 1240 | | | .3 | 1 | 0.001 | 85.00 | 5.00 | 86.0 | 1.60 | 4.100 | 28.0 | 7.10 | 6.9 | 0.150 |
| 80 03 03 1200 | | | .3 | 1 | 0.001 | 80.00 | 10.00 | 88.0 | 1.30 | 4.000 | 31.0 | 6.80 | 6.9 | |
| 80 04 14 1410 | | | .3 | 1 | 0.019 | 120.00 | 10.00 | 124.0 | 4.70 | 4.000 | 47.0 | 7.20 | 6.9 | |
| 80 05 13 1200 | | | .3 | 1 | 0.004 | 130 | 10.0 | 114 | 2.7 | 5.300 | 42.0 | 7.4 | 7.2 | |
| 80 06 09 1515 | | | .3 | 1 | 0.016 | 100.00 | 40.00 | 126.0 | 4.90 | 8.400 | 38.0 | 7.20 | 7.1 | 0.270 |
| 80 07 08 1440 | | | .3 | 1 | 0.013 | 140.00 | 35.00 | 120.0 | 1.70 | 7.500 | 39.0 | 7.30 | 7.4 | |
| 80 08 05 1315 | | | .3 | 1 | 0.011 | 110.00 | 15.00 | 122.0 | 2.70 | 10.000 | 34.0 | 7.20 | 7.1 | 1.000 |
| 80 09 17 1120 | | | .3 | 1 | 0.025 | 170.00 | 30.00 | 133.0 | 5.90 | 5.900 | 48.0 | 7.70 | 7.2 | 1.000 |
| 80 10 14 1140 | | | .3 | 1 | 0.018 | 190.00 | 20.00 | 140.0 | 15.00 | 8.100 | 45.0 | 7.50 | | |
| 80 11 04 1015 | | | .3 | 1 | 0.010 | 110.00 | 20.00 | 124.0 | 5.50 | 6.900 | 41.0 | 7.40 | 7.6 | |
| 80 12 03 1030 | | | .3 | 1 | 0.004 | 70.00 | 4.00 | 91.0 | 2.60 | 4.100 | 30.0 | 7.20 | 6.7 | 0.250 |
| MAXIMUM | | | | | **0.025** | **190.00** | **40.00** | **140.0** | **15.00** | **10.000** | **48.0** | **7.70** | **7.6** | **1.000** |
| ARITH MEAN | | | | | **0.010** | **117** | **17.0** | **112** | **4.1** | **5.983** | **37** | **7.2** | **7.1** | **0.534** |
| GEOM MEAN | | | | | **0.007** | **112** | **13.0** | **111** | **3.2** | **5.640** | **37** | **7.2** | **7.1** | **0.399** |
| MINIMUM | | | | | **0.001** | **70.00** | **4.00** | **86.0** | **1.30** | **3.500** | **28.0** | **6.80** | **6.7** | **0.150** |
| STD DEV | | | | | **0.008** | **35** | **12.2** | **19** | **3.7** | **2.157** | **7** | **0.2** | **0.3** | **0.428** |
| NO OF SAMPLES | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **11** | **5** |

| TEST-NAME: | | | | | HARDT | COLAP | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | HARDNESS TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN |
| 80 01 07 1305 | | | .3 | 1 | 31.000 | 40.000 | | | | | | | | |
| 80 02 04 1240 | | | .3 | 1 | 29.000 | 40.000 | 0.001< | 0.050< | 0.003 | 0.006 | 0.004 | 0.001< | 0.034 | 0.020 |
| 80 03 03 1200 | | | .3 | 1 | 31.000 | 40.000 | | | | | | | | |
| 80 04 14 1410 | | | .3 | 1 | 53.000 | 70 > | | | | | | | | |
| 80 05 13 1200 | | | .3 | 1 | 51.000 | 60 | | | | | | | | |
| 80 06 09 1515 | | | .3 | 1 | 47.000 | 53.000 | 0.001 | 0.050< | 0.003 | 0.003 | 0.005 | 0.001 | 0.008 | 0.064 |
| 80 07 08 1440 | | | .3 | 1 | 52.000 | 30.000 | | | | | | | | |
| 80 08 05 1315 | | | .3 | 1 | 42.000 | 94.000 | | | | | | | | |
| 80 09 17 1120 | | | .3 | 1 | 58.000 | 152.000 | 0.002 | 0.050< | 0.002 | 0.010 | 0.001< | 0.001 | 0.005 | 0.050 |
| 80 10 14 1140 | | | .3 | 1 | 54.000 | 191.000 | | | | | | | | |
| 80 11 04 1015 | | | .3 | 1 | 57.000 | 178.000 | | | | | | | | |
| 80 12 03 1030 | | | .3 | 1 | 34.000 | 70.000 | 0.001< | 0.050< | 0.028 | 0.001 | 0.006 | 0.001 | 0.014 | 0.020 |
| MAXIMUM | | | | | **58.000** | **191.000>** | **0.002** | **0.050** | **0.028** | **0.010** | **0.006** | **0.001** | **0.034** | **0.064** |
| ARITH MEAN | | | | | **44.917** | **84 G** | **0.001L** | **0.050L** | **0.009** | **0.005** | **0.004L** | **0.001L** | **0.015** | **0.038** |
| GEOM MEAN | | | | | **43.580** | **70 G** | **0.001L** | **0.050L** | **0.005** | **0.004** | **0.003L** | **0.001L** | **0.012** | **0.034** |
| MINIMUM | | | | | **29.000** | **30.000** | **0.001<** | **0.050<** | **0.002** | **0.001** | **0.001<** | **0.001<** | **0.005** | **0.020** |
| STD DEV | | | | | **10.975** | **56 G** | **0.000L** | **0.000L** | **0.013** | **0.004** | **0.002L** | **0.000L** | **0.013** | **0.022** |
| NO OF SAMPLES | | | | | **12** | **12** | **4** | **4** | **4** | **4** | **4** | **4** | **4** | **4** |

| TEST-NAME: | | | | | NIUT | COUT |
|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 02 04 1240 | | | .3 | 1 | 0.001< | 0.001< |
| 80 06 09 1515 | | | .3 | 1 | 0.005 | 0.001 |
| 80 09 17 1120 | | | .3 | 1 | 0.002 | 0.001< |
| 80 12 03 1030 | | | .3 | 1 | 0.001< | 0.001< |
| MAXIMUM | | | | | **0.005** | **0.001** |
| ARITH MEAN | | | | | **0.002L** | **0.001L** |
| GEOM MEAN | | | | | **0.002L** | **0.001L** |
| MINIMUM | | | | | **0.001<** | **0.001<** |
| STD DEV | | | | | **0.002L** | **0.000L** |
| NO OF SAMPLES | | | | | **4** | **4** |

B.O.W./ SITE: **RAINY RIVER**
SAMPLE POINT: **UPSTR.FROM CONFLUENCE WITH BAUDETTE R.**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE**
MINOR BASIN: **LAKE WINNIPEG EAST RAINY RI**

STATION ID: **19-0001-010-02**
STORET CODE: **05 001**

LAT: LONG: U T M: **15 0385600.0 5396850.0 4** REGION: **06** DISTANCE: **228.521**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 07 1330 | | | .3 | 1 | 11306 | 4 | 50I | 500 | 700I | 12 | 0.0 | 12.0 | 0.4 | 0.033 |
| 80 02 04 1330 | | | .3 | 1 | 11315 | 4 | 3600 | 13200 | 900 | 4< | 0.0 | 12.0 | 1.2 | 0.033 |
| 80 03 03 1330 | | | .3 | 1 | 11323 | 4 | 15000> | 100000> | 15000> | 8 | 0.0 | 10.0 | 0.8 | 0.033 |
| 80 04 14 1440 | | | .3 | 1 | 11331 | 6 | 110 | 2110 | 10< | | 1.5 | 11.0 | 1.0 | 0.071 |
| 80 05 13 1240 | | | .3 | 1 | 11338 | 6 | 50 | 7000 | 16 | | 9.5 | 9.7 | 0.6 | 0.023 |
| 80 06 09 1535 | | | .3 | 1 | 11346 | 6 | 190 | 4400 | 28 | | 20.0 | 8.0 | 0.6 | 0.061 |
| 80 07 08 1535 | | | .3 | 1 | 11354 | 6 | 100C | 73000 | 4< | | 25.0 | 7.7 | 0.4 | 0.050 |
| 80 08 05 1335 | | | .3 | 1 | 11362 | 6 | | | | | 25.0 | 6.7 | 0.6 | 0.048 |
| 80 09 17 1135 | | | .3 | 1 | 11370 | 6 | 110C | 6000 | 60 | | 15.5 | 9.5 | 1.0 | 0.066 |
| 80 10 14 1110 | | | .3 | 1 | 11378 | | | | | | 7.5 | 10.4 | 1.2 | 0.059 |
| 80 11 04 1000 | | | .3 | 1 | 11386 | | 3800 | 4500 | 1500> | | 2.5 | 13.4 | 0.2 | 0.036 |
| 80 12 03 1010 | | | 3 | 1 | 11394 | | 5500 | 12000 | 15000> | | 0.0 | 12.6 | 0.3 | 0.032 |
| **MAXIMUM** | | | | | | | **15000>** | **100000>** | **15000>** | **12** | **25.0** | **13.4** | **1.2** | **0.071** |
| **ARITH MEAN** | | | | | | | **2851G** | **22271G** | **3322B** | **8L** | **8.9** | **10.2** | **0.7** | **0.045** |
| **GEOM MEAN** | | | | | | | **480G** | **7955G** | **217B** | **7L** | **4.4** | **10.0** | **0.6** | **0.043** |
| **MINIMUM** | | | | | | | **50** | **600** | **4<** | **4<** | **0.0** | **6.7** | **0.2** | **0.023** |
| **STD DEV** | | | | | | | **4731G** | **34668G** | **6175B** | **4L** | **10.0** | **2.1** | **0.3** | **0.016** |
| **NO OF SAMPLES** | | | | | | | **10** | **10** | **10** | **3** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | PPO4FR | RST | RSP | COND25 | TURB | CLIDUR | ALKT | PH | FWPH | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE |
| 80 01 07 1330 | | | .3 | 1 | 0.004 | 95.00 | 15.00 | 90.0 | 2.40 | 3.900 | 31 | 7.10 | 6.9 | |
| 80 02 04 1330 | | | .3 | 1 | 0.001 | 95.00 | 5.00 | 80.0 | 2.10 | 3.000 | 28.0 | 7.10 | 6.9 | 0.300 |
| 80 03 03 1330 | | | .3 | 1 | 0.002 | 80.00 | 4.00 | 86.0 | 1.30 | 3.800 | 29.0 | 6.80 | 7.0 | |
| 80 04 14 1440 | | | .3 | 1 | 0.018 | 120.00 | 10.00 | 122.0 | 3.40 | 3.400 | 47.0 | 7.10 | 7.1 | |
| 80 05 13 1240 | | | .3 | 1 | 0.005 | 110.00 | 5.00 | 110.0 | 2.30 | 5.200 | 41.0 | 7.40 | 7.2 | |
| 80 06 09 1535 | | | .3 | 1 | 0.014 | 85.00 | 10.00 | 126.0 | 3.00 | 8.500 | 38.0 | 7.20 | 6.9 | |
| 80 07 08 1535 | | | .3 | 1 | 0.019 | 100.00 | 10.00 | 116.0 | 2.20 | 6.600 | 40.0 | 7.20 | 7.4 | |
| 80 08 05 1335 | | | .3 | 1 | 0.013 | 80.00 | 10.00 | 116.0 | 2.60 | 9.9 | 34.0 | 7.20 | 7.1 | |
| 80 09 17 1135 | | | .3 | 1 | 0.019 | 140.00 | 5.00 | 130.0 | 4.70 | 5.900 | 47.0 | 7.30 | 7.2 | 0.600 |
| 80 10 14 1110 | | | .3 | 1 | 0.014 | 130.00 | 8.00 | 130.0 | 4.90 | 8.500 | 41.0 | 7.40 | | |
| 80 11 04 1000 | | | 3 | 1 | 0.009 | 100.00 | 6.00 | 124.0 | 4.10 | 7.000 | 41.0 | 7.40 | 7.6 | |
| 80 12 03 1010 | | | 3 | 1 | 0.002 | 60.00 | 4.00 | 96.0 | 2.70 | 4.100 | 31.0 | 7.30 | 6.8 | 0.300 |
| **MAXIMUM** | | | | | **0.019** | **140.00** | **15.00** | **130.0** | **4.90** | **9.9** | **47.0** | **7.40** | **7.6** | **0.600** |
| **ARITH MEAN** | | | | | **0.010** | **99.58** | **7.67** | **110.5** | **2.97** | **5.8** | **37** | **7.21** | **7.1** | **0.400** |
| **GEOM MEAN** | | | | | **0.007** | **97.16** | **7.02** | **109.1** | **2.79** | **5.4** | **36** | **7.21** | **7.1** | **0.378** |
| **MINIMUM** | | | | | **0.001** | **60.00** | **4.00** | **80.0** | **1.30** | **3.000** | **28.0** | **6.80** | **6.8** | **0.300** |
| **STD DEV** | | | | | **0.007** | **22.71** | **3.39** | **17.9** | **1.10** | **2.2** | **6** | **0.17** | **0.2** | **0.173** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **11** | **3** |

| TEST-NAME: | | | | | HARDT | COLAP | MNUT |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | HARDNESS TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU | MANGANSE UNF.TOT. MG/L AS MN |
| 80 01 07 1330 | | | .3 | 1 | 35.000 | 40.000 | |
| 80 02 04 1330 | | | 3 | 1 | 31.000 | 30.000 | 0.013 |
| 80 03 03 1330 | | | .3 | 1 | 31.000 | 40.000 | |
| 80 04 14 1440 | | | 3 | 1 | 49.000 | 70.000> | |
| 80 05 13 1240 | | | 3 | 1 | 47.000 | 50.000 | |
| 80 06 09 1535 | | | 3 | 1 | 47.000 | 56.000 | |
| 80 07 08 1535 | | | 3 | 1 | 46.000 | 30.000 | |
| 80 08 05 1335 | | | .3 | 1 | 44.000 | 100.000 | |
| 80 09 17 1135 | | | .3 | 1 | 58.000 | 142.000 | 0.051 |
| 80 10 14 1110 | | | .3 | 1 | 50.000 | 176.000 | |
| 80 11 04 1000 | | | .3 | 1 | 53.000 | 169.000 | |
| 80 12 03 1010 | | | .3 | 1 | 36.000 | 76.000 | 0.006 |
| **MAXIMUM** | | | | | **58.000** | **176.000>** | **0.051** |
| **ARITH MEAN** | | | | | **43.917** | **81.583G** | **0.023** |
| **GEOM MEAN** | | | | | **43.072** | **67.571G** | **0.016** |
| **MINIMUM** | | | | | **31.000** | **30.000** | **0.006** |
| **STD DEV** | | | | | **8.754** | **53.209G** | **0.024** |
| **NO OF SAMPLES** | | | | | **12** | **12** | **3** |

SAMPLE INFORMATION SYSTEM — 1980 WATER QUALITY DATA — DATE OF REPORT: 29 AUG 81

|  |  |  |
|---|---|---|
| B.O.W./SITE: **RAINY RIVER**<br>SAMPLE POINT: **ABOVE EMO**<br>STATION TYPE: **RIVER** | MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE**<br>MINOR BASIN: **LAKE WINNIPEG EAST RAINY RI** | STATION ID: **19-0001-011-02**<br>STORET CODE: **05**<br>**001** |
| LAT: LONG: | U.T.M.: **15 0438550.0 5386000.0 4** | REGION: **06** DISTANCE: **308.608** |

| TEST-NAME: |  |  |  |  | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 07 1530 |  |  | .3 | 1 | 11304 | 4 | 70I | 2300 | 1000 | 48 | 0.0 | 11.0 | 0.4 | 0.026 |
| 80 02 04 1700 |  |  | .3 | 1 | 11312 |  | 290 | 14800 | 50 | 4 | 0.0 | 11.0 | 0.8 | 0.025 |
| 80 03 04 1030 |  |  | .3 | 1 | 11320 | 4 | 130 | 2700 | 350C | 20 | 0.0 | 11.0 | 0.8 | 0.021 |
| 80 04 15 1020 |  |  | .3 | 1 | 11328 | 6 | 100C | 3800 | 70C |  | 1.5 | 10.0 | 0.6 | 0.049 |
| 80 05 13 1350 |  |  | .3 | 1 | 11336 | 6 | 600 | 8300 | 2300 |  | 10.5 | 10.4 | 0.8 | 0.034 |
| 80 06 10 0930 |  |  | .3 | 1 | 11344 | 6 | 4200 | 7500 | 900 |  | 17.0 | 7.0 | 0.8 | 0.057 |
| 80 07 09 1130 |  |  | .3 | 1 | 11352 | 6 | 600I | 17000 | 900I |  | 22.0 | 5.1 | 0.6 | 0.053 |
| 80 08 05 1630 |  |  | .3 | 1 | 11360 | 6 |  |  |  |  | 24.0 | 5.3 | 1.0 | 0.041 |
| 80 09 17 1300 |  |  | .3 | 1 | 11368 | 6 | 540C | 6100 | 800I |  | 13.0 | 8.2 | 1.0 | 0.061 |
| 80 10 14 1320 |  |  | .3 | 1 | 11376 |  |  |  |  |  | 8.0 | 10.4 | 1.8 | 0.054 |
| 80 11 04 0845 |  |  | .3 | 1 | 11384 |  | 6900 | 4100 | 15000> |  | 4.0 | 12.5 | 1.0 | 0.040 |
| 80 12 03 0930 |  |  | .3 | 1 | 11392 |  | 2400C | 29000 | 55000 |  | 0.0 | 12.8 | 0.4 | 0.013 |
| **MAXIMUM** |  |  |  |  |  |  | **6900** | **29000** | **65000>** | **48** | **24.0** | **12.8** | **1.8** | **0.061** |
| **ARITH MEAN** |  |  |  |  |  |  | **1583** | **9560** | **7637G** | **24** | **8.3** | **9.6** | **0.8** | **0.039** |
| **GEOM MEAN** |  |  |  |  |  |  | **589** | **6963** | **1042G** | **16** | **4.4** | **9.2** | **0.8** | **0.036** |
| **MINIMUM** |  |  |  |  |  |  | **70** | **2300** | **50** | **4** | **0.0** | **5.1** | **0.4** | **0.013** |
| **STD DEV** |  |  |  |  |  |  | **2287** | **8441** | **17242G** | **22** | **8.9** | **2.6** | **0.4** | **0.016** |
| **NO OF SAMPLES** |  |  |  |  |  |  | **10** | **10** | **10** | **3** | **12** | **12** | **12** | **12** |

| TEST-NAME: |  |  |  |  | PPO4FR | RST | RSP | COND25 | TURB | CLIDUR | ALKT | PH | FWPH | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE |
| 80 01 07 1530 |  |  | .3 | 1 | 0.007 | 85.00 | 2.00 | 73.0 | 1.00 | 3.500 | 23 | 7.10 | 7.1 |  |
| 80 02 04 1700 |  |  | .3 | 1 | 0.007 | 65.00 | 2.00 | 67.0 | 1.30 | 2.900 | 22.000 | 7.10 | 6.8 | 0.092 |
| 80 03 04 1030 |  |  | .3 | 1 | 0.007 | 65.00 | 1.00 | 70.0 | 1.40 | 3.500 | 24.0 | 6.80 | 7.0 |  |
| 80 04 15 1020 |  |  | .3 | 1 | 0.014 | 95.00 | 10.00 | 87.0 | 3.40 | 3.600 | 31.0 | 7.00 | 6.8 |  |
| 80 05 13 1350 |  |  | .3 | 1 | 0.005 | 120.00 | 15.00 | 122.0 | 4.80 | 7.900 | 39.0 | 7.40 | 7.2 |  |
| 80 06 10 0930 |  |  | .3 | 1 | 0.022 | 90.00 | 10.00 | 123.0 | 3.40 | 9.000 | 36.0 | 6.80 | 7.0 | 0.420 |
| 80 07 09 1130 |  |  | .3 | 1 | 0.021 | 110.00 | 5.00 | 124.0 | 2.30 | 9.300 | 36.0 | 6.90 | 7.0 |  |
| 80 08 05 1630 |  |  | .3 | 1 | 0.017 | 100.00 | 10.00 | 118.0 | 2.90 | 11.000 | 31.0 | 7.00 | 7.0 |  |
| 80 09 17 1300 |  |  | .3 | 1 | 0.018 | 150.00 | 15.00 | 127.0 | 7.90 | 5.500 | 43.0 | 7.20 | 6.7 | 1.300 |
| 80 10 14 1320 |  |  | .3 | 1 | 0.007 | 130.00 | 10.00 | 118.0 | 5.00 | 8.300 | 38.0 | 7.10 |  |  |
| 80 11 04 0845 |  |  | .3 | 1 | 0.009 | 90.00 | 6.00 | 109.0 | 3.90 | 6.500 | 35.0 | 7.10 | 7.35 |  |
| 80 12 03 0930 |  |  | .3 | 1 | 0.003 | 60.00 | 2.00 | 74.0 | 2.00 | 3.600 | 23.0 | 7.30 | 6.7 | 0.200 |
| **MAXIMUM** |  |  |  |  | **0.022** | **150.00** | **15.00** | **127.0** | **7.90** | **11.000** | **43.0** | **7.40** | **7.35** | **1.300** |
| **ARITH MEAN** |  |  |  |  | **0.011** | **96.87** | **7.33** | **101.0** | **3.27** | **6.217** | **31** | **7.07** | **6.9** | **0.503** |
| **GEOM MEAN** |  |  |  |  | **0.010** | **93.15** | **5.34** | **96.1** | **2.77** | **5.620** | **30** | **7.06** | **6.9** | **0.317** |
| **MINIMUM** |  |  |  |  | **0.003** | **60.00** | **1.00** | **67.0** | **1.00** | **2.900** | **22.000** | **6.80** | **6.7** | **0.092** |
| **STD DEV** |  |  |  |  | **0.007** | **27.41** | **5.03** | **24.5** | **1.96** | **2.818** | **7** | **0.16** | **0.2** | **0.549** |
| **NO OF SAMPLES** |  |  |  |  | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **11** | **4** |

| TEST-NAME: |  |  |  |  | HARDT | COLAP | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | HARDNESS TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN |
| 80 01 07 1530 |  |  | .3 | 1 | 26.000 | 40.000 |  |  |  |  |  |  |  |  |
| 80 02 04 1700 |  |  | .3 | 1 | 21.000 | 30.000 | 0.001< | 0.050< | 0.003 | 0.007 | 0.001 | 0.001< | 0.008 | 0.008 |
| 80 03 04 1030 |  |  | .3 | 1 | 23.000 | 40.000 |  |  |  |  |  |  |  |  |
| 80 04 15 1020 |  |  | .3 | 1 | 33.000 | 70.000> |  |  |  |  |  |  |  |  |
| 80 05 13 1350 |  |  | .3 | 1 | 49.000 | 50.000 |  |  |  |  |  |  |  |  |
| 80 06 10 0930 |  |  | .3 | 1 | 42.000 | 49.000 | 0.001 | 0.050< | 0.004 | 0.006 | 0.004 | 0.001 | 0.012 | 0.049 |
| 80 07 09 1130 |  |  | .3 | 1 | 40.000 | 30.000 |  |  |  |  |  |  |  |  |
| 80 08 05 1630 |  |  | .3 | 1 | 44.000 | 66.000 |  |  |  |  |  |  |  |  |
| 80 09 17 1300 |  |  | .3 | 1 | 54.000 | 163.000 | 0.003 | 0.050 | 0.001 | 0.008 | 0.004 | 0.001 | 0.015 | 0.060 |
| 80 10 14 1320 |  |  | .3 | 1 | 40.000 | 128.000 |  |  |  |  |  |  |  |  |
| 80 11 04 0845 |  |  | .3 | 1 | 42.000 | 125.000 |  |  |  |  |  |  |  |  |
| 80 12 03 0930 |  |  | .3 | 1 | 24.000 | 46.000 | 0.001< | 0.050< | 0.002 | 0.011 | 0.003 | 0.001 | 0.013 | 0.011 |
| **MAXIMUM** |  |  |  |  | **54.000** | **163.000>** | **0.003** | **0.050** | **0.004** | **0.011** | **0.004** | **0.001** | **0.015** | **0.060** |
| **ARITH MEAN** |  |  |  |  | **36.500** | **69.750G** | **0.001L** | **0.050L** | **0.002** | **0.008** | **0.003** | **0.001L** | **0.012** | **0.032** |
| **GEOM MEAN** |  |  |  |  | **34.903** | **59.466G** | **0.001L** | **0.050L** | **0.002** | **0.008** | **0.003** | **0.001L** | **0.012** | **0.023** |
| **MINIMUM** |  |  |  |  | **21.000** | **30.000** | **0.001<** | **0.050<** | **0.001** | **0.006** | **0.001** | **0.001<** | **0.008** | **0.008** |
| **STD DEV** |  |  |  |  | **10.892** | **44.180G** | **0.001L** | **0.000L** | **0.001** | **0.002** | **0.001** | **0.000L** | **0.003** | **0.026** |
| **NO OF SAMPLES** |  |  |  |  | **12** | **12** | **4** | **4** | **4** | **4** | **4** | **4** | **4** | **4** |

| TEST-NAME: |  |  |  |  | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 02 04 1700 |  |  | .3 | 1 | 0.001< | 0.001< |  |
| 80 06 10 0930 |  |  | .3 | 1 | 0.002 | 0.001< | 0.01< |
| 80 09 17 1300 |  |  | .3 | 1 | 0.002 | 0.001 |  |
| 80 12 03 0930 |  |  | .3 | 1 | 0.001< | 0.001< |  |
| **MAXIMUM** |  |  |  |  | **0.002** | **0.001** | **0.01** |
| **ARITH MEAN** |  |  |  |  | **0.001L** | **0.001L** | **0.01L** |
| **GEOM MEAN** |  |  |  |  | **0.001L** | **0.001L** |  |
| **MINIMUM** |  |  |  |  | **0.001<** | **0.001<** | **0.01<** |
| **STD DEV** |  |  |  |  | **0.001L** | **0.000L** |  |
| **NO OF SAMPLES** |  |  |  |  | **4** | **4** | **1** |

SAMPLE INFORMATION SYSTEM　　1980 WATER QUALITY DATA　　DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **RAINY RIVER**
SAMPLE POINT: **DOWNSTREAM FROM FORT FRANCES, NORTH**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE**
MINOR BASIN: **LAKE WINNIPEG EAST RAINY RI**

STATION ID: **19-0001-012-02**
STORET CODE: **05**
**001**

LAT:
LONG:
U T M: **15 0464340.0 5376700.0 4**
REGION: **08**
DISTANCE: **328.297**

| TEST-NAME: | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 07 1620 | | | .3 | 1 | 11301 | 4 | 10C | 5900 | 400I | 28 | 0.0 | 13.0 | 1.2 | 0.036 |
| 80 02 05 1100 | | | .3 | 1 | 11309 | 4 | 300 | 20000 | 60 | 72 | 0.0 | 12.0 | 1.8 | 0.026 |
| 80 03 03 1600 | | | .3 | 1 | 11317 | 4 | 390 | 1700 | 300I | 4< | 0.0 | 12.0 | 1.6 | 0.043 |
| 80 04 15 1130 | | | .3 | 1 | 11325 | 6 | 220C | 17000 | 130C | | 1.5 | 11.0 | 0.4 | 0.039 |
| 80 05 13 1435 | | | .3 | 1 | 11333 | 6 | 600 | 16000 | 4400 | | 8.5 | 10.2 | 1.8 | 0.026 |
| 80 06 10 1130 | | | .3 | 1 | 11341 | 6 | 11000C | 100000> | 8000I | 15 | 16.5 | 7.3 | 1.6 | 0.073 |
| 80 07 09 1340 | | | .3 | 1 | 11349 | 6 | 49000 | 29000 | 16000 | | 23.5 | 8.1 | 1.4 | 0.075 |
| 80 08 06 1040 | | | .3 | 1 | 11357 | 9 | | | | | 20.5 | 5.9 | 2.0 | 0.041 |
| 80 09 17 1400 | | | .3 | 1 | 11365 | 6 | 1400 | 8200 | 1700 | | 14.0 | 8.2 | 1.4 | 0.031 |
| 80 10 14 1415 | | | .3 | 1 | 11373 | | | | | | 7.2 | 9.9 | 3.0 | 0.061 |
| 80 11 04 0745 | | | .3 | 1 | 11381 | | 19000 | 37000 | 85000 | | 4.0 | 11.4 | 1.2 | 0.033 |
| 80 12 03 1245 | | | .3 | 1 | 11389 | | 6200 | 2000 | 150000> | | 0.0 | 11.6 | 0.9 | 0.012 |
| MAXIMUM | | | | | | | 49000 | 100000> | 150000> | 72 | 23.5 | 13.0 | 3.0 | 0.075 |
| ARITH MEAN | | | | | | | 8812 | 23680G | 26599G | 30L | 8.0 | 10.0 | 1.5 | 0.041 |
| GEOM MEAN | | | | | | | 1289 | 12538G | 2646G | 19L | 4.3 | 9.8 | 1.4 | 0.037 |
| MINIMUM | | | | | | | 10 | 1700 | 60 | 4< | 0.0 | 5.9 | 0.4 | 0.012 |
| STD DEV | | | | | | | 15447 | 29167G | 50544G | 30L | 8.6 | 2.2 | 0.6 | 0.019 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 4 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPO4FR | RST | RSP | COND25 | TURB | CLIDUR | ALKT | PH | FWPH | FEUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE |
| 80 01 07 1620 | | | .3 | 1 | 0.008 | 90.00 | 5.00 | 88.0 | 1.70 | 3.800 | 28 | 7.40 | 7.0 | 0.079 |
| 80 02 05 1100 | | | .3 | 1 | 0.001 | 80.00 | 3.00 | 69.0 | 1.90 | 3.300 | 22.0 | 7.10 | 6.9 | |
| 80 03 03 1600 | | | .3 | 1 | 0.001 | 50.00 | 15.00 | 72.0 | 1.60 | 4.100 | 24.0 | 6.80 | 7.0 | |
| 80 04 15 1130 | | | .3 | 1 | 0.010 | 90.00 | 10.00 | 84.0 | 3.50 | 4.100 | 27.0 | 7.20 | 7.0 | |
| 80 05 13 1435 | | | .3 | 1 | 0.003 | 95.00 | 5.00 | 105.0 | 3.20 | 12.000 | 25.0 | 7.20 | 7.0 | |
| 80 06 10 1130 | | | .3 | 1 | 0.036 | 85.00 | 10.00 | 108.0 | 3.50 | 11.000 | 25.0 | 7.20 | 7.0 | 0.200 |
| 80 07 09 1340 | | | .3 | 1 | 0.025 | 110.00 | 15.00 | 104.0 | 6.40 | 10.000 | 26.0 | 7.00 | 7.2 | |
| 80 08 06 1040 | | | .3 | 1 | 0.008 | 85.00 | 10.00 | 109.0 | 4.20 | 12.000 | 25.0 | 6.80 | 6.7 | |
| 80 09 17 1400 | | | .3 | 1 | 0.008 | 120.00 | 5.00 | 100.0 | 3.00 | 8.600 | 27.0 | 7.10 | 7.1 | 0.270 |
| 80 10 14 1415 | | | .3 | 1 | 0.007 | 100.00 | 20.00 | 110.0 | 4.40 | 11.000 | 27.0 | 7.20 | | |
| 80 11 04 0745 | | | .3 | 1 | 0.002 | 60.00 | 10.00 | 90.0 | 4.60 | 7.200 | 25.0 | 7.10 | 7.5 | |
| 80 12 03 1245 | | | .3 | 1 | 0.001< | 90.00 | 3.00 | 68.0 | 1.70 | 3.200 | 22.0 | 7.20 | 6.7 | 0.150 |
| MAXIMUM | | | | | 0.036 | 120.00 | 20.00 | 110.0 | 6.40 | 12.000 | 28 | 7.40 | 7.5 | 0.270 |
| ARITH MEAN | | | | | 0.009L | 87.92 | 9.25 | 92.2 | 3.31 | 7.525 | 25 | 7.11 | 7.0 | 0.175 |
| GEOM MEAN | | | | | 0.005L | 85.77 | 7.80 | 90.9 | 3.01 | 6.635 | 25 | 7.11 | 7.0 | 0.159 |
| MINIMUM | | | | | 0.001< | 50.00 | 3.00 | 68.0 | 1.60 | 3.200 | 22.0 | 6.80 | 6.7 | 0.079 |
| STD DEV | | | | | 0.011L | 19.12 | 5.36 | 16.1 | 1.46 | 3.637 | 1 | 0.17 | 0.2 | 0.081 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 11 | 4 |

| TEST-NAME: | | | | | HARDT | COLAP | ASUT | HGUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | HARDNESS TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN |
| 80 01 07 1620 | | | .3 | 1 | 28.000 | 50.000 | | | | | | | | |
| 80 02 05 1100 | | | .3 | 1 | 23.000 | 30.000 | 0.001< | 0.050< | 0.004 | 0.008 | 0.006 | 0.001< | 0.003 | 0.008 |
| 80 03 03 1600 | | | .3 | 1 | 23.000 | 40.000 | | | | | | | | |
| 80 04 15 1130 | | | .3 | 1 | 29.000 | 60.000 | | | | | | | | |
| 80 05 13 1435 | | | .3 | 1 | 31.000 | 50.000 | | | | | | | | |
| 80 06 10 1130 | | | .3 | 1 | 24.000 | 55.000 | 0.001 | 0.050< | 0.004 | 0.002 | 0.002 | 0.001 | 0.003 | 0.033 |
| 80 07 09 1340 | | | .3 | 1 | 32.000 | 50.000 | | | | | | | | |
| 80 08 06 1040 | | | .3 | 1 | 30.000 | 82.000 | | | | | | | | |
| 80 09 17 1400 | | | .3 | 1 | 32.000 | 72.000 | 0.001 | 0.050< | 0.002 | 0.001 | 0.001< | 0.001< | 0.003 | 0.021 |
| 80 10 14 1415 | | | .3 | 1 | 30.000 | 93.000 | | | | | | | | |
| 80 11 04 0745 | | | .3 | 1 | 30.000 | 86.000 | | | | | | | | |
| 80 12 03 1245 | | | .3 | 1 | 24.000 | 55.000 | 0.001< | 0.050< | 0.005 | 0.013 | 0.003 | 0.001 | 0.007 | 0.011 |
| MAXIMUM | | | | | 32.000 | 93.000 | 0.001 | 0.050 | 0.005 | 0.013 | 0.006 | 0.001 | 0.007 | 0.033 |
| ARITH MEAN | | | | | 28.000 | 60.250 | 0.001L | 0.050L | 0.004 | 0.006 | 0.003L | 0.001L | 0.004 | 0.018 |
| GEOM MEAN | | | | | 27.789 | 57.424 | 0.001L | 0.050L | 0.004 | 0.004 | 0.002L | 0.001L | 0.004 | 0.016 |
| MINIMUM | | | | | 23.000 | 30.000 | 0.001< | 0.050< | 0.002 | 0.001 | 0.001< | 0.001< | 0.003 | 0.008 |
| STD DEV | | | | | 3.616 | 19.170 | 0.000L | 0.000L | 0.001 | 0.006 | 0.002L | 0.000L | 0.002 | 0.011 |
| NO OF SAMPLES | | | | | 12 | 12 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

| TEST-NAME: | | | | | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 02 05 1100 | | | .3 | 1 | 0.001 | 0.001< | |
| 80 06 10 1130 | | | .3 | 1 | 0.001< | 0.001< | |
| 80 09 17 1400 | | | .3 | 1 | 0.001 | 0.001< | 0.010< |
| 80 12 03 1245 | | | .3 | 1 | 0.001< | 0.001< | |
| MAXIMUM | | | | | 0.001 | 0.001 | 0.010 |
| ARITH MEAN | | | | | 0.001L | 0.001L | 0.010L |
| GEOM MEAN | | | | | 0.001L | 0.001L | |
| MINIMUM | | | | | 0.001< | 0.001< | 0.010< |
| STD DEV | | | | | 0.000L | 0.000L | |
| NO OF SAMPLES | | | | | 4 | 4 | 1 |

B.O.W./ SITE: **RAINY RIVER**
SAMPLE POINT: **DOWNSTREAM FROM FORT FRANCES, CENTRE**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE**
MINOR BASIN: **LAKE WINNIPEG EAST RAINY RI**

STATION ID: **19-0001-013-02**
STORET CODE: **05**
**001**

LAT:
LONG:
U T M: **15 0464350.0 5378600.0 4**
REGION: **06**
DISTANCE: **328.297**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 05 13 1435 | | | .3 | 1 | 11334 | 6 | | | | | 8.5 | 9.9 | 1.8 | 0.026 |
| 80 06 10 1125 | | | .3 | 1 | 11342 | 6 | 130000 | 170000 | 20000I | 2300 | 16.5 | 6.8 | 2.0 | 0.057 |
| 80 08 06 1145 | | | .3 | 1 | 11358 | 9 | | | | | 20.5 | 5.3 | 1.8 | 0.061 |
| 80 09 17 1350 | | | .3 | 1 | 11366 | 6 | 1000I | 9000 | 140C | | 14.5 | 8.0 | 0.8 | 0.055 |
| MAXIMUM | | | | | | | 130000 | 170000 | 20000 | 2300 | 20.5 | 9.9 | 2.0 | 0.061 |
| ARITH MEAN | | | | | | | 65500 | 89500 | 10070 | 2300 | 15.0 | 7.5 | 1.6 | 0.050 |
| GEOM MEAN | | | | | | | 11402 | 39115 | 1673 | | 14.3 | 7.3 | 1.5 | 0.047 |
| MINIMUM | | | | | | | 1000 | 9000 | 140 | 2300 | 8.5 | 5.3 | 0.8 | 0.026 |
| STD DEV | | | | | | | 91217 | 113844 | 14043 | | 5.0 | 1.9 | 0.5 | 0.016 |
| NO OF SAMPLES | | | | | | | 2 | 2 | 2 | 1 | 4 | 4 | 4 | 4 |

| TEST-NAME: | | | | | PPO4FR | RST | RSP | COND25 | TURB | CLIDUR | ALKT | PH | FWPH | HARDT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | HARDNESS TOTAL MG/L AS CACO3 |
| 80 05 13 1435 | | | .3 | 1 | 0.003 | 85.00 | 5.00 | 97.0 | 3.20 | 11.000 | 22.0 | 7.00 | 6.9 | 27.000 |
| 80 06 10 1125 | | | .3 | 1 | 0.008 | 60.00 | 10.00 | 102.0 | 3.40 | 11.000 | 22.0 | 6.70 | 7.0 | 29.000 |
| 80 08 06 1145 | | | .3 | 1 | 0.018 | 95.00 | 15.00 | 104.0 | 4.60 | 11.000 | 23.0 | 6.60 | 6.7 | 32.000 |
| 80 09 17 1350 | | | .3 | 1 | 0.006 | 130.00 | 5.00 | 99.0 | 3.30 | 8.600 | 26.0 | 7.00 | 7.0 | 32.000 |
| MAXIMUM | | | | | 0.018 | 130.00 | 15.00 | 104.0 | 4.60 | 11.000 | 26.0 | 7.00 | 7.0 | 32.000 |
| ARITH MEAN | | | | | 0.009 | 92.50 | 8.75 | 100.5 | 3.62 | 10.400 | 23.2 | 6.82 | 6.9 | 30.000 |
| GEOM MEAN | | | | | 0.007 | 89.09 | 7.83 | 100.5 | 3.58 | 10.344 | 23.2 | 6.82 | 6.9 | 29.924 |
| MINIMUM | | | | | 0.003 | 60.00 | 5.00 | 97.0 | 3.20 | 8.600 | 22.0 | 6.60 | 6.7 | 27.000 |
| STD DEV | | | | | 0.006 | 29.01 | 4.79 | 3.1 | 0.66 | 1.200 | 1.9 | 0.21 | 0.1 | 2.449 |
| NO OF SAMPLES | | | | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

| TEST-NAME: | | | | | COLAP |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU |
| 80 05 13 1435 | | | .3 | 1 | 50.000 |
| 80 06 10 1125 | | | .3 | 1 | 38.000 |
| 80 08 06 1145 | | | .3 | 1 | 67.000 |
| 80 09 17 1350 | | | .3 | 1 | 55.000 |
| MAXIMUM | | | | | 67.000 |
| ARITH MEAN | | | | | 52.500 |
| GEOM MEAN | | | | | 51.440 |
| MINIMUM | | | | | 38.000 |
| STD DEV | | | | | 12.014 |
| NO OF SAMPLES | | | | | 4 |

B.O.W./ SITE: **RAINY RIVER**
SAMPLE POINT: **DOWNSTREAM FROM FORT FRANCES, SOUTH**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE**
MINOR BASIN: **LAKE WINNIPEG EAST RAINY RI**

STATION ID: **19-0001-014-02**
STORET CODE: **05**
**001**

LAT:
LONG:
U T M: **15 0464350.0 5376475.0 4**
REGION: **06**
DISTANCE: **328.297**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 05 13 1440 | | | .3 | 1 | 11335 | 6 | | | | | 9.0 | 10.0 | 1.8 | 0.028 |
| 80 06 10 1120 | | | .3 | 1 | 11343 | 6 | 380000 | 570000 | 60000I | 2300 | 16.5 | 6.9 | 1.6 | 0.049 |
| 80 08 06 1055 | | | .3 | 1 | 11359 | 9 | | | | | 20.5 | 4.6 | 1.2 | 0.064 |
| 80 09 17 1355 | | | .3 | 1 | 11367 | 6 | 4000I | 3000 | 100C | | 14.5 | 8.2 | 0.8 | 0.060 |
| MAXIMUM | | | | | | | 380000 | 570000 | 60000 | 2300 | 20.5 | 10.0 | 1.8 | 0.064 |
| ARITH MEAN | | | | | | | 192000 | 286500 | 30050 | 2300 | 15.1 | 7.4 | 1.3 | 0.050 |
| GEOM MEAN | | | | | | | 38987 | 41352 | 2449 | | 14.5 | 7.1 | 1.3 | 0.048 |
| MINIMUM | | | | | | | 4000 | 3000 | 100 | 2300 | 9.0 | 4.6 | 0.8 | 0.028 |
| STD DEV | | | | | | | 265872 | 400929 | 42356 | | 4.8 | 2.3 | 0.4 | 0.016 |
| NO OF SAMPLES | | | | | | | 2 | 2 | 2 | 1 | 4 | 4 | 4 | 4 |

| TEST-NAME: | | | | | PPO4FR | RST | RSP | COND25 | TURB | CLIDUR | ALKT | PH | FWPH | HARDT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | HARDNESS TOTAL MG/L AS CACO3 |
| 80 05 13 1440 | | | .3 | 1 | 0.003 | 100.00 | 5.00 | 103.0 | 3.30 | 11.000 | 24.0 | 7.00 | 6.9 | 33.000 |
| 80 06 10 1120 | | | .3 | 1 | 0.006 | 100.00 | 5.00 | 100.0 | 3.20 | 10.000 | 24.0 | 6.70 | 7.0 | 29.000 |
| 80 08 06 1055 | | | .3 | 1 | 0.020 | 100.00 | 10.00 | 110.0 | 5.50 | 11.000 | 26.0 | 6.70 | 6.7 | 36.000 |
| 80 09 17 1355 | | | .3 | 1 | 0.009 | 100.00 | 3.00 | 101.0 | 3.30 | 8.400 | 27.0 | 6.90 | 7.0 | 35.000 |
| MAXIMUM | | | | | 0.020 | 100.00 | 10.00 | 110.0 | 5.50 | 11.000 | 27.0 | 7.00 | 7.0 | 36.000 |
| ARITH MEAN | | | | | 0.009 | 100.00 | 5.75 | 103.5 | 3.82 | 10.100 | 25.2 | 6.82 | 6.9 | 33.250 |
| GEOM MEAN | | | | | 0.008 | 100.00 | 5.23 | 103.4 | 3.72 | 10.041 | 25.2 | 6.82 | 6.9 | 33.138 |
| MINIMUM | | | | | 0.003 | 100.00 | 3.00 | 100.0 | 3.20 | 8.400 | 24.0 | 6.70 | 6.7 | 29.000 |
| STD DEV | | | | | 0.007 | 0.00 | 2.99 | 4.5 | 1.12 | 1.227 | 1.5 | 0.15 | 0.1 | 3.096 |
| NO OF SAMPLES | | | | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

(CONTD)

| TEST-NAME: | | | | | COLAP |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU |
| 80 05 13 1440 | | | .3 | 1 | 30.000 |
| 80 06 10 1120 | | | .3 | 1 | 32.000 |
| 80 08 06 1055 | | | .3 | 1 | 65.000 |
| 80 09 17 1355 | | | .3 | 1 | 70.000 |
| MAXIMUM | | | | | 70.000 |
| ARITH MEAN | | | | | 49.250 |
| GEOM MEAN | | | | | 45.716 |
| MINIMUM | | | | | 30.000 |
| STD DEV | | | | | 21.188 |
| NO OF SAMPLES | | | | | 4 |

B.O.W./ SITE: **CHUKUNI RIVER**
SAMPLE POINT: **DOWNSTREAM FROM BALMER CREEK**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE**
MINOR BASIN: **LAKE WINNIPEG EAST WINNIPEG**
TERM STREAM: **ENGLISH RIVER**

STATION ID: **19-0001-015-02**
STORET CODE: **05**
**001**
**1980**

LAT: LONG: U T M: **15 0449100.0 5652600.0 4** REGION: **06** DISTANCE: **277.765**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 22 1100 | | | .3 | 1 | 11502 | 4 | | | | | 0.5 | 8.0 | 1.2 | 0.024 |
| 80 02 25 1400 | | | .3 | 1 | 11508 | 4 | 8 | 760 | 4 | 4< | 0.0 | 8.0 | 1.8 | 0.025 |
| 80 03 31 1350 | | | .3 | 1 | 11514 | 4 | 600> | 4000> | 28 | 8 | 0.5 | 9.0 | 1.5 | 0.170 |
| 80 05 20 1510 | | | .3 | 1 | 11526 | | 10I | 1200 | 10< | | 18.5 | 7.4 | 1.0 | 0.022 |
| 80 06 09 1415 | | | .3 | 1 | 11532 | | 110 | 240 | 4< | 4< | 14.5 | 9.8 | 1.2 | 0.041 |
| 80 07 29 1520 | | | .3 | 1 | 11538 | | 12 | 560 | 4< | | 12.0 | 9.5 | 1.6 | 0.013 |
| 80 08 25 1420 | | | 3 | 1 | 11544 | | 44 | 560 | 4< | | 21.0 | 8.5 | 0.8 | 0.025 |
| 80 09 22 1445 | | | .3 | 1 | 11550 | | 210 | 2500 | 4< | | 10.5 | 10.0 | 1.2 | 0.034 |
| 80 10 20 1340 | | | .3 | 1 | 11556 | | 40I | 250 | 4< | | 5.5 | 11.8 | 0.8 | 0.034 |
| 80 12 17 1045 | | | 3 | 1 | 11568 | 4 | 4< | 44 | 4< | | 0.0 | 9.0 | 0.4 | 0.015 |
| MAXIMUM | | | | | | | 600> | 4000> | 28 | 8 | 21.0 | 11.8 | 1.8 | 0.170 |
| ARITH MEAN | | | | | | | 115B | 1124G | 7L | 5L | 8.3 | 9.1 | 1.1 | 0.040 |
| GEOM MEAN | | | | | | | 36B | 581G | 5L | 5L | 4.0 | 9.0 | 1.1 | 0.030 |
| MINIMUM | | | | | | | 4< | 44 | 4< | 4< | 0.0 | 7.4 | 0.4 | 0.013 |
| STD DEV | | | | | | | 194B | 1306G | 8L | 2L | 8.1 | 1.3 | 0.4 | 0.046 |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 3 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 22 1100 | | | .3 | 1 | 0.010 | 0.010< | 0.340 | 0.001 | 0.090 | 0.101 | 0.330 | 0.431 | 90.00 | 1.00 |
| 80 02 25 1400 | | | .3 | 1 | 0.005 | 0.030 | 0.470 | 0.004 | 0.110 | 0.144 | 0.440 | 0.584 | 40.00 | 1.00 |
| 80 03 31 1350 | | | .3 | 1 | 0.027 | 0.170 | 0.600 | 0.012 | 0.220 | 0.402 | 0.430 | 0.832 | 150.00 | 80.00 |
| 80 05 20 1510 | | | 3 | 1 | 0.009 | 0.060 | 0.530 | 0.005 | 0.020 | 0.085 | 0.470 | 0.555 | 65.00 | 15.00 |
| 80 06 09 1415 | | | 3 | 1 | 0.023 | 0.200 | 0.790 | 0.026 | 0.240 | 0.466 | 0.590 | 1.056 | 85.00 | 5.00 |
| 80 07 29 1520 | | | .3 | 1 | 0.010 | 0.020 | 0.370 | 0.002 | 0.001< | 0.023 | 0.350 | 0.373 | 50.00 | 3.00 |
| 80 08 25 1420 | | | 3 | 1 | 0.009 | 0.03 | 0.43 | 0.004 | 0.03 | 0.064 | 0.400 | 0.464 | 70 | 15 |
| 80 09 22 1445 | | | .3 | 1 | 0.027 | 0.060 | 0.490 | 0.011 | 0.290 | 0.361 | 0.430 | 0.791 | 90.00 | 4.00 |
| 80 10 20 1340 | | | .3 | 1 | 0.009 | 0.030 | 0.420 | 0.004 | 0.080 | 0.114 | 0.390 | 0.504 | 60.00 | 4.00 |
| 80 12 17 1045 | | | .3 | 1 | 0.006 | 0.010 | 0.260 | 0.002 | 0.060 | 0.072 | 0.250 | 0.322 | 60.00 | 1.00 |
| MAXIMUM | | | | | 0.027 | 0.200 | 0.790 | 0.026 | 0.290 | 0.466 | 0.590 | 1.056 | 150.00 | 80.00 |
| ARITH MEAN | | | | | 0.013 | 0.06 L | 0.47 | 0.007 | 0.11 L | 0.183 | 0.408 | 0.591 | 76 | 12 |
| GEOM MEAN | | | | | 0.011 | 0.03 L | 0.45 | 0.005 | 0.05 L | 0.126 | 0.399 | 0.564 | 71 | 4 |
| MINIMUM | | | | | 0.005 | 0.010< | 0.260 | 0.001 | 0.001< | 0.023 | 0.250 | 0.322 | 40.00 | 1.00 |
| STD DEV | | | | | 0.009 | 0.06 L | 0.14 | 0.008 | 0.10 L | 0.161 | 0.091 | 0.232 | 30 | 24 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | SSO4UR | ACDT | ALKT | PH | FWPH | FEUT | HARDT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 |
| 80 01 22 1100 | | | .3 | 1 | 58.0 | 0.45 | 0.800 | 2.500 | 1.000 | 23 | 7.10 | 6.8 | 0.05 | 24.000 |
| 80 02 25 1400 | | | .3 | 1 | 62.0 | 0.55 | 0.900 | 2.500 | 2.000 | 26.0 | 7.20 | 6.9 | 0.040 | 23.000 |
| 80 03 31 1350 | | | .3 | 1 | 89.0 | 21.00 | 3.800 | 6.800 | 3.000 | 28.0 | 7.10 | 6.9 | 4.400 | 33.000 |
| 80 05 20 1510 | | | .3 | 1 | 61.0 | 1.10 | 1.100 | 3.000 | 2.000 | 25.0 | 7.40 | 7.4 | 0.160 | 30.000 |
| 80 06 09 1415 | | | .3 | 1 | 94.0 | 4.00 | 4.000 | 9.500 | 3.000 | 25.0 | 7.50 | 7.1 | 0.360 | 37.000 |
| 80 07 29 1520 | | | .3 | 1 | 56.0 | 1.30 | 0.800 | 4.800 | 1.000 | 23.0 | 7.00 | 7.2 | 0.110 | 26.000 |
| 80 08 25 1420 | | | .3 | 1 | 68 | 1.9 | 1.4 | 4.0 | 1 | 25 | 7.4 | 7.4 | 0.16 | 30 |
| 80 09 22 1445 | | | .3 | 1 | 100.0 | 2.40 | 3.700 | 13.000 | 1.000 | 28.0 | 7.30 | 7.0 | 0.250 | 40.000 |
| 80 10 20 1340 | | | .3 | 1 | 74.0 | 1.60 | 1.400 | 5.300 | 1.000< | 28.0 | 7.90 | 6.9 | 0.170 | 32.000 |
| 80 12 17 1045 | | | .3 | 1 | 61.0 | 0.40 | 0.800 | 4.200 | 2.000 | 25.0 | 7.20 | 7.0 | 0.15 | 24.000 |
| MAXIMUM | | | | | 100.0 | 21.00 | 4.000 | 13.000 | 3.000 | 28.0 | 7.90 | 7.4 | 4.400 | 40.000 |
| ARITH MEAN | | | | | 72 | 3.4 | 1.8 | 5.5 | 1 L | 25 | 7.3 | 7.1 | 0.58 | 29 |
| GEOM MEAN | | | | | 70 | 1.5 | 1.4 | 4.8 | 1 L | 25 | 7.3 | 7.1 | 0.18 | 29 |
| MINIMUM | | | | | 56.0 | 0.40 | 0.800 | 2.500 | 1.000< | 23 | 7.00 | 6.8 | 0.040 | 23.000 |
| STD DEV | | | | | 16 | 6.2 | 1.3 | 3.3 | 0 L | 1 | 0.2 | 0.2 | 1.34 | 5 |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

(CONTD)

B.O.W./ SITE: **CHUKUNI RIVER**
SAMPLE POINT: **DOWNSTREAM FROM BALMER CREEK**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE**
MINOR BASIN: **LAKE WINNIPEG EAST WINNIPEG**
TERM STREAM: **ENGLISH RIVER**

STATION ID: **19-0001-015-02**
STORET CODE: **05**
**001**
**1980**

LAT: LONG: U T M: **15 0449100.0 5652600.0 4** REGION: **06** DISTANCE: **277.765**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLAP<br>COLOUR APPARENT HZU | ASUT<br>ARSENIC UNF.TOT. MG/L AS AS | HGUT<br>MERCURY UNF.TOT. UG/L AS HG | CUUT<br>COPPER UNF.TOT. MG/L AS CU | PBUT<br>LEAD UNF.TOT. MG/L AS PB | CDUT<br>CADMIUM UNF.TOT. MG/L AS CD | ZNUT<br>ZINC UNF.TOT. MG/L AS ZN | MNUT<br>MANGANSE UNF.TOT. MG/L AS MN | NILUT<br>NICKEL UNF.TOT. MG/L AS NI | COUT<br>COBALT UNF.TOT. MG/L AS CO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 22 1100 | | | .3 | 1 | 40.000 | 0.005 | 0.050< | 0.001< | 0.002 | 0.001< | 0.004 | 0.003 | 0.001 | 0.001< |
| 80 02 25 1400 | | | .3 | 1 | 30.000 | 0.007 | 0.050 | 0.004 | 0.002 | 0.001< | 0.005 | 0.011 | 0.002 | 0.001< |
| 80 03 31 1350 | | | .3 | 1 | 70.000> | 0.280 | 0.090 | 0.083 | 0.012 | 0.001< | 0.060 | 0.120 | 0.044 | 0.005 |
| 80 05 20 1510 | | | .3 | 1 | 47.000 | 0.016 | 0.050< | 0.008 | 0.005 | 0.001 | 0.005 | 0.012 | 0.012 | 0.001 |
| 80 06 09 1415 | | | .3 | 1 | 61.000 | 0.043 | 0.050< | 0.031 | 0.001< | 0.001 | 0.013 | 0.016 | 0.036 | 0.004 |
| 80 07 29 1520 | | | .3 | 1 | 39.000 | 0.013 | 0.120 | 0.008 | 0.002 | 0.001< | 0.004 | 0.009 | 0.005 | 0.001< |
| 80 08 25 1420 | | | .3 | 1 | 53 | 0.031 | 0.10 | 0.013 | 0.001< | 0.001< | 0.003 | 0.010 | 0.010 | 0.001 |
| 80 09 22 1445 | | | .3 | 1 | 55.000 | 0.054 | 0.050< | 0.027 | 0.001< | 0.001< | 0.013 | 0.025 | 0.052 | 0.006 |
| 80 10 20 1340 | | | .3 | 1 | 61.000 | 0.01[illegible] | 0.050< | 0.011 | 0.006 | 0.001 | 0.016 | 0.036 | 0.016 | 0.002 |
| 80 12 17 1045 | | | .3 | 1 | 42.000 | 0.00[illegible] | 0.37 | 0.002 | 0.009 | 0.001< | 0.002 | 0.004 | 0.004 | 0.001 |
| MAXIMUM | | | | | **70.000>** | **0.280** | **0.37** | **0.083** | **0.012** | **0.001** | **0.060** | **0.120** | **0.052** | **0.006** |
| ARITH MEAN | | | | | **49 G** | **0.047** | **0.09 L** | **0.019L** | **0.004L** | **0.001L** | **0.012** | **0.025** | **0.018** | **0.002L** |
| GEOM MEAN | | | | | **48 G** | **0.021** | **0.07 L** | **0.009L** | **0.003L** | **0.001L** | **0.007** | **0.014** | **0.010** | **0.002L** |
| MINIMUM | | | | | **30.000** | **0.005** | **0.050<** | **0.001<** | **0.001<** | **0.001<** | **0.002** | **0.003** | **0.001** | **0.001<** |
| STD DEV | | | | | **12 G** | **0.083** | **0.09 L** | **0.026L** | **0.004L** | **0.000L** | **0.017** | **0.036** | **0.019** | **0.002L** |
| NO OF SAMPLES | | | | | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CCNAUR<br>CYANIDE AVAIL UNF.REAC MG/L AS HCN |
|---|---|---|---|---|---|
| 80 01 22 1100 | | | .3 | 1 | 0.01 < |
| 80 02 25 1400 | | | .3 | 1 | 0.010< |
| 80 03 31 1350 | | | .3 | 1 | 0.12 |
| 80 05 20 1510 | | | .3 | 1 | 0.010 |
| 80 06 09 1415 | | | .3 | 1 | 0.020 |
| 80 07 29 1520 | | | .3 | 1 | 0.010< |
| 80 08 25 1420 | | | .3 | 1 | 0.010< |
| 80 09 22 1445 | | | .3 | 1 | 0.020 |
| 80 10 20 1340 | | | .3 | 1 | 0.010< |
| 80 12 17 1045 | | | .3 | 1 | 0.010< |
| MAXIMUM | | | | | **0.12** |
| ARITH MEAN | | | | | **0.02 L** |
| GEOM MEAN | | | | | **0.01 L** |
| MINIMUM | | | | | **0.01 <** |
| STD DEV | | | | | **0.03 L** |
| NO OF SAMPLES | | | | | **10** |

B.O.W./ SITE: **BALMER CREEK**
SAMPLE POINT: **AT BALMER LAKE OUTLET**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE**
MINOR BASIN: **LAKE WINNIPEG EAST WINNIPEG**
TERM STREAM: **ENGLISH RIVER**

STATION ID: **19-0001-016-02**
STORET CODE: **05**
**001**
**1980**

LAT: LONG: U T M: **15 0448925.0 5656600.0 4** REGION: **06** DISTANCE: **283.400**

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE<br>SAMPLE NUMBER | TCMF<br>COLIFORM TOTAL MF CNT /100ML | TCMFBK<br>COLIFORM TOTAL MF BCKGRD CNT /100ML | FCMF<br>FECAL COLIFORM MF CNT /100ML | FSMF<br>FECAL STREPCUS MF CNT /100ML | FWTEMP<br>WATER TEMP DEG.C | DO<br>DISOLVED OXYGEN MG/L AS O | BOD5<br>BOD 5 DAY TOT.DEM. MG/L AS O | PPUT<br>PHOSPHOR UNF.TOT. MG/L AS P | PPO4FR<br>PO4 FIL.REAC MG/L AS P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 21 1600 | | | .3 | 1 | 11504 | | | | | 2.0 | 8.0 | 1.6 | | |
| 80 02 25 1500 | | | .3 | 1 | 11510 | 8 | 12 | 4 | 4< | 1.0 | 4.0 | 1.4 | | 0.360 |
| 80 03 31 1445 | | | .3 | 1 | 11516 | 4< | 80 | 4< | 4< | 2.0 | 8.0 | 0.2 | 0.360 | 0.300 |
| 80 04 28 1330 | | | .3 | 1 | 11522 | 12 | 184 | 4< | 4< | 7.0 | 7.0 | 1.6 | 0.140 | 0.140 |
| 80 05 20 1330 | | | .3 | 1 | 11528 | 4< | 60 | 4< | | 16.5 | 11.0 | 1.8 | 0.370 | 0.340 |
| 80 06 09 1300 | | | .3 | 1 | 11534 | 52 | 188 | 4< | 4 | 16.0 | 9.3 | 1.0 | 0.260 | 0.220 |
| 80 07 29 1325 | | | .3 | 1 | 11540 | 2400 | 24000 | 4< | | 12.5 | 7.2 | 2.6 | 0.140 | |
| 80 08 25 1245 | | | .3 | 1 | 11546 | 6000I | 27000 | 28 | | 21.0 | 6.4 | 1.2 | | |
| 80 09 22 1530 | | | .3 | 1 | 11552 | 100I | 900I | 4 | | 9.0 | 9.4 | 1.4 | 0.180 | |
| 80 10 20 1235 | | | .3 | 1 | 11558 | 20I | 10< | 4< | | 3.0 | 12.4 | 2.6 | 0.150 | 0.120 |
| 80 11 17 1500 | | | .3 | 1 | 11564 | 4 | 28 | 4< | | 1.0 | 14.2 | 1.0 | 0.160 | 0.160 |
| 80 12 17 0915 | | | .3 | 1 | 11570 | 8 | 72 | 4< | | 1.0 | 12.0 | 1.0 | 0.290 | 0.200 |
| MAXIMUM | | | | | | **6000** | **27000** | **28** | **4** | **21.0** | **14.2** | **2.6** | **0.370** | **0.360** |
| ARITH MEAN | | | | | | **783L** | **4776L** | **6L** | **4L** | **7.7** | **9.1** | **1.4** | **0.228** | **0.230** |
| GEOM MEAN | | | | | | **34L** | **202L** | **5L** | **4L** | **4.4** | **8.8** | **1.3** | **0.212** | **0.214** |
| MINIMUM | | | | | | **4<** | **10<** | **4<** | **4<** | **1.0** | **4.0** | **0.2** | **0.140** | **0.120** |
| STD DEV | | | | | | **1872L** | **10271L** | **7L** | **0L** | **7.2** | **2.9** | **0.7** | **0.094** | **0.093** |
| NO OF SAMPLES | | | | | | **11** | **11** | **11** | **4** | **12** | **12** | **12** | **9** | **8** |

| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NNHTFR<br>NH3-N TOTAL FIL.REAC MG/L AS N | NNTKUR<br>K'DAHL N TOTAL FIL.TOT. MG/L AS N | NNO2FR<br>NO2-N FIL.REAC MG/L AS N | NNO3FR<br>NO3-N FIL.REAC MG/L AS N | NNTIFR<br>ORG N TOTAL FIL.REAC MG/L | NNKUR<br>KJELDAHL ORGANIC UNF.REAC MG/L | NNKI<br>TOTAL N MG/L AS N | RST<br>RESIDUE TOTAL MG/L | RSP<br>RESIDUE PARTIC. MG/L | COND25<br>CONDUCT. 25C UMHO/CM AT 25 C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 01 21 1600 | | | .3 | 1 | 0.900 | 1.500 | 0.047 | 3.700 | 4.647 | 0.600 | 5.247 | 390.00 | 5.00 | 474.0 |
| 80 02 25 1500 | | | .3 | 1 | 1.100 | 2.300 | 0.045 | 3.700 | 4.845 | 1.200 | 6.045 | 310.00 | 2.00 | 490.0 |
| 80 03 31 1445 | | | .3 | 1 | 1.000 | 3.200 | 0.038 | 2.960 | 3.998 | 2.200 | 6.198 | 320.00 | 70.00 | 460.0 |
| 80 04 28 1330 | | | .3 | 1 | 0.700 | 1.100 | 0.025 | 0.790 | 1.515 | 0.400 | 1.915 | 150.00 | 10.00 | 170.0 |
| 80 05 20 1330 | | | .3 | 1 | 3.400 | 5.000 | 0.056 | 1.600 | 5.056 | 1.600 | 6.656 | 320.00 | 20.00 | 420.0 |
| 80 06 09 1300 | | | .3 | 1 | 3.400 | 5.800 | 0.126 | 1.700 | 5.226 | 2.400 | 7.626 | 320.00 | 15.00 | 430.0 |
| 80 07 29 1325 | | | .3 | 1 | 1.700 | 2.000 | 0.028 | 3.700 | 5.428 | 0.300 | 5.728 | 380.00 | 5.00 | 500.0 |
| 80 08 25 1245 | | | .3 | 1 | 1.6 | 2.5 | 0.034 | 8.5 | 10.134 | 0.900 | 11.034 | 400 | 5 | 540 |
| 80 09 22 1530 | | | .3 | 1 | 1.300 | 2.100 | 0.018 | 3.400 | 4.718 | 0.800 | 5.518 | 310.00 | 20.00 | 450.0 |
| 80 10 20 1235 | | | .3 | 1 | 0.900 | 2.400 | 0.025 | 2.900 | 3.825 | 1.500 | 5.325 | 290.00 | 20.00 | 375.0 |
| 80 11 17 1500 | | | .3 | 1 | 1.200 | 2.000 | 0.034 | 3.000 | 4.234 | 0.800 | 5.034 | 310.00 | 10.00 | 415.0 |
| 80 12 17 0915 | | | .3 | 1 | 2.000 | 2.700 | 0.090 | 5.500 | 7.590 | 0.700 | 8.290 | 510.00 | 10.00 | 680.0 |
| MAXIMUM | | | | | **3.400** | **5.800** | **0.126** | **8.5** | **10.134** | **2.400** | **11.034** | **510.00** | **70.00** | **680.0** |
| ARITH MEAN | | | | | **1.6** | **2.7** | **0.047** | **3.4** | **5.101** | **1.117** | **6.218** | **334** | **16** | **450** |
| GEOM MEAN | | | | | **1.4** | **2.4** | **0.040** | **2.9** | **4.696** | **0.934** | **5.810** | **322** | **10** | **431** |
| MINIMUM | | | | | **0.700** | **1.100** | **0.018** | **0.790** | **1.515** | **0.300** | **1.915** | **150.00** | **2.00** | **170.0** |
| STD DEV | | | | | **0.9** | **1.3** | **0.031** | **2.0** | **2.100** | **0.679** | **2.178** | **84** | **18** | **117** |
| NO OF SAMPLES | | | | | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** | **12** |

| TEST-NAME: | | | | | TURB | CLIDUR | SSO4UR | ACDT | ALKT | PH | FWPH | FEUT | HARDT | COLAP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU |
| 80 01 21 1600 | | | .3 | 1 | 7.80 | 50.000 | 61.000 | 4.000 | 62 | 7.10 | 7.3 | 0.70 | 157.000 | 70.000> |
| 80 02 25 1500 | | | .3 | 1 | 6.30 | 52.000 | 68.000 | 4.000 | 66.0 | 7.30 | 7.1 | 0.60 | 156.000 | 70.000> |
| 80 03 31 1445 | | | .3 | 1 | 5.70 | 41.000 | 70.000 | 7.000 | 68.0 | 7.20 | 7.1 | 0.94 | 160.000 | 70.000> |
| 80 04 28 1330 | | | .3 | 1 | 9.00 | 12.000 | 26.000 | 3.000 | 31.0 | 6.70 | 6.9 | 1.400 | 58.000 | 70.000> |
| 80 05 20 1330 | | | .3 | 1 | 30.00 | 39.000 | 63.000 | 6.000 | 67.0 | 7.50 | 7.1 | 4.100 | 142.000 | 160.000 |
| 80 06 09 1300 | | | .3 | 1 | 20.00 | 40.000 | 64.000 | 3.000 | 63.0 | 7.60 | 7.4 | 2.000 | 139.000 | 118.000 |
| 80 07 29 1325 | | | .3 | 1 | 7.30 | 49.000 | 76.000 | 3.000 | 64.0 | 7.20 | 6.9 | 0.920 | 168.000 | 90.000 |
| 80 08 25 1245 | | | .3 | 1 | 4.6 | 53 | 85 | 6 | 47 | 7.1 | 7.0 | 0.71 | 188 | 88 |
| 80 09 22 1530 | | | .3 | 1 | 15.00 | 42.000 | 77.000 | 4.000 | 56.0 | 7.30 | 6.9 | 1.600 | 160.000 | 111.000 |
| 80 10 20 1235 | | | .3 | 1 | 19.00 | 30.000 | 62.000 | 2.000 | 52.0 | 7.50 | 7.1 | 2.600 | 127.000 | 166.000 |
| 80 11 17 1500 | | | .3 | 1 | 17.00 | 38.000 | 64.000 | 5.000 | 60.0 | 7.50 | 6.9 | | 141.000 | 166.000 |
| 80 12 17 0915 | | | .3 | 1 | 24.00 | 90.000 | 81.000 | 6.000 | 71.0 | 7.50 | 7.1 | 2.2 | 222.000 | 171.000 |
| MAXIMUM | | | | | 30.00 | 90.000 | 85 | 7.000 | 71.0 | 7.60 | 7.4 | 4.100 | 222.000 | 171.000> |
| ARITH MEAN | | | | | 13.8 | 44 | 66 | 4 | 58 | 7.2 | 7.1 | 1.6 | 151 | 112 G |
| GEOM MEAN | | | | | 11.6 | 40 | 64 | 4 | 57 | 7.2 | 7.1 | 1.3 | 146 | 105 G |
| MINIMUM | | | | | 4.6 | 12.000 | 26.000 | 2.000 | 31.0 | 6.70 | 6.9 | 0.60 | 58.000 | 70.000 |
| STD DEV | | | | | 8.2 | 18 | 15 | 1 | 11 | 0.2 | 0.2 | 1.0 | 38 | 42 G |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 11 | 12 | 12 |

| TEST-NAME: | | | | | ASUT | HGUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 01 21 1600 | | | .3 | 1 | 0.77 | 0.05 | 0.61 | 0.010 | 0.001 | 0.38 | 0.18 | 0.50 | 0.050 | 0.85 |
| 80 02 25 1500 | | | .3 | 1 | 0.920 | 0.050< | 0.560 | 0.010 | 0.002 | 0.280 | 0.170 | 0.580 | 0.047 | 0.950 |
| 80 03 31 1445 | | | .3 | 1 | 1.000 | 0.100 | 0.640 | 0.011 | 0.001 | 0.250 | 0.170 | 0.620 | 0.050 | 0.27 |
| 80 04 28 1330 | | | .3 | 1 | 0.380 | 0.080 | 0.400 | 0.004 | 0.001< | 0.170 | 0.110 | 0.250 | 0.021 | 0.950 |
| 80 05 20 1330 | | | .3 | 1 | 1.700 | 0.230 | 1.500 | 0.014 | 0.001 | 0.310 | 0.170 | 0.910 | 0.083 | 0.010< |
| 80 06 09 1300 | | | .3 | 1 | 0.630 | 0.050< | 1.100 | 0.017 | 0.001 | 0.250 | 0.130 | 0.870 | 0.070 | 0.340 |
| 80 07 29 1325 | | | .3 | 1 | 0.630 | 0.450 | 0.710 | 0.010 | 0.001 | 0.120 | 0.260 | 0.430 | 0.071 | 0.120 |
| 80 08 25 1245 | | | .3 | 1 | 0.600 | 0.09 | 0.49 | 0.013 | 0.001 | 0.14 | 0.020 | 0.70 | 0.079 | 0.360 |
| 80 09 22 1530 | | | .3 | 1 | 0.470 | 0.070 | 0.540 | 0.012 | 0.001 | 0.170 | 0.230 | 0.730 | 0.072 | 0.180 |
| 80 10 20 1235 | | | .3 | 1 | 0.330 | 0.070 | 0.610 | 0.015 | 0.001 | 0.240 | 0.170 | 0.490 | 0.062 | 0.650 |
| 80 11 17 1500 | | | .3 | 1 | | | | | | | | | | 0.550 |
| 80 12 17 0915 | | | .3 | 1 | 0.54 | 0.61 | 0.76 | 0.023 | 0.002 | 0.25 | 0.24 | 0.61 | 0.067 | 0.500 |
| MAXIMUM | | | | | 1.700 | 0.61 | 1.500 | 0.023 | 0.002 | 0.38 | 0.260 | 0.910 | 0.083 | 0.950 |
| ARITH MEAN | | | | | 0.72 | 0.16 L | 0.72 | 0.013 | 0.001L | 0.23 | 0.16 | 0.60 | 0.061 | 0.47 L |
| GEOM MEAN | | | | | 0.66 | 0.11 L | 0.67 | 0.012 | 0.001L | 0.22 | 0.14 | 0.57 | 0.058 | 0.31 L |
| MINIMUM | | | | | 0.330 | 0.05 < | 0.400 | 0.004 | 0.001< | 0.120 | 0.020 | 0.250 | 0.021 | 0.010< |
| STD DEV | | | | | 0.38 | 0.18 L | 0.31 | 0.005 | 0.000L | 0.07 | 0.06 | 0.19 | 0.018 | 0.32 L |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 12 |

| | | | |
|---|---|---|---|
| B.O.W./ SITE: **SNIB LAKE CREEK** | | | STATION ID: **19-0001-017-02** |
| SAMPLE POINT: **AT SNIB LAKE OUTLET** | | MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE** | STORET CODE: **05** |
| STATION TYPE: **RIVER** | | MINOR BASIN: **LAKE WINNIPEG EAST WINNIPEG** | **001** |
| | | TERM STREAM: **ENGLISH RIVER** | **1000** |
| LAT: | LONG: | U T M: **15 0439800.0 5650350.0 4** REGION: **06** | DISTANCE: **298.006** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 01 21 1430 | | | .3 | 1 | 11500 | | 0.5 | 10.0 | 1.2 | 0.039 | 0.036 | 0.010 | 0.500 | 0.003 |
| 80 02 25 1645 | | | .3 | 1 | 11506 | | 0.0 | 9.0 | 1.6 | 0.052 | 0.042 | 0.010< | 0.440 | 0.004 |
| 80 03 31 1630 | | | .3 | 1 | 11512 | | 1.0 | 9.0 | 1.0 | 0.053 | 0.033 | 0.010< | 0.490 | 0.005 |
| 80 04 28 1230 | | | .3 | 1 | 11518 | | 7.0 | 8.5 | 1.2 | 0.031 | 0.020 | 0.020 | 0.450 | 0.003 |
| 80 05 20 1620 | | | .3 | 1 | 11524 | | 18.0 | 9.0 | 1.4 | 0.058 | 0.022 | 0.010< | 0.710 | 0.005 |
| 80 06 09 1215 | | | .3 | 1 | 11530 | | 16.0 | 9.5 | 1.6 | 0.062 | 0.020 | 0.010< | 0.820 | 0.004 |
| 80 07 29 1230 | | | .3 | 1 | 11536 | | 15.0 | 8.2 | 0.8 | 0.038 | 0.035 | 0.030 | 0.550 | 0.003 |
| 80 08 25 1215 | | | .3 | 1 | 11542 | | 18.0 | 8.2 | 1.0 | 0.047 | 0.042 | 0.03 | 0.56 | 0.002 |
| 80 09 22 1315 | | | .3 | 1 | 11548 | | 11.5 | 9.4 | 1.0 | 0.068 | 0.046 | 0.020 | 0.540 | 0.001 |
| 80 10 20 1145 | | | .3 | 1 | 11554 | | 5.0 | 12.4 | 0.8 | 0.054 | 0.032 | 0.010 | 0.550 | 0.003 |
| 80 11 17 1245 | | | .3 | 1 | 11560 | | 1.0 | 15.0 | 1.2 | 0.047 | 0.032 | 0.010 | 0.460 | 0.003 |
| 80 12 16 1530 | | | .3 | 1 | 11566 | 4 | 1.0 | 9.0 | 0.6 | 0.059 | 0.029 | 0.020 | 0.460 | 0.003 |
| MAXIMUM | | | | | | | 18.0 | 15.0 | 1.6 | 0.068 | 0.046 | 0.03 | 0.820 | 0.005 |
| ARITH MEAN | | | | | | | 7.8 | 9.8 | 1.1 | 0.051 | 0.032 | 0.01 L | 0.54 | 0.003 |
| GEOM MEAN | | | | | | | 4.0 | 9.6 | 1.1 | 0.050 | 0.031 | 0.01 L | 0.53 | 0.003 |
| MINIMUM | | | | | | | 0.0 | 8.2 | 0.6 | 0.031 | 0.020 | 0.010< | 0.440 | 0.001 |
| STD DEV | | | | | | | 7.4 | 2.0 | 0.3 | 0.011 | 0.009 | 0.00 L | 0.11 | 0.001 |
| NO OF SAMPLES | | | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | COND25 | TURB | CLIDUR | SSO4UR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 |
| 80 01 21 1430 | | | .3 | 1 | 0.050 | 0.063 | 0.490 | 0.553 | 130.00 | | 127.0 | 0.50 | 8.400 | 14.000 |
| 80 02 25 1645 | | | .3 | 1 | 0.070 | 0.084 | 0.430 | 0.514 | 90.00 | 5.00 | 132.0 | 0.45 | 8.800 | 15.000 |
| 80 03 31 1630 | | | .3 | 1 | 0.140 | 0.155 | 0.480 | 0.635 | 140.00 | 10.00 | 136.0 | 1.30 | 8.500 | 16.000 |
| 80 04 28 1230 | | | .3 | 1 | 0.060 | 0.083 | 0.430 | 0.513 | 90.00 | 10.00 | 82.0 | 1.50 | 5.500 | 9.800 |
| 80 05 20 1620 | | | .3 | 1 | 0.010< | 0.025 | 0.700 | 0.725 | 120.00 | 40.00 | 109.0 | 5.40 | 7.000 | 14.000 |
| 80 06 09 1215 | | | .3 | 1 | 0.060 | 0.074 | 0.810 | 0.884 | 160.00 | 3.00 | 108.0 | 1.00 | 6.500 | 12.000 |
| 80 07 29 1230 | | | .3 | 1 | 0.010< | 0.043 | 0.520 | 0.563 | 130.00 | 1.00 | 110.0 | 0.80 | 6.500 | 13.000 |
| 80 08 25 1215 | | | .3 | 1 | 0.01 < | 0.042 | 0.530 | 0.572 | 90 | 4 | 110 | 1.7 | 6.3 | 11 |
| 80 09 22 1315 | | | .3 | 1 | 0.010< | 0.031 | 0.520 | 0.551 | 90.00 | 3.00 | 111.0 | 2.00 | 6.600 | 14.000 |
| 80 10 20 1145 | | | .3 | 1 | 0.010< | 0.023 | 0.540 | 0.563 | 100.00 | 4.00 | 110.0 | 1.50 | 6.300 | 13.000 |
| 80 11 17 1245 | | | .3 | 1 | 0.010< | 0.023 | 0.450 | 0.473 | 70.00 | 1.00 | 107.0 | 0.60 | 6.200 | 13.000 |
| 80 12 16 1530 | | | .3 | 1 | 0.010 | 0.033 | 0.440 | 0.473 | 80.00 | 2.00 | 117.0 | 0.60 | 6.300 | 13.000 |
| MAXIMUM | | | | | 0.140 | 0.155 | 0.810 | 0.884 | 160.00 | 40.00 | 136.0 | 5.40 | 8.800 | 16.000 |
| ARITH MEAN | | | | | 0.03 L | 0.057 | 0.528 | 0.585 | 107 | 7 | 113 | 1.4 | 6.9 | 13 |
| GEOM MEAN | | | | | 0.02 L | 0.047 | 0.519 | 0.576 | 104 | 4 | 112 | 1.1 | 6.8 | 13 |
| MINIMUM | | | | | 0.010< | 0.023 | 0.430 | 0.473 | 70.00 | 1.00 | 82.0 | 0.45 | 5.500 | 9.800 |
| STD DEV | | | | | 0.04 L | 0.03[illegible] | 0.115 | 0.117 | 27 | 11 | 14 | 1.3 | 1.0 | 1 |
| NO OF SAMPLES | | | | | 12 | 12 | 12 | 12 | 12 | 11 | 12 | 12 | 12 | 12 |

(CONTD)

B.O.W./ SITE: **SNIB LAKE CREEK**
SAMPLE POINT: **AT SNIB LAKE OUTLET**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE**
MINOR BASIN: **LAKE WINNIPEG EAST WINNIPEG**
TERM STREAM: **ENGLISH RIVER**

STATION ID: **19-0001-017-02**
STORET CODE: **05**
**001**
**1880**

LAT: LONG: U T M **15 0439800.0 5650350.0 4** REGION **06** DISTANCE **288.008**

| TEST-NAME: | | | | ACDT | ALKT | PH | FWPH | FEUT | HARDT | COLAP | ASUT | HGUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT UG/L AS HG | COPPER UNF.TOT. MG/L AS CU |
| 80 01 21 1430 | | .3 | 1 | 2.000 | 27 | 6.70 | 6.7 | 0.20 | 44.000 | 70.000> | 0.100 | 0.05 < | 0.011 |
| 80 02 25 1645 | | .3 | 1 | 4.000 | 30.0 | 6.80 | 6.9 | 0.140 | 48.000 | 70.000 | 0.100 | 0.070 | 0.019 |
| 80 03 31 1630 | | .3 | 1 | 3.000 | 31.0 | 6.90 | 6.8 | 0.170 | 49.000 | 70.000> | 0.100 | 0.050< | 0.019 |
| 80 04 28 1230 | | .3 | 1 | 2.000 | 19.0 | 6.40 | 7.0 | 0.240 | 29.000 | 70.000 | 0.039 | 0.050< | 0.011 |
| 80 05 20 1620 | | .3 | 1 | 3.000 | 26.0 | 7.10 | 7.0 | 1.000 | 38.000 | 118.000 | 0.095 | 0.050< | 0.017 |
| 80 06 09 1215 | | .3 | 1 | 1.000 | 25.0 | 7.30 | 6.9 | 0.180 | 42.000 | 92.000 | 0.055 | 0.060 | 0.013 |
| 80 07 29 1230 | | .3 | 1 | 1.000 | 24.0 | 7.20 | 7.1 | 0.130 | 40.000 | 71.000 | 0.070 | 0.090 | 0.003 |
| 80 08 25 1215 | | .3 | 1 | 1 | 27 | 7.1 | 7.2 | 0.32 | 46 | 71 | 0.210 | 0.05 < | 0.026 |
| 80 09 22 1315 | | .3 | 1 | 1.000 | 29.0 | 7.20 | 6.9 | 0.260 | 40.000 | 78.000 | 0.110 | 0.050< | 0.013 |
| 80 10 20 1145 | | .3 | 1 | 1.000 | 27.0 | 7.20 | 7.0 | 0.210 | 39.000 | 86.000 | 0.078 | 0.050< | 0.017 |
| 80 11 17 1245 | | .3 | 1 | 2.000 | 27.0 | 7.30 | 6.8 | 0.15 | 38.000 | 79.000 | 0.064 | 0.17 | 0.019 |
| 80 12 16 1530 | | .3 | 1 | 4.000 | 28.0 | 7.00 | 7.0 | 0.20 | 42.000 | 80.000 | 0.061 | 0.40 | 0.015 |
| MAXIMUM | | | | 4.000 | 31.0 | 7.30 | 7.2 | 1.000 | 49.000 | 118.000> | 0.210 | 0.40 | 0.026 |
| ARITH MEAN | | | | 2 | 26 | 7.0 | 6.9 | 0.28 | 41 | 79 G | 0.090 | 0.09 L | 0.016 |
| GEOM MEAN | | | | 1 | 26 | 7.0 | 6.9 | 0.22 | 40 | 78 G | 0.083 | 0.07 L | 0.014 |
| MINIMUM | | | | 1.000 | 19.0 | 6.40 | 6.7 | 0.130 | 29.000 | 70.000 | 0.039 | 0.05 < | 0.003 |
| STD DEV | | | | 1 | 3 | 0.2 | 0.1 | 0.23 | 5 | 14 G | 0.044 | 0.10 L | 0.006 |
| NO OF SAMPLES | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | PBUT | CDUT | ZNUT | MNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 01 21 1430 | | .3 | 1 | 0.001 | 0.001< | 0.007 | 0.013 | 0.008< | 0.001< | 0.03 |
| 80 02 25 1645 | | .3 | 1 | 0.001< | 0.001 | 0.006 | 0.009 | 0.009 | 0.001< | 0.010< |
| 80 03 31 1630 | | .3 | 1 | 0.003 | 0.001< | 0.006 | 0.014 | 0.010 | 0.001< | 0.01 < |
| 80 04 28 1230 | | .3 | 1 | 0.001 | 0.001< | 0.009 | 0.030 | 0.003 | 0.001< | 0.010< |
| 80 05 20 1620 | | .3 | 1 | 0.003 | 0.001 | 0.015 | 0.050 | 0.014 | 0.001 | 0.030 |
| 80 06 09 1215 | | .3 | 1 | 0.002 | 0.001< | 0.007 | 0.018 | 0.009 | 0.001 | 0.010< |
| 80 07 29 1230 | | .3 | 1 | 0.001< | 0.001 | 0.017 | 0.026 | 0.009 | 0.001 | 0.010< |
| 80 08 25 1215 | | .3 | 1 | 0.005 | 0.001< | 0.009 | 0.051 | 0.012 | 0.001 | 0.010< |
| 80 09 22 1315 | | .3 | 1 | 0.001 | 0.001< | 0.004 | 0.050 | 0.009 | 0.001< | 0.010< |
| 80 10 20 1145 | | .3 | 1 | 0.004 | 0.001 | 0.011 | 0.037 | 0.008 | 0.001 | 0.010< |
| 80 11 17 1245 | | .3 | 1 | 0.002 | 0.001 | 0.006 | 0.012 | 0.010 | 0.002 | 0.010< |
| 80 12 16 1530 | | .3 | 1 | 0.009 | 0.001< | 0.008 | 0.011 | 0.006 | 0.002 | 0.010< |
| MAXIMUM | | | | 0.009 | 0.001 | 0.017 | 0.051 | 0.014 | 0.002 | 0.030 |
| ARITH MEAN | | | | 0.003L | 0.001L | 0.009 | 0.027 | 0.009L | 0.001L | 0.01 L |
| GEOM MEAN | | | | 0.002L | 0.001L | 0.008 | 0.022 | 0.008L | 0.001L | 0.01 L |
| MINIMUM | | | | 0.001< | 0.001< | 0.004 | 0.009 | 0.003< | 0.001< | 0.010< |
| STD DEV | | | | 0.002L | 0.000L | 0.004 | 0.016 | 0.003L | 0.000L | 0.00 L |
| NO OF SAMPLES | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

B.O.W./ SITE: **RED LAKE**
SAMPLE POINT: **IN BRUCE CHANNEL NEAR FERRY CROSSING**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE**
MINOR BASIN: **LAKE WINNIPEG EAST WINNIPEG**
TERM STREAM: **ENGLISH RIVER**

STATION ID: **19-0001-018-01**
STORET CODE: **05**
**001**
**1880**

LAT: LONG: U T M: **15 0442100.0 5657450.0 4** REGION: **06** DISTANCE: **288.030**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 01 22 0915 | | .3 | 1 | 11505 | 4 | 0.5 | 9.0 | 1.4 | 0.021 | 0.009 | 0.010< | 0.400 | 0.002 |
| 80 02 25 1530 | | .3 | 1 | 11511 | 4 | 0.0 | 6.0 | 0.6 | 0.017 | 0.003 | 0.010< | 0.410 | 0.004 |
| 80 03 31 1530 | | .3 | 1 | 11517 | 4 | 1.0 | 13.0 | 0.4 | 0.016 | 0.003 | 0.010< | 0.640 | 0.004 |
| 80 05 20 1400 | | .3 | 1 | 11529 | | 11.0 | 11.0 | 0.6 | | 0.002 | 0.040 | | 0.003 |
| 80 06 09 1330 | | .3 | 1 | 11535 | | 14.0 | 9.6 | 0.4 | 0.014 | 0.003 | 0.010< | 0.490 | 0.002 |
| 80 07 29 1410 | | .3 | 1 | 11541 | | 11.0 | 10.5 | 1.0 | 0.008 | 0.004 | 0.020 | 0.390 | 0.002 |
| 80 08 25 1330 | | .3 | 1 | 11547 | | 21.0 | 9.3 | 0.6 | 0.015 | 0.001 | 0.02 | 0.41 | 0.001< |
| 80 09 22 1410 | | .3 | 1 | 11553 | | 12.0 | 9.8 | 1.0 | 0.018 | 0.006 | 0.040 | 0.400 | 0.001 |
| 80 10 20 1310 | | .3 | 1 | 11559 | | 6.0 | 12.6 | 0.8 | 0.020 | 0.004 | 0.030 | 0.370 | 0.002 |
| 80 12 16 1830 | | .3 | 1 | 11571 | 4 | 0.0 | 9.0 | 0.4 | 0.017 | 0.005 | 0.010< | 0.310 | 0.001 |
| MAXIMUM | | | | | | 21.0 | 13.0 | 1.4 | 0.021 | 0.009 | 0.040 | 0.640 | 0.004 |
| ARITH MEAN | | | | | | 7.8 | 10.0 | 0.7 | 0.016 | 0.004 | 0.02 L | 0.42 | 0.002L |
| GEOM MEAN | | | | | | 4.1 | 9.8 | 0.7 | 0.016 | 0.003 | 0.01 L | 0.41 | 0.002L |
| MINIMUM | | | | | | 0.0 | 6.0 | 0.4 | 0.008 | 0.001 | 0.010< | 0.310 | 0.001< |
| STD DEV | | | | | | 7.3 | 2.0 | 0.3 | 0.004 | 0.002 | 0.01 L | 0.09 | 0.001L |
| NO OF SAMPLES | | | | | | 10 | 10 | 10 | 9 | 10 | 10 | 9 | 10 |

(CONTD)

| TEST-NAME: | | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | COND25 | TURB | CLIDUR | SSO4UR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 |
| 80 01 22 0915 | | | .3 | 1 | 0.090 | 0.102 | 0.390 | 0.492 | 85.00 | 20.00 | 60.0 | 0.40 | 0.700 | 1.900 |
| 80 02 25 1530 | | | .3 | 1 | 0.090 | 0.104 | 0.400 | 0.504 | 70.00 | 1.00 | 56.0 | 0.90 | 0.400 | 2.500 |
| 80 03 31 1530 | | | .3 | 1 | 0.160 | 0.174 | 0.630 | 0.804 | 90.00 | 2.00 | 59.0 | 0.75 | 1.400 | 1.600 |
| 80 05 20 1400 | | | .3 | 1 | 0.010< | 0.053 | | | 80.00 | 2.00 | 57.0 | | 0.700 | |
| 80 06 09 1330 | | | .3 | 1 | 0.010< | 0.022 | 0.480 | 0.502 | 120.00 | 2.00 | 54.0 | 0.75 | 0.500 | 1.900 |
| 80 07 29 1410 | | | .3 | 1 | 0.010< | 0.032 | 0.370 | 0.402 | 55.00 | 1.00 | 60.0 | 0.80 | 0.700 | 3.900 |
| 80 08 25 1330 | | | .3 | 1 | 0.01 < | 0.031 | 0.390 | 0.421 | 45 | 2 | 57 | 0.90 | 0.5 | 2.4 |
| 80 09 22 1410 | | | .3 | 1 | 0.010< | 0.051 | 0.360 | 0.411 | 50.00 | 2.00 | 62.0 | 1.50 | 0.800 | 5.000 |
| 80 10 20 1310 | | | .3 | 1 | 0.010< | 0.042 | 0.340 | 0.382 | 60.00 | 3.00 | 60.0 | 1.00 | 0.800 | 3.800 |
| 80 12 16 1830 | | | .3 | 1 | 0.060 | 0.071 | 0.300 | 0.371 | 50.00 | 1.00 | 58.0 | 0.35 | 0.500 | 3.000 |
| MAXIMUM | | | | | 0.160 | 0.174 | 0.630 | 0.804 | 120.00 | 20.00 | 62.0 | 1.50 | 1.400 | 5.000 |
| ARITH MEAN | | | | | 0.04 L | 0.068 | 0.407 | 0.477 | 70 | 3 | 58 | 0.82 | 0.7 | 2.8 |
| GEOM MEAN | | | | | 0.02 L | 0.056 | 0.398 | 0.463 | 67 | 2 | 58 | 0.75 | 0.6 | 2.7 |
| MINIMUM | | | | | 0.010< | 0.022 | 0.300 | 0.371 | 45 | 1.00 | 54.0 | 0.35 | 0.400 | 1.600 |
| STD DEV | | | | | 0.05 L | 0.047 | 0.097 | 0.133 | 23 | 5 | 2 | 0.34 | 0.2 | 1.1 |
| NO OF SAMPLES | | | | | 10 | 10 | 9 | 9 | 10 | 10 | 10 | 9 | 10 | 9 |

| TEST-NAME: | | | | | ACDT | ALKT | PH | FWPH | FEUT | HARDT | COLAP | ASUT | HGUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | COPPER UNF.TOT. MG/L AS CU |
| 80 01 22 0915 | | | .3 | 1 | 1.000 | 24 | 6.80 | 6.8 | | 26.000 | 40.000 | | | |
| 80 02 25 1530 | | | .3 | 1 | 2.000 | 24.0 | 6.90 | 6.8 | 0.170 | 23.000 | 70.000 | 0.002 | 0.050 | 0.002 |
| 80 03 31 1530 | | | .3 | 1 | 3.000 | 23.0 | 7.00 | 6.9 | 0.240 | 22.000 | 70.000> | 0.003 | 0.120 | 0.021 |
| 80 05 20 1400 | | | .3 | 1 | 2.000 | 24.0 | 6.80 | 7.2 | 0.130 | | | 0.009 | 0.050< | 0.003 |
| 80 06 09 1330 | | | .3 | 1 | 1.000 | 22.0 | 7.40 | 7.1 | 0.510 | 20.000 | 47.000 | 0.009 | 0.050< | 0.014 |
| 80 07 29 1410 | | | .3 | 1 | 1.000 | 24.0 | 7.30 | 7.2 | 0.068 | 24.000 | 43.000 | 0.011 | 0.100 | 0.009 |
| 80 08 25 1330 | | | .3 | 1 | 1 | 24 | 7.4 | 7.4 | 0.49 | 28 | 44 | 0.007 | 0.08 | 0.009 |
| 80 09 22 1410 | | | .3 | 1 | 1.000 | 25.0 | 7.20 | 6.8 | 0.140 | 28.000 | 39.000 | 0.012 | 0.050< | 0.001< |
| 80 10 20 1310 | | | .3 | 1 | 1.000 | 25.0 | 7.30 | 6.9 | 0.170 | 25.000 | 51.000 | 0.011 | 0.050< | 0.002 |
| 80 12 16 1830 | | | .3 | 1 | 3.000 | 24.0 | 6.90 | 7.0 | 0.10 | 22.000 | 36.000 | 0.004 | 0.49 | 0.002 |
| MAXIMUM | | | | | 3.000 | 25.0 | 7.4 | 7.4 | 0.510 | 28 | 70.000> | 0.012 | 0.49 | 0.021 |
| ARITH MEAN | | | | | 1 | 23 | 7.1 | 7.0 | 0.22 | 24 | 48 G | 0.008 | 0.11 L | 0.007L |
| GEOM MEAN | | | | | 1 | 23 | 7.1 | 7.0 | 0.18 | 24 | 47 G | 0.006 | 0.08 L | 0.004L |
| MINIMUM | | | | | 1.000 | 22.0 | 6.80 | 6.8 | 0.068 | 20.000 | 36.000 | 0.002 | 0.050< | 0.001< |
| STD DEV | | | | | 0 | 0 | 0.2 | 0.2 | 0.16 | 2 | 12 G | 0.004 | 0.14 L | 0.007L |
| NO OF SAMPLES | | | | | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 9 |

| TEST-NAME: | | | | | PBUT | CDUT | ZNUT | MNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 02 25 1530 | | | .3 | 1 | 0.001< | 0.001< | 0.002 | 0.010 | 0.001< | 0.001< | 0.010< |
| 80 03 31 1530 | | | .3 | 1 | 0.005 | 0.001< | 0.130 | 0.008 | 0.004 | 0.001 | 0.01 < |
| 80 05 20 1400 | | | .3 | 1 | 0.005 | 0.001 | 0.007 | 0.008 | 0.006 | 0.001< | 0.010< |
| 80 06 09 1330 | | | .3 | 1 | 0.007 | 0.001< | 0.006 | 0.006 | 0.002 | 0.001 | 0.010< |
| 80 07 29 1410 | | | .3 | 1 | 0.002 | 0.001< | 0.001< | 0.005 | 0.002 | 0.001< | 0.010< |
| 80 08 25 1330 | | | .3 | 1 | 0.002 | 0.001< | 0.001 | 0.004 | 0.005 | 0.001< | 0.010< |
| 80 09 22 1410 | | | .3 | 1 | 0.003 | 0.001< | 0.015 | 0.017 | 0.003 | 0.001< | 0.010< |
| 80 10 20 1310 | | | .3 | 1 | 0.002 | 0.001< | 0.011 | 0.028 | 0.002 | 0.001 | 0.010< |
| 80 12 16 1830 | | | .3 | 1 | 0.015 | 0.001< | 0.003 | 0.004 | 0.001 | 0.002 | 0.010< |
| MAXIMUM | | | | | 0.015 | 0.001 | 0.130 | 0.028 | 0.006 | 0.002 | 0.010 |
| ARITH MEAN | | | | | 0.005L | 0.001L | 0.020L | 0.010 | 0.003L | 0.001L | 0.01 L |
| GEOM MEAN | | | | | 0.003L | 0.001L | 0.006L | 0.008 | 0.002L | 0.001L | 0.01 L |
| MINIMUM | | | | | 0.001< | 0.001< | 0.001< | 0.004 | 0.001< | 0.001< | 0.010< |
| STD DEV | | | | | 0.004L | 0.000L | 0.042L | 0.008 | 0.002L | 0.000L | 0.00 L |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

B O W / SITE: **BALMER CREEK**
SAMPLE POINT: **500 FEET UPSTREAM OF CHUKUNI RIVER**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE**
MINOR BASIN: **LAKE WINNIPEG EAST WINNIPEG**
TERM STREAM: **ENGLISH RIVER**

STATION ID: **19-0001-032-02**

STORET CODE: **05**
**001**
**1980**

LAT: LONG: U T M: **15 0448400.0 5653200.0 4** REGION: **06** DISTANCE: **278.731**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 22 1115 | | | .3 | 1 | 11503 | 4 | | | | | 0.5 | 7.0 | 1.4 | 0.059 |
| 80 02 25 1415 | | | .3 | 1 | 11509 | 4 | 184 | 200 | 64 | 148 | 0.5 | 6.0 | 1.8 | |
| 80 03 31 1400 | | | .3 | 1 | 11515 | 4 | 1500> | 6000 | 600> | 572 | 1.0 | 5.0 | 3.3 | 0.680 |
| 80 05 20 1500 | | | .3 | 1 | 11527 | | 10< | 10< | 10< | | 12.0 | 8.0 | 1.4 | 0.290 |
| 80 06 09 1430 | | | .3 | 1 | 11533 | | 770C | 2400 | 4< | 10I | 15.0 | 7.9 | 5.5 | 0.270 |
| 80 07 29 1500 | | | .3 | 1 | 11539 | | 8400C | 40000 | 4< | | 15.0 | 8.3 | 1.4 | 0.089 |
| 80 08 25 1410 | | | .3 | 1 | 11545 | | 3100C | 57000 | 16 | | 21.0 | 6.8 | 1.8 | |
| 80 09 22 1430 | | | .3 | 1 | 11551 | | 700I | 27000 | 152 | | 9.0 | 9.1 | 2.6 | 0.200 |
| 80 10 20 1345 | | | .3 | 1 | 11557 | | 20I | 490 | 4< | | 2.5 | 12.2 | 1.2 | 0.140 |
| 80 12 17 1115 | | | .3 | 1 | 11569 | 4 | 60 | 36 | 48 | | 0.0 | 7.0 | 2.6 | 0.360 |
| MAXIMUM | | | | | | | 8400> | 57000 | 600> | 572 | 21.0 | 12.2 | 5.5 | 0.680 |
| ARITH MEAN | | | | | | | 1638B | 14793L | 100B | 243 | 7.6 | 7.7 | 2.3 | 0.261 |
| GEOM MEAN | | | | | | | 330B | 1466L | 24B | 95 | 3.6 | 7.6 | 2.0 | 0.202 |
| MINIMUM | | | | | | | 10< | 10< | 4< | 10 | 0.0 | 5.0 | 1.2 | 0.059 |
| STD DEV | | | | | | | 2725B | 21362L | 193B | 293 | 7.7 | 2.0 | 1.3 | 0.198 |
| NO OF SAMPLES | | | | | | | 9 | 9 | 9 | 3 | 10 | 10 | 10 | 8 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **BALMER CREEK**
SAMPLE POINT: **500 FEET UPSTREAM OF CHUKUNI RIVER**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE**
MINOR BASIN: **LAKE WINNIPEG EAST WINNIPEG**
TERM STREAM: **ENGLISH RIVER**

STATION ID: **19-0001-032-02**
STORET CODE: **05**
**001**
**1980**

LAT: LONG: U T M. **15 0448400.0 5653200.0 4** REGION: **06** DISTANCE: **278.731**

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 22 1115 | | | 3 | 1 | 0.051 | 0.170 | 0.610 | 0.010 | 0.410 | 0.590 | 0.440 | 1.030 | 90.00 | 1.00 |
| 80 02 25 1415 | | | 3 | 1 | 0.290 | 1.000 | 2.000 | 0.029 | 1.300 | 2.329 | 1.000 | 3.329 | 240.00 | 4.00 |
| 80 03 31 1400 | | | 3 | 1 | 0.400 | 2.500 | 4.900 | 0.036 | 2.310 | 4.846 | 2.400 | 7.246 | 370.00 | 10.00 |
| 80 05 20 1500 | | | 3 | 1 | 0.270 | 3.400 | 4.700 | 0.094 | 1.700 | 5.194 | 1.300 | 6.494 | 310.00 | 25.00 |
| 80 06 09 1430 | | | 3 | 1 | 0.220 | 2.100 | 4.500 | 0.210 | 2.300 | 4.610 | 2.400 | 7.010 | 350.00 | 35.00 |
| 80 07 29 1500 | | | 3 | 1 | 0.070 | | 0.770 | 0.004 | 0.990 | | | 1.764 | 200.00 | 4.00 |
| 80 08 25 1410 | | | 3 | 1 | | 0.02 | 0.70 | 0.17 | 3.5 | 3.690 | 0.680 | 4.370 | 350 | 5 |
| 80 09 22 1430 | | | 3 | 1 | | 0.520 | 0.900 | 0.064 | 1.800 | 2.384 | 0.380 | 2.764 | 390.00 | 20.00 |
| 80 10 20 1345 | | | 3 | 1 | 0.140 | 0.720 | 1.700 | 0.036 | 2.900 | 3.656 | 0.980 | 4.636 | 300.00 | 10.00 |
| 80 12 17 1115 | | | 3 | 1 | 0.260 | 2.000 | 2.500 | 0.059 | 3.900 | 5.959 | 0.500 | 6.459 | 460.00 | 10.00 |
| MAXIMUM | | | | | **0.400** | **3.400** | **4.900** | **0.210** | **3.900** | **5.959** | **2.400** | **7.246** | **460.00** | **35.00** |
| ARITH MEAN | | | | | **0.213** | **1.38** | **2.32** | **0.07** | **2.1** | **3.695** | **1.120** | **4.610** | **306** | **12** |
| GEOM MEAN | | | | | **0.175** | **0.70** | **1.74** | **0.04** | **1.7** | **3.160** | **0.907** | **3.853** | **282** | **8** |
| MINIMUM | | | | | **0.051** | **0.02** | **0.610** | **0.004** | **0.410** | **0.590** | **0.380** | **1.030** | **90.00** | **1.00** |
| STD DEV | | | | | **0.119** | **1.18** | **1.75** | **0.06** | **1.1** | **1.687** | **0.785** | **2.251** | **105** | **10** |
| NO OF SAMPLES | | | | | **8** | **9** | **10** | **10** | **10** | **9** | **9** | **10** | **10** | **10** |

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | SSO4UR | ACDT | ALKT | PH | FWPH | FEUT | HARDT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 |
| 80 01 22 1115 | | | 3 | 1 | 103.0 | 0.85 | 6.700 | 7.400 | 1.000 | 26 | 6.90 | 6.8 | 0.17 | 37.000 |
| 80 02 25 1415 | | | 3 | 1 | 294.0 | 4.10 | 31.000 | 31.000 | 5.000 | 55.0 | 6.90 | 6.7 | 0.840 | 98.000 |
| 80 03 31 1400 | | | 3 | 1 | 580.0 | 15.00 | 72.000 | 63.000 | 10.000 | 85.0 | 7.00 | 6.9 | 2.200 | 169.000 |
| 80 05 20 1500 | | | 3 | 1 | 442.0 | 27.00 | 38.000 | 67.000 | 5.000 | 67.0 | 7.40 | 7.2 | 3.000 | 128.000 |
| 80 06 09 1430 | | | 3 | 1 | 450.0 | 39.00 | 44.000 | 65.000 | 3.000 | 64.0 | 7.40 | 7.4 | 4.100 | 151.000 |
| 80 07 29 1500 | | | 3 | 1 | 240.0 | 2.20 | 21.000 | 31.000 | 3.000 | 40.0 | 7.30 | 7.0 | 0.280 | 82.000 |
| 80 08 25 1410 | | | 3 | 1 | 460 | 4.0 | 42 | 71 | 3 | 64 | 7.0 | 6.9 | 0.81 | 168 |
| 80 09 22 1430 | | | 3 | 1 | 490.0 | 15.00 | 22.000 | 132.000 | 2.000 | 66.0 | 7.00 | 7.0 | 2.100 | 204.000 |
| 80 10 20 1345 | | | 3 | 1 | 380.0 | 14.00 | 29.000 | 64.000 | 3.000 | 55.0 | 7.30 | 6.9 | 2.000 | 133.000 |
| 80 12 17 1115 | | | 3 | 1 | 620.0 | 19.00 | 85.000 | 68.000 | 12.000 | 72.0 | 7.10 | 7.0 | 2.6 | 202.000 |
| MAXIMUM | | | | | **620.0** | **39.00** | **85.000** | **132.000** | **12.000** | **85.0** | **7.40** | **7.4** | **4.100** | **204.000** |
| ARITH MEAN | | | | | **405** | **14.0** | **39** | **59** | **4** | **59** | **7.1** | **7.0** | **1.8** | **137** |
| GEOM MEAN | | | | | **367** | **8.4** | **32** | **48** | **3** | **56** | **7.1** | **7.0** | **1.2** | **124** |
| MINIMUM | | | | | **103.0** | **0.85** | **6.700** | **7.400** | **1.000** | **26** | **6.90** | **6.7** | **0.17** | **37.000** |
| STD DEV | | | | | **157** | **12.1** | **23** | **33** | **3** | **18** | **0.2** | **0.2** | **1.2** | **53** |
| NO OF SAMPLES | | | | | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** |

| TEST-NAME: | | | | | COLAP | ASUT | HGUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/l AS HG | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 01 22 1115 | | | 3 | 1 | 40.000 | 0.084 | 0.05 < | 0.039 | 0.001 | 0.001< | 0.024 | 0.029 | 0.039 | 0.004 |
| 80 02 25 1415 | | | 3 | 1 | 70.000> | 0.410 | 0.050< | 0.180 | 0.007 | 0.001 | 0.086 | 0.160 | 0.180 | 0.016 |
| 80 03 31 1400 | | | 3 | 1 | 70.000> | 1.000 | 0.100 | 1.000 | 0.017 | 0.001 | 0.110 | 0.200 | 0.560 | 0.041 |
| 80 05 20 1500 | | | 3 | 1 | 152.000 | 0.900 | 0.160 | 0.800 | 0.018 | 0.001 | 0.190 | 0.190 | 0.660 | 0.069 |
| 80 06 09 1430 | | | 3 | 1 | 110.000 | 0.630 | 0.120 | 0.640 | 0.031 | 0.001 | 0.180 | 0.210 | 0.680 | 0.063 |
| 80 07 29 1500 | | | 3 | 1 | 53.000 | 0.160 | 0.100 | 0.094 | 0.005 | 0.001 | 0.025 | 0.070 | 0.160 | 0.020 |
| 80 08 25 1410 | | | 3 | 1 | 134 | 0.620 | 0.13 | 0.26 | 0.011 | 0.001 | 0.064 | 0.019 | 0.42 | 0.054 |
| 80 09 22 1430 | | | 3 | 1 | 141.000 | 0.480 | 0.100 | 0.280 | 0.016 | 0.001 | 0.070 | 0.220 | 0.400 | 0.039 |
| 80 10 20 1345 | | | 3 | 1 | 178.000 | 0.350 | 0.050 | 0.470 | 0.016 | 0.002 | 0.200 | 0.150 | 0.540 | 0.052 |
| 80 12 17 1115 | | | 3 | 1 | 140.000 | 0.59 | 0.24 | 0.64 | 0.026 | 0.002 | 0.25 | 0.032 | 0.54 | 0.066 |
| MAXIMUM | | | | | **178.000>** | **1.000** | **0.24** | **1.000** | **0.031** | **0.002** | **0.25** | **0.220** | **0.680** | **0.069** |
| ARITH MEAN | | | | | **108 G** | **0.52** | **0.11 L** | **0.44** | **0.015** | **0.001L** | **0.12** | **0.128** | **0.41** | **0.042** |
| GEOM MEAN | | | | | **98 G** | **0.42** | **0.09 L** | **0.30** | **0.011** | **0.001L** | **0.09** | **0.094** | **0.32** | **0.033** |
| MINIMUM | | | | | **40.000** | **0.084** | **0.05 <** | **0.039** | **0.001** | **0.001<** | **0.024** | **0.019** | **0.039** | **0.004** |
| STD DEV | | | | | **47 G** | **0.29** | **0.05 L** | **0.32** | **0.009** | **0.000L** | **0.08** | **0.082** | **0.22** | **0.023** |
| NO OF SAMPLES | | | | | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** | **10** |

| TEST-NAME: | | | | | CCNAUR |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 01 22 1115 | | | 3 | 1 | 0.70 |
| 80 02 25 1415 | | | 3 | 1 | 0.220 |
| 80 03 31 1400 | | | 3 | 1 | 0.22 |
| 80 05 20 1500 | | | 3 | 1 | 1.000 |
| 80 06 09 1430 | | | 3 | 1 | 0.300 |
| 80 07 29 1500 | | | 3 | 1 | 0.030 |
| 80 08 25 1410 | | | 3 | 1 | 0.180 |
| 80 09 22 1430 | | | 3 | 1 | 0.080 |
| 80 10 20 1345 | | | 3 | 1 | 0.200 |
| 80 12 17 1115 | | | 3 | 1 | 0.500 |
| MAXIMUM | | | | | **1.000** |
| ARITH MEAN | | | | | **0.34** |
| GEOM MEAN | | | | | **0.23** |
| MINIMUM | | | | | **0.030** |
| STD DEV | | | | | **0.30** |
| NO OF SAMPLES | | | | | **10** |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

| | | | |
|---|---|---|---|
| B.O.W./ SITE: **HOWEY BAY** | MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE** | STATION ID. **19-0001-033-01** | |
| SAMPLE POINT: **500 FEET FROM SHORE, RED LAKE** | MINOR BASIN: **LAKE WINNIPEG EAST WINNIPEG** | STORET CODE: **05**<br>**001**<br>**1980** | |
| STATION TYPE: **LAKE** | TERM STREAM: **ENGLISH RIVER** | | |
| LAT: | LONG: | U.T.M.: **15 0442675.0 5652425.0 4** | REGION: **06** DISTANCE: **285.651** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 21 1515 | | | .3 | 1 | 11501 | 4 | | | | | 0.5 | 8.0 | 1.4 | 0.018 |
| 80 02 25 1715 | | | .3 | 1 | 11507 | 4 | 174C | 2000> | 42 | 2< | 0.0 | 6.0 | 1.8 | 0.020 |
| 80 05 20 1430 | | | .3 | 1 | 11525 | | 4 | 80 | 4< | | 8.0 | 10.8 | 0.4 | 0.013 |
| 80 06 09 1400 | | | .3 | 1 | 11531 | | 24 | 176 | 4 | 4< | 13.5 | 9.8 | 0.6 | 0.025 |
| 80 07 29 1430 | | | .3 | 1 | 11537 | | 16 | 640 | 4< | | 11.0 | 11.0 | 0.4 | 0.006 |
| 80 08 25 1340 | | | .3 | 1 | 11543 | | 40 | 1000 | 4< | | 21.0 | 9.2 | 0.2 | 0.011 |
| 80 09 22 1425 | | | .3 | 1 | 11549 | | 236C | 2900 | 4< | | 12.0 | 9.2 | 1.0 | 0.020 |
| 80 10 20 1325 | | | .3 | 1 | 11555 | | 30I | 300 | 16 | | 6.0 | 12.0 | 0.6 | 0.021 |
| 80 12 16 1645 | | | .3 | 1 | 11567 | 4 | 4< | 12 | 4< | | 0.0 | 9.0 | 0.6 | 0.026 |
| MAXIMUM | | | | | | | 236 | 2900> | 42 | 4 | 21.0 | 12.0 | 1.8 | 0.026 |
| ARITH MEAN | | | | | | | 66L | 888G | 10L | 3L | 8.0 | 9.4 | 0.8 | 0.018 |
| GEOM MEAN | | | | | | | 27L | 342G | 6L | 3L | 4.8 | 9.3 | 0.6 | 0.016 |
| MINIMUM | | | | | | | 4< | 12 | 4< | 2< | 0.0 | 6.0 | 0.2 | 0.006 |
| STD DEV | | | | | | | 88L | 1044G | 13L | 1L | 7.2 | 1.8 | 0.5 | 0.007 |
| NO OF SAMPLES | | | | | | | 8 | 8 | 8 | 2 | 9 | 9 | 9 | 9 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 21 1515 | | | .3 | 1 | 0.009 | 0.010< | 0.390 | 0.002 | 0.100 | 0.112 | 0.380 | 0.492 | 60.00 | 1.00 |
| 80 02 25 1715 | | | .3 | 1 | 0.001 | 0.070 | 0.590 | 0.003 | 0.120 | 0.193 | 0.520 | 0.713 | 80.00 | 15.00 |
| 80 05 20 1430 | | | .3 | 1 | 0.006 | 0.010< | 0.300 | 0.003 | 0.060 | 0.073 | 0.290 | 0.363 | 50.00 | 2.00 |
| 80 06 09 1400 | | | .3 | 1 | 0.004 | 0.020 | 0.480 | 0.004 | 0.010< | 0.034 | 0.460 | 0.494 | 70.00 | 3.00 |
| 80 07 29 1430 | | | .3 | 1 | 0.004 | 0.020 | 0.360 | 0.002 | 0.010< | 0.032 | 0.340 | 0.372 | 55.00 | 1.00 |
| 80 08 25 1340 | | | .3 | 1 | 0.002 | 0.04 | 0.39 | 0.002 | 0.01 < | 0.052 | 0.350 | 0.402 | 50 | 2 |
| 80 09 22 1425 | | | .3 | 1 | 0.008 | 0.010 | 0.340 | 0.001 | 0.010< | 0.021 | 0.330 | 0.351 | 50.00 | 3.00 |
| 80 10 20 1325 | | | .3 | 1 | 0.005 | 0.020 | 0.360 | 0.002 | 0.010< | 0.032 | 0.340 | 0.372 | 60.00 | 3.00 |
| 80 12 16 1645 | | | .3 | 1 | 0.006 | 0.010< | 0.290 | 0.001 | 0.070 | 0.081 | 0.280 | 0.361 | 10.00 | 1.00 |
| MAXIMUM | | | | | 0.009 | 0.070 | 0.590 | 0.004 | 0.120 | 0.193 | 0.520 | 0.713 | 80.00 | 15.00 |
| ARITH MEAN | | | | | 0.005 | 0.02 L | 0.38 | 0.002 | 0.04 L | 0.070 | 0.386 | 0.436 | 53 | 3 |
| GEOM MEAN | | | | | 0.004 | 0.01 L | 0.38 | 0.002 | 0.02 L | 0.065 | 0.359 | 0.424 | 48 | 2 |
| MINIMUM | | | | | 0.001 | 0.010< | 0.290 | 0.001 | 0.010< | 0.021 | 0.280 | 0.351 | 10.00 | 1.00 |
| STD DEV | | | | | 0.003 | 0.02 L | 0.09 | 0.001 | 0.04 L | 0.055 | 0.078 | 0.118 | 19 | 4 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| TEST-NAME: | | | | | COND25 | TURB | CLIDUR | SSO4UR | ACDT | ALKT | PH | FWPH | FEUT | HARDT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 |
| 80 01 21 1515 | | | .3 | 1 | 65.0 | 0.50 | 1.300 | 2.400 | 1.000 | 23 | 6.70 | 6.8 | 0.040 | 26.000 |
| 80 02 25 1715 | | | .3 | 1 | 66.0 | 0.70 | 0.900 | 2.500 | 3.000 | 26.0 | 7.00 | 6.8 | 0.100 | 27.000 |
| 80 05 20 1430 | | | .3 | 1 | 57.0 | 0.70 | 0.600 | 5.700 | 2.000 | 24.0 | 7.20 | 7.0 | 0.130 | 24.000 |
| 80 06 09 1400 | | | .3 | 1 | 185.0 | 0.80 | 0.700 | 2.900 | 1.000 | 24.0 | 7.50 | 7.1 | 0.100 | 24.000 |
| 80 07 29 1430 | | | .3 | 1 | 56.0 | 0.65 | 0.500 | 3.000 | 1.000 | 22.0 | 7.30 | 7.2 | 0.051 | 24.000 |
| 80 08 25 1340 | | | .3 | 1 | 56 | 0.90 | 0.5 | 2.4 | 1 | 24 | 7.4 | 7.3 | 0.46 | 30 |
| 80 09 22 1425 | | | .3 | 1 | 58.0 | 1.20 | 0.700 | 4.800 | 1.000 | 26.0 | 7.30 | 6.9 | 0.110 | 26.000 |
| 80 10 20 1325 | | | .3 | 1 | 59.0 | 1.10 | 0.600 | 3.500 | 1.000< | 25.0 | 7.30 | 7.0 | 0.089 | 24.000 |
| 80 12 16 1645 | | | .3 | 1 | 62.0 | 0.35 | 0.700 | 3.300 | 3.000 | 25.0 | 6.90 | 7.1 | 0.10 | 24.000 |
| MAXIMUM | | | | | 185.0 | 1.20 | 1.300 | 5.700 | 3.000 | 26.0 | 7.50 | 7.3 | 0.46 | 30 |
| ARITH MEAN | | | | | 73 | 0.77 | 0.7 | 3.3 | 1 L | 24 | 7.1 | 7.0 | 0.13 | 25 |
| GEOM MEAN | | | | | 67 | 0.72 | 0.6 | 3.2 | 1 L | 24 | 7.1 | 7.0 | 0.10 | 25 |
| MINIMUM | | | | | 56.0 | 0.35 | 0.500 | 2.400 | 1.000< | 22.0 | 6.70 | 6.8 | 0.040 | 24.000 |
| STD DEV | | | | | 41 | 0.27 | 0.2 | 1.1 | 0 L | 1 | 0.2 | 0.2 | 0.12 | 2 |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| TEST-NAME: | | | | | COLAP | ASUT | HGUT | CUUT | PBUT | CDUT | ZNUT | MNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 01 21 1515 | | | .3 | 1 | 30.000 | 0.007 | 0.05 < | 0.001< | 0.001< | 0.001< | 0.005 | 0.003 | 0.002 | 0.001< |
| 80 02 25 1715 | | | .3 | 1 | 40.000 | 0.006 | 0.050< | 0.006 | 0.002 | 0.001< | 0.009 | 0.004 | 0.005 | 0.001< |
| 80 05 20 1430 | | | .3 | 1 | 39.000 | 0.008 | 0.050< | 0.002 | 0.001< | 0.001 | 0.004 | 0.009 | 0.004 | 0.001< |
| 80 06 09 1400 | | | .3 | 1 | 49.000 | 0.007 | 0.060 | 0.005 | 0.002 | 0.001 | 0.004 | 0.006 | 0.002 | 0.001< |
| 80 07 29 1430 | | | .3 | 1 | 42.000 | 0.006 | 0.090 | 0.011 | 0.004 | 0.001 | 0.003 | 0.004 | 0.002 | 0.001< |
| 80 08 25 1340 | | | .3 | 1 | 44 | 0.005 | 0.13 | 0.008 | 0.001 | 0.001< | 0.001 | 0.005 | 0.004 | 0.001< |
| 80 09 22 1425 | | | .3 | 1 | 45.000 | 0.009 | 0.050< | 0.001< | 0.001 | 0.001< | 0.007 | 0.012 | 0.001 | 0.001< |
| 80 10 20 1325 | | | .3 | 1 | 46.000 | 0.008 | 0.050< | 0.001 | 0.002 | 0.001< | 0.003 | 0.011 | 0.001 | 0.002 |
| 80 12 16 1645 | | | .3 | 1 | 32.000 | 0.006 | 0.31 | 0.001 | 0.003 | 0.001< | 0.005 | 0.003 | 0.002 | 0.002 |
| MAXIMUM | | | | | 49.000 | 0.009 | 0.31 | 0.011 | 0.004 | 0.001 | 0.009 | 0.012 | 0.005 | 0.002 |
| ARITH MEAN | | | | | 40 | 0.007 | 0.09 L | 0.004L | 0.002L | 0.001L | 0.005 | 0.006 | 0.003 | 0.001L |
| GEOM MEAN | | | | | 40 | 0.007 | 0.07 L | 0.003L | 0.002L | 0.001L | 0.004 | 0.006 | 0.002 | 0.001L |
| MINIMUM | | | | | 30.000 | 0.005 | 0.05 < | 0.001< | 0.001< | 0.001< | 0.001 | 0.003 | 0.001 | 0.001< |
| STD DEV | | | | | 6 | 0.001 | 0.08 L | 0.004L | 0.001L | 0.000L | 0.002 | 0.003 | 0.001 | 0.000L |
| NO OF SAMPLES | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

(CONTD)

B.O.W./ SITE: **HOWEY BAY**
SAMPLE POINT: **500 FEET FROM SHORE, RED LAKE**
STATION TYPE: **LAKE**

MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE**
MINOR BASIN: **LAKE WINNIPEG EAST WINNIPEG**
TERM STREAM: **ENGLISH RIVER**

STATION ID: **19-0001-033-01**
STORET CODE: **05**
**001**
**1980**

LAT:
LONG:
U T M: **15 0442675.0 5652425.0 4**
REGION: **06**
DISTANCE: **285.651**

| TEST-NAME: | | | | | CCNAUR |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 01 21 1515 | | | .3 | 1 | 0.01 < |
| 80 02 25 1715 | | | .3 | 1 | 0.010< |
| 80 05 20 1430 | | | .3 | 1 | 0.010< |
| 80 06 09 1400 | | | .3 | 1 | 0.010< |
| 80 07 29 1430 | | | .3 | 1 | 0.010< |
| 80 08 25 1340 | | | .3 | 1 | 0.010< |
| 80 09 22 1425 | | | .3 | 1 | 0.010< |
| 80 12 16 1645 | | | .3 | 1 | 0.010< |
| MAXIMUM | | | | | 0.010 |
| ARITH MEAN | | | | | 0.01 L |
| GEOM MEAN | | | | | 0.01 L |
| MINIMUM | | | | | 0.01 < |
| STD DEV | | | | | 0.00 L |
| NO OF SAMPLES | | | | | 8 |

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B.O.W./ SITE: **WABIGOON RIVER**
SAMPLE POINT: **AT MINNTTAKI SIDEROAD**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE**
MINOR BASIN: **LAKE WINNIPEG EAST WINNIPEG**
TERM STREAM: **ENGLISH RIVER**

STATION ID: **19-0001-035-02**
STORET CODE: **05**
**001**
**1980**

LAT:
LONG:
U T M: **15 0493550.0 5521800.0 4**
REGION: **06**
DISTANCE: **235.280**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | TCMF | TCMFBK | FCMF | FSMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | FECAL STREPCUS MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 28 1345 | | | .3 | 1 | 11002 | 4 | | | | | 0.0 | 8.5 | 8.0 | 0.060 |
| 80 02 18 1145 | | | .3 | 1 | 11006 | 0 4 | | | | | 2.0 | 8.0 | 13.0 | 0.067 |
| 80 03 17 1100 | | | .3 | 1 | 11010 | 0 4 | 2600 | 8400 | 240 | 120 | 0.0 | 8.5 | 20.0 | 0.043 |
| 80 04 21 1100 | | | .3 | 1 | 11014 | 0 | 7900C | 74000 | 80C | | 7.0 | 10.0 | 2.4 | 0.081 |
| 80 05 13 0920 | | | .3 | 1 | 11018 | | 59000 | 62000 | 120 | | 8.0 | 4.0 | 10.0 | 0.046 |
| 80 06 09 2015 | | | .3 | 1 | 11022 | 0 | 290000C | 6000000 | 16000 | | 21.0 | 2.3 | 16.0 | 0.140 |
| 80 07 14 1210 | | | .3 | 1 | 11026 | 6 | 1500000 | 1400000 | 1000< | | 25.5 | 0.4 | 30.0 | 0.210 |
| 80 08 18 1140 | | | .3 | 1 | 11030 | 0 | 900000I | 3900000 | 10000 | | 21.0 | 1.1 | 18.0 | 0.220 |
| 80 09 15 1215 | | | .3 | 1 | 11034 | 0 | 40000I | 40000 | 4200 | | 16.0 | 2.4 | 1.6 | 0.080 |
| 80 10 15 1120 | | | .3 | 1 | 11038 | | 2400000 | 700000I | 900000I | | 9.0 | 1.5 | 12.0 | 0.088 |
| 80 11 03 1030 | | | .3 | 1 | 11042 | | 6000000 | 600000I | 100000 | | 3.0 | 5.5 | 36.0 | 0.100 |
| 80 12 08 1230 | | | .3 | 1 | 11046 | | 2600000 | 500000I | 420 | | 1.5 | 10.0 | 16.0 | 0.058 |
| MAXIMUM | | | | | | | 6000000 | 6000000 | 900000 | 120 | 25.5 | 10.0 | 36.0 | 0.220 |
| ARITH MEAN | | | | | | | 1379950 | 1328440 | 103206L | 120 | 9.5 | 5.2 | 15.2 | 0.099 |
| GEOM MEAN | | | | | | | 242749 | 318092 | 2997L | | 5.5 | 3.6 | 11.4 | 0.086 |
| MINIMUM | | | | | | | 2600 | 8400 | 80< | 120 | 0.0 | 0.4 | 1.6 | 0.043 |
| STD DEV | | | | | | | 1903990 | 2017519 | 281634L | | 9.1 | 3.7 | 10.1 | 0.080 |
| NO OF SAMPLES | | | | | | | 10 | 10 | 10 | 1 | 12 | 12 | 12 | 12 |

| TEST-NAME: | | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 28 1345 | | | .3 | 1 | 0.016 | 0.010< | 0.560 | 0.009 | 0.010 | 0.029 | 0.550 | 0.579 | 190.00 | 10.00 |
| 80 02 18 1145 | | | .3 | 1 | 0.013 | 0.010 | 0.760 | 0.011 | 0.010< | 0.031 | 0.750 | 0.781 | 150.00 | 10.00 |
| 80 03 17 1100 | | | .3 | 1 | 0.015 | 0.020 | 0.560 | 0.009 | 0.010< | 0.039 | 0.540 | 0.579 | 180.00 | 5.00 |
| 80 04 21 1100 | | | .3 | 1 | 0.012 | 0.010< | 0.890 | 0.011 | 0.100 | 0.121 | 0.880 | 1.001 | 140.00 | 35.00 |
| 80 05 13 0920 | | | .3 | 1 | 0.011 | 0.010< | 0.560 | 0.008 | 0.010< | 0.028 | 0.550 | 0.578 | 190.00 | 15.00 |
| 80 06 09 2015 | | | .3 | 1 | 0.045 | 0.100< | 2.500 | 0.020 | 0.010< | 0.130 | 2.400 | 2.530 | 360.00 | 30.00 |
| 80 07 14 1210 | | | .3 | 1 | 0.040 | | 1.500 | 0.037 | 0.010< | | | 1.547 | 430.00 | 25.00 |
| 80 08 18 1140 | | | .3 | 1 | 0.036 | | 1.400 | 0.024 | 0.010< | | | 1.434 | 410.00 | 20.00 |
| 80 09 15 1215 | | | .3 | 1 | 0.050 | 0.310 | 0.970 | 0.005 | 0.010< | 0.325 | 0.660 | 0.985 | 210.00 | 5.00 |
| 80 10 15 1120 | | | .3 | 1 | 0.008 | 0.010 | 0.610 | 0.007 | 0.010< | 0.027 | 0.600 | 0.627 | 230.00 | 20.00 |
| 80 11 03 1030 | | | .3 | 1 | 0.036 | 0.030 | 0.700 | 0.027 | | | 0.670 | | 430.00 | 10.00 |
| 80 12 08 1230 | | | .3 | 1 | 0.013 | 0.010< | 0.550 | 0.009 | 0.010< | 0.029 | 0.540 | 0.569 | 220.00 | 9.00 |
| MAXIMUM | | | | | 0.050 | 0.310 | 2.500 | 0.037 | 0.100 | 0.325 | 2.400 | 2.530 | 430.00 | 35.00 |
| ARITH MEAN | | | | | 0.025 | 0.052L | 0.963 | 0.015 | 0.018L | 0.084 | 0.814 | 1.019 | 261.67 | 16.17 |
| GEOM MEAN | | | | | 0.020 | 0.021L | 0.850 | 0.012 | 0.012L | 0.054 | 0.719 | 0.896 | 241.61 | 13.46 |
| MINIMUM | | | | | 0.008 | 0.010< | 0.550 | 0.005 | 0.010< | 0.027 | 0.540 | 0.569 | 140.00 | 5.00 |
| STD DEV | | | | | 0.015 | 0.096L | 0.583 | 0.010 | 0.027L | 0.099 | 0.568 | 0.611 | 111.99 | 9.86 |
| NO OF SAMPLES | | | | | 12 | 10 | 12 | 12 | 11 | 9 | 10 | 11 | 12 | 12 |

| TEST-NAME: | | | | | RSF | COND25 | TURB | CLIDUR | SSO4UR | ALKT | PH | FWPH | FEUT | HARDT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 |
| 80 01 28 1345 | | | .3 | 1 | | 197.0 | 17.00 | 21.000 | 9.700 | 50.0 | 7.40 | 6.8 | 0.700 | 55.000 |
| 80 02 18 1145 | | | .3 | 1 | 140.00 | 225.0 | 15.00 | 23.000 | 13.000 | 57 | 6.80 | 7.0 | 0.930 | 54.000 |
| 80 03 17 1100 | | | .3 | 1 | | 211.0 | 15.00 | 26.000 | 11.000 | 48.0 | 6.80 | 6.7 | 0.770 | 54.000 |
| 80 04 21 1100 | | | .3 | 1 | | 111.0 | 28.00 | 2.100 | 5.700 | 47.0 | 6.90 | 6.9 | 2.100 | 47.000 |
| 80 05 13 0920 | | | .3 | 1 | | 214.0 | 13.00 | 31.000 | 12.000 | 43.0 | 6.50 | 6.7 | 1.100 | 58.000 |
| 80 06 09 2015 | | | .3 | 1 | 330.00 | 380.0 | 2.00 | 75.000 | 33.000 | 25.0 | 6.20 | 6.2 | 1.900 | 71.000 |
| 80 07 14 1210 | | | .3 | 1 | | 500.0 | 47.00 | 82.000 | 30.000 | 104.0 | 6.60 | 6.6 | 1.800 | 98.000 |
| 80 08 18 1140 | | | .3 | 1 | | 500.0 | 28.00 | 87.000 | 38.000 | 54.0 | 6.40 | 5.6 | 2.1 | 90.000 |
| 80 09 15 1215 | | | .3 | 1 | | 305.0 | 8.20 | 56.000 | 20.000 | 89.0 | 7.00 | 7.0 | 0.87 | 80.000 |
| 80 10 15 1120 | | | .3 | 1 | | 290.0 | 23.00 | 18.000 | 36.000 | 78.0 | 6.60 | 6.8 | 1.200 | 81.000 |
| 80 11 03 1030 | | | .3 | 1 | | 500.0 | 16.00 | 68.000 | 32.000 | 87.0 | 6.90 | 6.7 | 1.400 | 93.000 |
| 80 12 08 1230 | | | .3 | 1 | | 250.0 | 18.00 | 28.000 | 19.000 | 53.0 | 7.00 | 6.9 | 1.100 | 63.000 |
| MAXIMUM | | | | | 330.00 | 500.0 | 47.00 | 87.000 | 38.000 | 104.0 | 7.40 | 7.0 | 2.1 | 98.000 |
| ARITH MEAN | | | | | 235.00 | 306.9 | 19.18 | 43.092 | 21.617 | 61 | 6.76 | 6.7 | 1.3 | 70.333 |
| GEOM MEAN | | | | | 214.94 | 280.1 | 15.54 | 31.165 | 18.457 | 57 | 6.75 | 6.6 | 1.2 | 68.349 |
| MINIMUM | | | | | 140.00 | 111.0 | 2.00 | 2.100 | 5.700 | 25.0 | 6.20 | 5.6 | 0.700 | 47.000 |
| STD DEV | | | | | 134.35 | 133.4 | 11.48 | 28.786 | 11.549 | 23 | 0.32 | 0.4 | 0.5 | 17.662 |
| NO OF SAMPLES | | | | | 2 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

(CONTD)

| TEST-NAME: | | | | COLAP | ASUT | HGUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN |
| 80 01 28 1345 | | .3 | 1 | 70.000> | | 0.050< | | | 0.007 | | | 0.011 | 0.056 |
| 80 02 18 1145 | | .3 | 1 | 70.000> | 0.001< | 0.130 | 0.960 | 0.010 | 0.006 | 0.001< | 0.001< | 0.009 | 0.052 |
| 80 03 17 1100 | | .3 | 1 | 70.000> | 0.003 | 0.080 | | | 0.005 | | | 0.012 | 0.067 |
| 80 04 21 1100 | | .3 | 1 | 70.000> | 0.003 | 0.070 | | | 0.014 | | | 0.013 | 0.065 |
| 80 05 13 0920 | | .3 | 1 | 70.000> | 0.001 | 0.110 | | | 0.010 | | | 0.009 | 0.060 |
| 80 06 09 2015 | | .3 | 1 | 273.000 | 0.002 | 0.080 | | | 0.003 | | | 0.029 | 0.160 |
| 80 07 14 1210 | | .3 | 1 | 70.000> | 0.001 | 0.120 | | | 0.002 | | | 0.009 | 0.130 |
| 80 08 18 1140 | | .3 | 1 | 356.000 | 0.001< | 0.36 | | | 0.004 | | | 0.024 | 0.17 |
| 80 09 15 1215 | | .3 | 1 | 80.000 | 0.001< | 0.10 | | | 0.001< | | | 0.006 | 0.042 |
| 80 10 15 1120 | | .3 | 1 | 126.000 | 0.001< | 0.180 | | | 0.004 | | | 0.010 | 0.130 |
| 80 11 03 1030 | | .3 | 1 | 595.000 | 0.001< | 0.130 | | | 0.004 | | | 0.011 | 0.077 |
| 80 12 08 1230 | | .3 | 1 | 167.000 | 0.001< | 0.240 | | | 0.004 | | | 0.013 | 0.067 |
| MAXIMUM | | | | 595.000> | 0.003 | 0.36 | 0.960 | 0.010 | 0.014 | 0.001 | 0.001 | 0.029 | 0.17 |
| ARITH MEAN | | | | 168.083G | 0.001L | 0.13 L | 0.960 | 0.010 | 0.005L | 0.001L | 0.001L | 0.013 | 0.09 |
| GEOM MEAN | | | | 122.530G | 0.001L | 0.11 L | | | 0.004L | | | 0.012 | 0.08 |
| MINIMUM | | | | 70.000 | 0.001< | 0.050< | 0.960 | 0.010 | 0.001< | 0.001< | 0.001< | 0.006 | 0.042 |
| STD DEV | | | | 163.993G | 0.001L | 0.08 L | | | 0.004L | | | 0.007 | 0.04 |
| NO OF SAMPLES | | | | 12 | 11 | 12 | 1 | 1 | 12 | 1 | 1 | 12 | 12 |

| TEST-NAME: | | | | NIUT | COUT |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 02 18 1145 | | .3 | 1 | 0.002 | 0.001< |
| 80 03 17 1100 | | .3 | 1 | 0.003 | |
| 80 04 21 1100 | | .3 | 1 | 0.003 | |
| 80 05 13 0920 | | .3 | 1 | 0.002 | |
| 80 06 09 2015 | | .3 | 1 | 0.005 | |
| 80 07 14 1210 | | .3 | 1 | 0.001 | |
| 80 08 18 1140 | | .3 | 1 | 0.013 | |
| 80 09 15 1215 | | .3 | 1 | 0.001< | |
| 80 10 15 1120 | | .3 | 1 | 0.001< | |
| 80 11 03 1030 | | .3 | 1 | 0.001 | |
| 80 12 08 1230 | | .3 | 1 | 0.003 | |
| MAXIMUM | | | | 0.013 | 0.001 |
| ARITH MEAN | | | | 0.003L | 0.001L |
| GEOM MEAN | | | | 0.002L | |
| MINIMUM | | | | 0.001< | 0.001< |
| STD DEV | | | | 0.003L | |
| NO OF SAMPLES | | | | 11 | 1 |

B O W / SITE: **WABIGOON RIVER**
SAMPLE POINT: **HIGHWAY 609 NEAR QUIBELL**
STATION TYPE: **RIVER FLOW GAUGE FED 05QD006**

MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE**
MINOR BASIN: **LAKE WINNIPEG EAST WINNIPEG**
TERM STREAM: **ENGLISH RIVER**

STATION ID: **19-0001-036-02**
STORET CODE: **05**
**001**
**1890**

LAT: LONG: U T M: **15 0471275.0 5533850.0 4** REGION: **06** DISTANCE: **199.875**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | TCMF | TCMFBK | FCMF | FWTEMP | DO | BOD5 | PPUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | COLIFORM TOTAL MF CNT /100ML | COLIFORM TOTAL MF BCKGRD CNT /100ML | FECAL COLIFORM MF CNT /100ML | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P |
| 80 01 28 1430 | | .3 | 1 | 11003 | 4 | 32.600 | | | | 0.0 | 8.5 | 6.0 | 0.030 |
| 80 02 18 1045 | | .3 | 1 | 11007 | 0 4 | 32.500 | | | | 1.0 | 10.0 | 5.0 | 0.040 |
| 80 04 21 1000 | | .3 | 1 | 11015 | 0 | 86.700 | 300I | 12100 | 10I | 4.0 | 10.0 | 2.4 | 0.061 |
| 80 05 13 0830 | | .3 | 1 | 11019 | | 29.100 | 3500 | 4900 | 4< | 9.0 | 6.5 | 2.5 | 0.038 |
| 80 06 09 0845 | | .3 | 1 | 11023 | 0 | 8.340 | 2000I | 54000 | 16 | 17.0 | 4.3 | 1.2 | 0.131 |
| 80 07 14 1130 | | .3 | 1 | 11027 | 6 | 4.970 | 5100 | 5200 | 12 | 23.5 | 0.6 | 3.0 | 0.170 |
| 80 08 18 1100 | | .3 | 1 | 11031 | | 6.680 | 100000 | 160000 | 1000< | 21.0 | 0.7 | | |
| 80 09 15 1030 | | .3 | 1 | 11035 | 0 | 5.510 | 4700 | 2500 | 10< | 16.5 | 1.0 | 2.6 | 0.120 |
| 80 10 15 1045 | | .3 | 1 | 11039 | | 6.620 | 34000 | 41000 | 15000> | 7.0 | 5.0 | 7.0 | 0.067 |
| 80 11 03 0945 | | .3 | 1 | 11043 | | 17.200 | 150000> | 41000 | 1800 | 5.0 | 9.7 | 6.0 | 0.170 |
| 80 12 08 1115 | | .3 | 1 | 11047 | | 22.700 | 103000 | 7000I | 40I | 1.0 | 13.5 | 4.6 | 0.051 |
| MAXIMUM | | | | | | 86.700 | 150000> | 160000 | 15000> | 23.5 | 13.5 | 7.0 | 0.170 |
| ARITH MEAN | | | | | | 22.993 | 44733G | 36411 | 19888 | 9.5 | 6.3 | 4.0 | 0.088 |
| GEOM MEAN | | | | | | 15.272 | 11141G | 16235 | 768 | 5.6 | 4.2 | 3.6 | 0.073 |
| MINIMUM | | | | | | 4.970 | 300 | 2500 | 4< | 0.0 | 0.6 | 1.2 | 0.030 |
| STD DEV | | | | | | 23.857 | 57368G | 50248 | 49208 | 8.5 | 4.4 | 1.9 | 0.055 |
| NO OF SAMPLES | | | | | | 11 | 9 | 9 | 9 | 11 | 11 | 10 | 10 |

| TEST-NAME: | | | | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L |
| 80 01 28 1430 | | .3 | 1 | 0.008 | 0.010< | 0.520 | 0.008 | 0.010 | 0.028 | 0.510 | 0.538 | 140.00 | 10.00 |
| 80 02 18 1045 | | .3 | 1 | 0.006 | 0.010< | 0.420 | 0.005 | 0.010< | 0.025 | 0.410 | 0.435 | 130.00 | 5.00 |
| 80 04 21 1000 | | .3 | 1 | 0.010 | 0.010< | 0.830 | 0.011 | 0.070 | 0.091 | 0.820 | 0.911 | 110.00 | 20.00 |
| 80 05 13 0830 | | .3 | 1 | 0.007 | 0.010< | 0.390 | 0.006 | 0.010< | 0.026 | 0.380 | 0.406 | 130.00 | 10.00 |
| 80 06 09 0845 | | .3 | 1 | 0.056 | 0.200 | 1.200 | 0.010 | 0.010< | 0.220 | 1.000 | 1.220 | 180.00 | 20.00 |
| 80 07 14 1130 | | .3 | 1 | 0.060 | 0.050 | 1.200 | 0.021 | 0.010< | 0.081 | 1.150 | 1.231 | 300.00 | 15.00 |
| 80 09 15 1030 | | .3 | 1 | 0.065 | 0.160 | 1.100 | 0.017 | 0.010< | 0.187 | 0.940 | 1.127 | 310.00 | 10.00 |
| 80 10 15 1045 | | .3 | 1 | 0.014 | 0.020 | 0.840 | 0.016 | 0.010< | 0.046 | 0.820 | 0.866 | 290.00 | 5.00 |
| 80 11 03 0945 | | .3 | 1 | 0.080 | 0.030 | 0.690 | 0.013 | 0.010< | 0.053 | 0.660 | 0.713 | 220.00 | 7.00 |
| 80 12 08 1115 | | .3 | 1 | 0.009 | 0.010< | 0.530 | 0.007 | 0.010< | 0.027 | 0.520 | 0.547 | 160.00 | 8.00 |
| MAXIMUM | | | | 0.080 | 0.200 | 1.200 | 0.021 | 0.070 | 0.220 | 1.150 | 1.231 | 310.00 | 20.00 |
| ARITH MEAN | | | | 0.031 | 0.051L | 0.772 | 0.011 | 0.016L | 0.078 | 0.721 | 0.799 | 197.00 | 11.00 |
| GEOM MEAN | | | | 0.019 | 0.025L | 0.714 | 0.010 | 0.012L | 0.057 | 0.676 | 0.740 | 184.00 | 9.83 |
| MINIMUM | | | | 0.006 | 0.010< | 0.390 | 0.005 | 0.010< | 0.025 | 0.380 | 0.406 | 110.00 | 5.00 |
| STD DEV | | | | 0.030 | 0.070L | 0.313 | 0.005 | 0.019L | 0.070 | 0.265 | 0.319 | 77.47 | 5.56 |
| NO OF SAMPLES | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

(CONTD)

|  |  |  |  |
|---|---|---|---|
| B.O.W./SITE: **WABIGOON RIVER** | | STATION ID: **19-0001-036-02** | |
| SAMPLE POINT: **HIGHWAY 600 NEAR QUIBELL** | MAJOR BASIN: **ARCTIC DRAINAGE NELSON RIVE** | STORET CODE: **05**<br>**001**<br>**1980** | |
| STATION TYPE: **RIVER FLOW GAUGE FED 05QD006** | MINOR BASIN: **LAKE WINNIPEG EAST WINNIPEG** | | |
| | TERM STREAM: **ENGLISH RIVER** | | |
| LAT: | LONG: | U.T.M.: **15 0471275.0 5533850.0 4** | REGION: **06** DISTANCE: **198.875** |

| TEST-NAME: | | | | RSF | COND25 | TURB | CLIDUR | SSO4UR | ALKT | PH | FWPH | FEUT | HARDT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | ALK TOTAL MG/L AS CACO3 | PH | PH FIELD | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 |
| 80 01 28 1430 | | .3 | 1 | | 156.0 | 7.10 | 17.000 | 9.600 | 36.0 | 7.20 | 6.7 | 0.470 | 39.000 |
| 80 02 18 1045 | | .3 | 1 | 125.00 | 146.0 | 6.70 | 14.000 | 8.600 | 38 | 6.80 | 6.8 | 0.490 | 40.000 |
| 80 04 21 1000 | | .3 | 1 | | 96.0 | 21.00 | 2.500 | 5.200 | 38.0 | 6.90 | 6.8 | 0.130 | 36.000 |
| 80 05 13 0830 | | .3 | 1 | | 149.0 | 8.00 | 18.000 | 6.000 | 36.0 | 6.60 | 6.7 | 0.820 | 47.000 |
| 80 06 09 0845 | | .3 | 1 | 160.00 | 210.0 | 4.30 | 23.000 | 13.000 | 52.0 | 7.10 | 6.7 | 1.400 | 58.000 |
| 80 07 14 1130 | | .3 | 1 | | 380.0 | 17.00 | 64.000 | 29.000 | 58.0 | 6.60 | 6.7 | 1.600 | 110.000 |
| 80 08 18 1100 | | .3 | 1 | | | | | | | | 6.8 | 1.400 | |
| 80 09 15 1030 | | .3 | 1 | | 385.0 | 9.30 | 116.000 | 38.000 | 72.0 | 6.80 | 6.8 | 1.3 | 84.000 |
| 80 10 15 1045 | | .3 | 1 | | 360.0 | 7.10 | 44.000 | 27.000 | 42.0 | 6.70 | 6.9 | 0.950 | 89.000 |
| 80 11 03 0945 | | .3 | 1 | | 265.0 | 0.80 | 29.000 | 12.000 | 65.0 | 7.00 | 6.8 | 0.800 | 69.000 |
| 80 12 08 1115 | | .3 | 1 | | 195.0 | 14.00 | 22.000 | 12.000 | 45.0 | 7.00 | 6.9 | 0.800 | 57.000 |
| MAXIMUM | | | | 160.00 | 385.0 | 21.00 | 116.000 | 38.000 | 72.0 | 7.20 | 6.9 | 1.600 | 110.000 |
| ARITH MEAN | | | | 142.50 | 234.2 | 9.53 | 34.950 | 16.040 | 48 | 6.87 | 6.8 | 0.9 | 62.900 |
| GEOM MEAN | | | | 141.42 | 212.3 | 7.30 | 23.499 | 13.062 | 46 | 6.87 | 6.8 | 0.7 | 58.813 |
| MINIMUM | | | | 125.00 | 96.0 | 0.80 | 2.500 | 5.200 | 36.0 | 6.60 | 6.7 | 0.130 | 36.000 |
| STD DEV | | | | 24.75 | 107.1 | 6.08 | 33.237 | 11.192 | 13 | 0.21 | 0.1 | 0.4 | 24.760 |
| NO OF SAMPLES | | | | 2 | 10 | 10 | 10 | 10 | 10 | 10 | 11 | 11 | 10 |

| TEST-NAME: | | | | COLAP | ASUT | HGUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | ARSENIC UNF.TOT. MG/L AS AS | MERCURY UNF.TOT. UG/L AS HG | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN |
| 80 01 28 1430 | | .3 | 1 | 70.000> | | 0.080< | | | 0.013 | | | 0.011 | 0.037 |
| 80 02 18 1045 | | .3 | 1 | 70.000> | 0.001< | 0.050< | 0.480 | 0.006 | 0.016 | 0.003 | 0.001< | 0.007 | 0.036 |
| 80 04 21 1000 | | .3 | 1 | 70.000> | 0.002 | 0.060 | | | 0.001< | | | 0.006 | 0.047 |
| 80 05 13 0830 | | .3 | 1 | 70.000> | 0.001 | 0.060 | | | 0.018 | | | 0.014 | 0.053 |
| 80 06 09 0845 | | .3 | 1 | 144.000 | 0.001 | 0.090 | | | 0.001 | | | 0.004 | 0.110 |
| 80 07 14 1130 | | .3 | 1 | 70.000> | 0.001 | 0.130 | | | 0.003 | | | 0.008 | 0.150 |
| 80 08 18 1100 | | .3 | 1 | | 0.001< | 0.070 | | | 0.006 | | | 0.015 | 0.150 |
| 80 09 15 1030 | | .3 | 1 | 311.000 | 0.001< | 0.06 | | | 0.001< | | | 0.012 | 0.19 |
| 80 10 15 1045 | | .3 | 1 | 290.000 | 0.001< | 0.130 | | | 0.004 | | | 0.004 | 0.090 |
| 80 11 03 0945 | | .3 | 1 | 240.000 | 0.001< | 0.100 | | | 0.001< | | | 0.007 | 0.070 |
| 80 12 08 1115 | | .3 | 1 | 122.000 | 0.001< | 0.170 | | | 0.005 | | | 0.008 | 0.065 |
| MAXIMUM | | | | 311.000> | 0.002 | 0.170 | 0.480 | 0.006 | 0.018 | 0.003 | 0.001 | 0.015 | 0.19 |
| ARITH MEAN | | | | 145.700G | 0.001L | 0.09 L | 0.480 | 0.006 | 0.006L | 0.003 | 0.001L | 0.009 | 0.09 |
| GEOM MEAN | | | | 120.381G | 0.001L | 0.08 L | | | 0.004L | | | 0.008 | 0.07 |
| MINIMUM | | | | 70.000 | 0.001< | 0.050< | 0.480 | 0.006 | 0.001< | 0.003 | 0.001< | 0.004 | 0.036 |
| STD DEV | | | | 97.898G | 0.000L | 0.03 L | | | 0.006L | | | 0.004 | 0.05 |
| NO OF SAMPLES | | | | 10 | 10 | 11 | 1 | 1 | 11 | 1 | 1 | 11 | 11 |

| TEST-NAME: | | | | NIUT | COUT |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 01 28 1430 | | 3 | 1 | 0.001 | |
| 80 02 18 1045 | | 3 | 1 | 0.001 | 0.001< |
| 80 04 21 1000 | | 3 | 1 | 0.002 | |
| 80 05 13 0830 | | 3 | 1 | 0.001 | |
| 80 06 09 0845 | | .3 | 1 | 0.005 | |
| 80 07 14 1130 | | 3 | 1 | 0.001 | |
| 80 08 18 1100 | | .3 | 1 | 0.013 | |
| 80 09 15 1030 | | 3 | 1 | 0.001 | |
| 80 10 15 1045 | | 3 | 1 | 0.001< | |
| 80 11 03 0945 | | 3 | 1 | 0.001 | |
| 80 12 08 1115 | | .3 | 1 | 0.001< | |
| MAXIMUM | | | | 0.013 | 0.001 |
| ARITH MEAN | | | | 0.003L | 0.001L |
| GEOM MEAN | | | | 0.002L | |
| MINIMUM | | | | 0.001< | 0.001< |
| STD DEV | | | | 0.004L | |
| NO OF SAMPLES | | | | 11 | 1 |

|  |  |  |  |
|---|---|---|---|
| B.O.W./SITE: **MATTAGAMI RIVER** | | STATION ID: **19-0064-001-02** | |
| SAMPLE POINT: **DOWNSTREAM FROM TIMMINS STP.** | MAJOR BASIN: **ARCTIC DRAINAGE ONTARIO** | STORET CODE: **04**<br>**001**<br>**0230** | |
| STATION TYPE: **RIVER FLOW GAUGE FED 04LA002** | MINOR BASIN: **JAMES BAY SHORE** | | |
| | TERM STREAM: **MOOSE RIVER** | | |
| LAT: | LONG: | U.T.M.: **17 0473350.0 5371250.0 4** | REGION: **05** DISTANCE: **425.880** |

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N |
| 80 01 05 1215 | | 3 | 1 | 13713 | 4 | 64.500 | 0.0 | 12.0 | | 0.056 | 0.026 | 0.174 | 0.520 |
| 80 03 23 1210 | | 3 | 1 | 13727 | 4 | 69.800 | 0.0 | 4.0 | | 0.068 | 0.029 | 0.128 | 0.800 |
| 80 06 02 1135 | | .3 | 1 | 13729 | | 83.800 | 14.0 | 10.2 | 0.6 | 0.027 | 0.016 | 0.024 | 0.310 |
| 80 06 09 0930 | | 3 | 1 | 13730 | | 76.500 | 12.0 | 9.8 | 0.6 | 0.028 | 0.013 | 0.080 | 0.450 |
| 80 06 16 0909 | | 3 | 1 | 13731 | | 55.200 | 14.0 | 9.3 | 0.5 | 0.014 | 0.003 | 0.024 | 0.370 |
| 80 06 23 0915 | | .3 | 1 | 13732 | | 52.400 | 17.1 | 8.8 | 0.6 | 0.010 | 0.001 | 0.022 | 0.360 |
| 80 07 01 0905 | | .3 | 1 | 13733 | | 46.800 | 16.5 | 8.8 | 1.0 | 0.019 | 0.006 | 0.052 | 0.340 |
| 80 07 07 0910 | | .3 | 1 | 13734 | | 57.100 | 17.0 | 8.8 | 0.6 | 0.015 | 0.005 | 0.044 | 0.360 |
| 80 07 14 0934 | | .3 | 1 | 13735 | | 33.600 | 20.4 | 8.0 | 0.8 | 0.015 | 0.001 | 0.022 | 0.390 |
| 80 07 21 0925 | | 3 | 1 | 13736 | | 38.100 | 22.5 | 7.2 | 0.2 | 0.015 | 0.005 | 0.028 | 0.300 |
| 80 07 28 1030 | | .3 | 1 | 13737 | | 35.100 | 20.1 | 8.0 | 0.6 | 0.023 | 0.013 | 0.024 | 0.320 |
| 80 08 05 0950 | | .3 | 1 | 13738 | | 36.800 | 22.6 | 7.3 | 0.8 | 0.030 | 0.015 | 0.036 | 0.330 |
| 80 08 11 0945 | | .3 | 1 | 13739 | | 39.200 | 20.3 | 7.7 | 0.4 | 0.015 | 0.003 | 0.026 | 0.340 |
| 80 08 18 0930 | | .3 | 1 | 13740 | | 39.400 | 19.0 | 8.3 | 0.6 | 0.009 | 0.003 | 0.024 | 0.320 |
| 80 08 25 0930 | | 3 | 1 | 13985 | | 40.100 | 20.6 | 8.6 | 0.6 | 0.021 | 0.006 | 0.066 | 0.380 |

(CONTD)

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 10 14 0935 | | | .3 | 1 | 11871 | | 36.400 | 1.0 | 14.1 | 0.2 | 0.035 | 0.015 | 0.102 | 0.480 |
| MAXIMUM | | | | | | | 83.800 | 22.6 | 14.1 | 1.0 | 0.068 | 0.029 | 0.174 | 0.800 |
| ARITH MEAN | | | | | | | 50.300 | 14.8 | 8.8 | 0.6 | 0.026 | 0.010 | 0.065 | 0.398 |
| GEOM MEAN | | | | | | | 48.139 | 10.4 | 8.5 | 0.5 | 0.021 | 0.007 | 0.043 | 0.385 |
| MINIMUM | | | | | | | 33.600 | 0.0 | 4.0 | 0.2 | 0.009 | 0.001 | 0.022 | 0.300 |
| STD DEV | | | | | | | 16.037 | 7.8 | 2.2 | 0.2 | 0.018 | 0.009 | 0.045 | 0.124 |
| NO OF SAMPLES | | | | | | | 16 | 16 | 16 | 14 | 16 | 16 | 16 | 16 |

| TEST-NAME: | | | | | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 01 05 1215 | | | .3 | 1 | 0.005 | 0.105 | 0.284 | 0.346 | 0.630 | 75.0 | 3.0 | 72.000 | 110.0 | 2.50 |
| 80 03 23 1210 | | | .3 | 1 | 0.008 | 0.462 | 0.598 | 0.672 | 1.270 | 106.0 | 4.0 | 102.000 | 157.0 | 2.30 |
| 80 06 02 1135 | | | .3 | 1 | 0.003 | 0.012 | 0.039 | 0.286 | 0.325 | 66.0 | 4.0 | 62.000 | 95.0 | 2.30 |
| 80 06 09 0930 | | | .3 | 1 | 0.005 | 0.055 | 0.140 | 0.370 | 0.510 | 68.0 | 3.0 | 65.000 | 100.0 | 1.90 |
| 80 06 16 0909 | | | .3 | 1 | 0.004 | 0.056 | 0.084 | 0.346 | 0.430 | 68.0 | 3.0 | 65.000 | 100.0 | 2.00 |
| 80 06 23 0915 | | | .3 | 1 | 0.003 | 0.052 | 0.077 | 0.338 | 0.415 | 62.0 | 3.0 | 59.000 | 90.0 | 1.80 |
| 80 07 01 0905 | | | .3 | 1 | 0.003 | 0.041 | 0.096 | 0.288 | 0.384 | 65.0 | 3.0 | 62.000 | 95.0 | 2.00 |
| 80 07 07 0910 | | | .3 | 1 | 0.004 | 0.058 | 0.106 | 0.316 | 0.422 | 66.0 | 4.0 | 62.000 | 95.0 | 2.70 |
| 80 07 14 0934 | | | .3 | 1 | 0.003 | 0.027 | 0.052 | 0.368 | 0.420 | 70.0 | 5.0 | 65.000 | 100.0 | 2.60 |
| 80 07 21 0925 | | | .3 | 1 | 0.003 | 0.022 | 0.053 | 0.272 | 0.325 | 77.0 | 5.0 | 72.000 | 110.0 | 3.20 |
| 80 07 28 1030 | | | .3 | 1 | 0.002 | 0.018 | 0.044 | 0.296 | 0.340 | 67.0 | 2.0 | 65.000 | 100.0 | 1.80 |
| 80 08 05 0950 | | | .3 | 1 | 0.004 | 0.016 | 0.056 | 0.294 | 0.350 | 72.0 | 4.0 | 68.000 | 105.0 | 2.00 |
| 80 08 11 0945 | | | .3 | 1 | 0.003 | 0.027 | 0.056 | 0.314 | 0.370 | 75.0 | 3.0 | 72.000 | 110.0 | 1.90 |
| 80 08 18 0930 | | | .3 | 1 | 0.002 | 0.003 | 0.029 | 0.296 | 0.325 | 71.0 | 3.0 | 68.000 | 105.0 | 1.60 |
| 80 08 25 0930 | | | .3 | 1 | 0.003 | 0.017 | 0.086 | 0.314 | 0.400 | 76.0 | 4.0 | 72.000 | 110.0 | 2.60 |
| 80 10 14 0935 | | | .3 | 1 | 0.005 | 0.040 | 0.147 | 0.378 | 0.525 | 72.0 | 3.0 | 69.000 | 106.0 | 1.30 |
| MAXIMUM | | | | | 0.008 | 0.462 | 0.598 | 0.672 | 1.270 | 106.0 | 5.0 | 102.000 | 157.0 | 3.20 |
| ARITH MEAN | | | | | 0.004 | 0.063 | 0.122 | 0.343 | 0.465 | 72.2 | 3.5 | 68.750 | 105.5 | 2.16 |
| GEOM MEAN | | | | | 0.004 | 0.033 | 0.086 | 0.335 | 0.434 | 71.7 | 3.4 | 68.209 | 104.7 | 2.11 |
| MINIMUM | | | | | 0.002 | 0.003 | 0.029 | 0.272 | 0.325 | 62.0 | 2.0 | 59.000 | 90.0 | 1.30 |
| STD DEV | | | | | 0.001 | 0.109 | 0.141 | 0.094 | 0.230 | 10.0 | 0.8 | 9.768 | 15.1 | 0.48 |
| NO OF SAMPLES | | | | | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |

| TEST-NAME: | | | | | CLIDUR | PH | ASUT | CUUT | PBUT | CDUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHLORIDE UNF.REAC MG/L AS CL | PH | ARSENIC UNF.TOT. MG/L AS AS | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 01 05 1215 | | | .3 | 1 | 1.450 | | | | | | | |
| 80 03 23 1210 | | | .3 | 1 | 5.600 | | | | | | | |
| 80 06 02 1135 | | | .3 | 1 | 0.950 | | 0.001< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< |
| 80 06 09 0930 | | | .3 | 1 | 1.350 | | 0.001< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020 |
| 80 06 16 0909 | | | .3 | 1 | 1.000 | | 0.001< | 0.050 | 0.030< | 0.005 < | 0.010< | 0.020< |
| 80 06 23 0915 | | | .3 | 1 | 1.000 | | 0.001< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< |
| 80 07 01 0905 | | | .3 | 1 | 1.000 | | 0.001< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< |
| 80 07 07 0910 | | | .3 | 1 | 1.500 | | 0.001< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< |
| 80 07 14 0934 | | | .3 | 1 | 1.000 | | 0.001< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< |
| 80 07 21 0925 | | | .3 | 1 | 0.950 | | 0.001< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< |
| 80 07 28 1030 | | | .3 | 1 | 1.100 | | 0.001< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< |
| 80 08 05 0950 | | | .3 | 1 | 1.300 | | | | | | | |
| 80 08 11 0945 | | | .3 | 1 | 1.100 | | 0.001< | 0.001< | 0.001< | 0.0001< | 0.004 | 0.004 |
| 80 08 18 0930 | | | .3 | 1 | 1.300 | | 0.001< | 0.001< | 0.003< | 0.0003 | 0.001 | 0.003 |
| 80 08 25 0930 | | | .3 | 1 | 1.300 | 7.74 | 0.001< | 0.001< | 0.003< | 0.001 < | 0.003 | 0.002< |
| 80 10 14 0935 | | | .3 | 1 | 1.350 | | 0.001< | 0.001< | 0.003< | | 0.002 | 0.002< |
| MAXIMUM | | | | | 5.600 | 7.74 | 0.001 | 0.050 | 0.030 | 0.005 | 0.010 | 0.020 |
| ARITH MEAN | | | | | 1.463 | 7.74 | 0.001L | 0.010L | 0.022L | 0.003 L | 0.006L | 0.015L |
| GEOM MEAN | | | | | 1.282 | | 0.001L | 0.006L | 0.014L | 0.002 L | 0.006L | 0.011L |
| MINIMUM | | | | | 0.950 | 7.74 | 0.001< | 0.001< | 0.001< | 0.0001< | 0.001< | 0.002< |
| STD DEV | | | | | 1.122 | | 0.000L | 0.013L | 0.013L | 0.002 L | 0.004L | 0.008L |
| NO OF SAMPLES | | | | | 16 | 1 | 13 | 13 | 13 | 12 | 13 | 13 |

B.O.W./ SITE: **MATTAGAMI RIVER**
SAMPLE POINT: **HIGHWAY 101 BRIDGE, TIMMINS**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE ONTARIO**
MINOR BASIN: **JAMES BAY SHORE**
TERM STREAM: **MOOSE RIVER**

STATION ID: **19-0064-002-02**
STORET CODE: **04**
**001**
**0230**

LAT
LONG:
U T M: **17 0474100.0 5369000.0 4**
REGION: **05**
DISTANCE: **427.200**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 01 05 1225 | | | .3 | 1 | 13714 | 4 | 0.0 | | | 0.012 | 0.002 | 0.040 | 0.300 | 0.003 |
| 80 03 23 1230 | | | .3 | 1 | 13726 | 4 | 0.0 | 6.0 | 2.2 | 0.017 | 0.001< | 0.020 | 0.380 | 0.006 |
| 80 06 02 1100 | | | .3 | 1 | 13741 | | 14.0 | 9.8 | 0.6 | 0.010 | 0.002 | 0.028 | 0.310 | 0.003 |
| 80 06 09 0945 | | | .3 | 1 | 13742 | | 11.5 | 9.8 | 0.4 | 0.012 | 0.003 | 0.026 | 0.360 | 0.004 |
| 80 06 16 0921 | | | .3 | 1 | 13743 | | 13.2 | 9.3 | 0.6 | 0.015 | 0.002 | 0.018 | 0.390 | 0.004 |
| 80 06 23 0925 | | | .3 | 1 | 13744 | | 17.2 | 8.8 | 0.6 | 0.010 | 0.001 | 0.020 | 0.350 | 0.003 |
| 80 07 01 0940 | | | .3 | 1 | 13745 | | 16.0 | 8.7 | 0.8 | 0.014 | 0.001 | 0.032 | 0.350 | 0.003 |
| 80 07 07 0920 | | | .3 | 1 | 13746 | | 16.9 | 9.0 | 0.4 | 0.012 | 0.003 | 0.040 | 0.360 | 0.003 |
| 80 07 14 0950 | | | .3 | 1 | 13747 | | 20.7 | 8.0 | 1.0 | 0.015 | 0.001< | 0.018 | 0.480 | 0.003 |
| 80 07 21 0940 | | | .3 | 1 | 13748 | | 22.5 | 7.5 | 0.2 | 0.015 | 0.003 | 0.044 | 0.300 | 0.003 |
| 80 07 28 1045 | | | .3 | 1 | 13749 | | 20.3 | 7.7 | 0.6 | 0.023 | 0.011 | 0.028 | 0.340 | 0.002 |
| 80 08 05 1005 | | | .3 | 1 | 13750 | | 21.7 | 7.4 | 1.0 | 0.054 | 0.013 | 0.020 | 0.310 | 0.003 |
| 80 08 11 1000 | | | .3 | 1 | 13751 | | 20.2 | 7.8 | 0.4 | 0.013 | 0.005 | 0.030 | 0.320 | 0.004 |
| 80 08 18 0945 | | | .3 | 1 | 13752 | | 17.5 | 9.1 | 0.8 | 0.031 | 0.024 | 0.124 | 0.430 | 0.006 |
| 80 08 25 0940 | | | .3 | 1 | 13986 | | 20.6 | 8.0 | 0.6 | 0.011 | 0.001 | 0.024 | 0.320 | 0.002 |
| 80 10 14 0930 | | | .3 | 1 | 11875 | | 2.0 | 13.2 | 0.2 | 0.018 | 0.001 | 0.028 | 0.450 | 0.006 |
| MAXIMUM | | | | | | | 22.5 | 13.2 | 2.2 | 0.054 | 0.024 | 0.124 | 0.480 | 0.006 |
| ARITH MEAN | | | | | | | 14.6 | 8.7 | 0.7 | 0.018 | 0.005L | 0.034 | 0.359 | 0.004 |
| GEOM MEAN | | | | | | | 10.7 | 8.5 | 0.6 | 0.016 | 0.003L | 0.029 | 0.356 | 0.003 |
| MINIMUM | | | | | | | 0.0 | 6.0 | 0.2 | 0.010 | 0.001< | 0.018 | 0.300 | 0.002 |
| STD DEV | | | | | | | 7.8 | 1.6 | 0.5 | 0.011 | 0.006L | 0.025 | 0.065 | 0.001 |
| NO OF SAMPLES | | | | | | | 16 | 15 | 15 | 16 | 16 | 16 | 16 | 16 |

(CONTD)

B.O.W./SITE: **MATTAGAMI RIVER**
SAMPLE POINT: **HIGHWAY 101 BRIDGE, TIMMINS**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE ONTARIO**
MINOR BASIN: **JAMES BAY SHORE**
TERM STREAM: **MOOSE RIVER**

STATION ID: **19-0064-002-02**
STORET CODE: **04**
**001**
**0230**

LAT
LONG
U T M: **17 0474100.0 5369000.0 4**
REGION: **05**
DISTANCE: **427.200**

| TEST-NAME: | | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 01 05 1225 | | | .3 | 1 | 0.097 | 0.140 | 0.260 | 0.400 | 70.0 | 2.0 | 68.000 | 104.0 | 1.60 | 1.050 |
| 80 03 23 1230 | | | .3 | 1 | 0.209 | 0.235 | 0.360 | 0.595 | 95.0 | 7.0 | 88.000 | 450.0 | 40.00 | 1.200 |
| 80 06 02 1100 | | | .3 | 1 | 0.012 | 0.043 | 0.282 | 0.325 | 66.0 | 4.0 | 62.000 | 95.0 | 2.20 | 0.850 |
| 80 06 09 0945 | | | .3 | 1 | 0.051 | 0.081 | 0.334 | 0.415 | 62.0 | 3.0 | 59.000 | 90.0 | 1.80 | 0.850 |
| 80 06 16 0921 | | | .3 | 1 | 0.051 | 0.073 | 0.372 | 0.445 | 62.0 | 3.0 | 59.000 | 90.0 | 2.00 | 0.950 |
| 80 06 23 0925 | | | .3 | 1 | 0.047 | 0.070 | 0.330 | 0.400 | 63.0 | 4.0 | 59.000 | 90.0 | 2.00 | 1.050 |
| 80 07 01 0940 | | | .3 | 1 | 0.041 | 0.076 | 0.318 | 0.394 | 62.0 | 3.0 | 59.000 | 90.0 | 1.80 | 0.900 |
| 80 07 07 0920 | | | .3 | 1 | 0.054 | 0.097 | 0.320 | 0.417 | 66.0 | 4.0 | 62.000 | 95.0 | 2.20 | 1.300 |
| 80 07 14 0950 | | | .3 | 1 | 0.032 | 0.053 | 0.462 | 0.515 | 66.0 | 4.0 | 62.000 | 95.0 | 2.30 | 1.000 |
| 80 07 21 0940 | | | .3 | 1 | 0.022 | 0.069 | 0.256 | 0.325 | 72.0 | 4.0 | 68.000 | 105.0 | 2.70 | 0.900 |
| 80 07 28 1045 | | | .3 | 1 | 0.018 | 0.048 | 0.312 | 0.360 | 64.0 | 2.0 | 62.000 | 95.0 | 1.50 | 0.950 |
| 80 08 05 1005 | | | .3 | 1 | 0.017 | 0.040 | 0.290 | 0.330 | 67.0 | 2.0 | 65.000 | 100.0 | 1.50 | 1.150 |
| 80 08 11 1000 | | | .3 | 1 | 0.026 | 0.060 | 0.290 | 0.350 | 65.0 | 3.0 | 62.000 | 95.0 | 1.40 | 1.000 |
| 80 08 18 0945 | | | .3 | 1 | 0.005< | 0.135 | 0.306 | 0.441 | 77.0 | 2.0 | 75.000 | 115.0 | 1.90 | 1.800 |
| 80 08 25 0940 | | | .3 | 1 | 0.013 | 0.039 | 0.296 | 0.335 | 75.0 | 3.0 | 72.000 | 110.0 | 2.10 | 1.050 |
| 80 10 14 0930 | | | .3 | 1 | 0.264 | 0.298 | 0.422 | 0.720 | 81.0 | 8.0 | 73.000 | 112.0 | 1.90 | 1.150 |
| MAXIMUM | | | | | 0.264 | 0.298 | 0.462 | 0.720 | 95.0 | 8.0 | 88.000 | 450.0 | 40.00 | 1.800 |
| ARITH MEAN | | | | | 0.060L | 0.097 | 0.326 | 0.423 | 69.6 | 3.6 | 65.937 | 120.7 | 4.31 | 1.072 |
| GEOM MEAN | | | | | 0.036L | 0.080 | 0.322 | 0.412 | 69.1 | 3.3 | 65.534 | 108.2 | 2.30 | 1.053 |
| MINIMUM | | | | | 0.005< | 0.039 | 0.256 | 0.325 | 62.0 | 2.0 | 59.000 | 90.0 | 1.40 | 0.850 |
| STD DEV | | | | | 0.073L | 0.073 | 0.056 | 0.108 | 8.9 | 1.7 | 7.896 | 88.2 | 9.52 | 0.232 |
| NO OF SAMPLES | | | | | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |

| TEST-NAME: | | | | | ASUT | CUUT | PBUT | CDUT | ZNUT | NIUT |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI |
| 80 06 02 1100 | | | .3 | 1 | 0.001 | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< |
| 80 06 09 0945 | | | .3 | 1 | 0.001< | 0.040 | 0.030< | 0.005 < | 0.010< | 0.020< |
| 80 06 16 0921 | | | .3 | 1 | 0.001< | 0.030 | 0.030< | 0.005 < | 0.180 | 0.020< |
| 80 06 23 0925 | | | .3 | 1 | 0.001< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< |
| 80 07 01 0940 | | | .3 | 1 | 0.001< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< |
| 80 07 07 0920 | | | .3 | 1 | 0.001< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< |
| 80 07 14 0950 | | | .3 | 1 | 0.001< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020 |
| 80 07 21 0940 | | | .3 | 1 | 0.001< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< |
| 80 07 28 1045 | | | .3 | 1 | 0.001< | 0.010< | 0.030< | 0.005 < | 0.010< | 0.020< |
| 80 08 11 1000 | | | .3 | 1 | 0.001< | 0.001< | 0.001< | 0.0002 | 0.003 | 0.002< |
| 80 08 18 0945 | | | .3 | 1 | 0.001< | 0.001< | 0.003< | 0.0002< | 0.004 | 0.003 |
| 80 08 25 0940 | | | .3 | 1 | 0.001< | 0.001< | 0.003< | 0.001 < | 0.001< | 0.002< |
| 80 10 14 0930 | | | .3 | 1 | 0.001< | 0.005 | 0.004 | | 1.100 | 0.002< |
| MAXIMUM | | | | | 0.001 | 0.040 | 0.030 | 0.005 | 1.100 | 0.020 |
| ARITH MEAN | | | | | 0.001L | 0.011L | 0.022L | 0.003 L | 0.105L | 0.015L |
| GEOM MEAN | | | | | 0.001L | 0.007L | 0.014L | 0.002 L | 0.013L | 0.010L |
| MINIMUM | | | | | 0.001< | 0.001< | 0.001< | 0.0002< | 0.001< | 0.002< |
| STD DEV | | | | | 0.000L | 0.011L | 0.013L | 0.002 L | 0.303L | 0.009L |
| NO OF SAMPLES | | | | | 13 | 13 | 13 | 12 | 13 | 13 |

B.O.W./SITE: **PORCUPINE RIVER**
SAMPLE POINT: **HIGHWAY 101 WHITNEY TOWNSHIP**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE ONTARIO**
MINOR BASIN: **JAMES BAY SHORE**
TERM STREAM: **MOOSE RIVER**

STATION ID: **19-0064-003-02**
STORET CODE: **04**
**001**
**0230**

LAT
LONG
U T M: **17 0487025.0 5371100.0 4**
REGION: **05**
DISTANCE: **431.936**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 01 05 1150 | | | .3 | 1 | 13712 | 4 | 0.0 | | | 0.109 | 0.001 | 0.188 | 1.200 | 0.005 |
| 80 03 23 1140 | | | .3 | 1 | 13726 | 4 | 0.0 | 3.0 | | 0.024 | 0.008 | 0.010 | 0.600 | 0.003 |
| 80 06 02 1438 | | | .3 | 1 | 13766 | | 17.6 | 10.4 | 2.2 | 0.043 | 0.001< | 0.076 | 1.010 | 0.011 |
| 80 06 09 1110 | | | .3 | 1 | 13767 | | 12.0 | 1.3 | | 0.058 | 0.002 | 0.100 | 1.020 | 0.005 |
| 80 06 16 1002 | | | .3 | 1 | 13768 | | 12.5 | 8.4 | 2.4 | 0.068 | 0.001 | 0.008 | 0.850 | 0.003 |
| 80 06 23 1018 | | | .3 | 1 | 13769 | | 19.6 | 8.4 | 1.2 | 0.060 | 0.013 | 0.150 | 0.740 | 0.003 |
| 80 07 01 1025 | | | .3 | 1 | 13770 | | 17.0 | 8.2 | 3.4 | 0.090 | 0.008 | 0.118 | 0.900 | 0.029 |
| 80 07 07 1035 | | | .3 | 1 | 13771 | | 16.1 | 8.0 | 1.4 | 0.043 | 0.004 | 0.100 | 0.790 | 0.002 |
| 80 07 14 1104 | | | .3 | 1 | 13772 | | 21.5 | 8.9 | 1.4 | 0.065 | 0.007 | 0.106 | 0.800 | 0.004 |
| 80 07 21 1055 | | | .3 | 1 | 13773 | | 22.0 | 7.4 | 0.2 | 0.055 | 0.020 | 0.156 | 0.730 | 0.003 |
| 80 07 28 1135 | | | .3 | 1 | 13774 | | 22.6 | 7.5 | 1.4 | 0.092 | 0.037 | 0.304 | 1.100 | 0.007 |
| 80 08 05 1045 | | | .3 | 1 | 13775 | | 20.7 | 6.4 | 2.4 | 0.445 | 0.335 | 0.277 | 1.290 | 0.008 |
| 80 08 11 1040 | | | .3 | 1 | 13776 | | 21.0 | 6.3 | 1.2 | 0.083 | 0.041 | 0.120 | 0.720 | 0.002 |
| 80 08 18 1030 | | | .3 | 1 | 13777 | | 19.5 | 6.8 | 2.0 | 0.040 | 0.007 | 0.208 | 1.150 | 0.048 |
| 80 08 25 1055 | | | .3 | 1 | 13778 | | 20.9 | 7.4 | 1.6 | 0.060 | 0.002 | 0.036 | 0.780 | 0.002 |
| 80 10 14 1045 | | | .3 | 1 | 11883 | | 0.0 | 13.4 | 0.4 | 0.058 | 0.017 | 0.092 | 0.680 | 0.006 |
| MAXIMUM | | | | | | | 22.6 | 13.4 | 3.4 | 0.445 | 0.335 | 0.304 | 1.290 | 0.048 |
| ARITH MEAN | | | | | | | 15.2 | 7.5 | 1.6 | 0.087 | 0.031L | 0.128 | 0.897 | 0.009 |
| GEOM MEAN | | | | | | | 10.6 | 6.7 | 1.3 | 0.067 | 0.008L | 0.091 | 0.876 | 0.006 |
| MINIMUM | | | | | | | 0.0 | 1.3 | 0.2 | 0.024 | 0.001< | 0.008 | 0.600 | 0.002 |
| STD DEV | | | | | | | 8.1 | 2.8 | 0.9 | 0.098 | 0.082L | 0.086 | 0.206 | 0.012 |
| NO OF SAMPLES | | | | | | | 16 | 15 | 13 | 16 | 16 | 16 | 16 | 16 |

(CONTD)

| TEST-NAME: | | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 01 05 1150 | | | 3 | 1 | 0 120 | 0.313 | 1 012 | 1 325 | 508 0 | 42 0 | 466.0 | 660 0 | 5 40 | 26.500 |
| 80 03 23 1140 | | | 3 | 1 | 0.287 | 0.300 | 0 590 | 0 890 | 517 0 | 1 0 | 516 0 | 690 0 | 1 50 | 26 000 |
| 80 06 02 1438 | | | 3 | 1 | 0 075 | 0 162 | 0 934 | 1 096 | 361 0 | 8 0 | 353 0 | 490 0 | 2 80 | 21 000 |
| 80 06 09 1110 | | | 3 | 1 | 0 005 | 0 110 | 0 920 | 1 030 | 419 0 | 14 0 | 405 0 | 500 0 | 4 60 | 21 500 |
| 80 06 16 1002 | | | 3 | 1 | 0 002 | 0 013 | 0 842 | 0 855 | 398 0 | 24.0 | 374 0 | 550 0 | 4 70 | 21 500 |
| 80 06 23 1018 | | | 3 | 1 | 0 002 | 0 155 | 0 590 | 0 745 | 342 0 | 14 0 | 328 0 | 550 0 | 3 80 | 22 500 |
| 80 07 01 1025 | | | 3 | 1 | 0 005< | 0 152 | 0 782 | 0 934 | 473.0 | 31 0 | 442 0 | 550 0 | 13 00 | 28.000 |
| 80 07 07 1035 | | | .3 | 1 | 0.003 | 0 105 | 0 690 | 0 795 | 418 0 | 10 0 | 408 0 | 550 0 | 3 20 | 22 500 |
| 80 07 14 1104 | | | .3 | 1 | 0.001 | 0 111 | 0 694 | 0 805 | 466 0 | 12 0 | 454 0 | 550 0 | 3.40 | 22 500 |
| 80 07 21 1055 | | | .3 | 1 | 0.002 | 0 161 | 0 574 | 0 735 | | | | 550.0 | 3 00 | 24.000 |
| 80 07 28 1135 | | | .3 | 1 | 0.003 | 0 314 | 0 796 | 1 110 | 443.0 | 7.0 | 436 0 | 600 0 | 2 10 | 24.000 |
| 80 08 05 1045 | | | .3 | 1 | 0 012 | 0 297 | 1 013 | 1 310 | | 6.0 | | 600 0 | 2 50 | 19.500 |
| 80 08 11 1040 | | | .3 | 1 | 0.003 | 0 125 | 0 600 | 0 725 | 442.0 | 4.0 | 438 0 | 550 0 | 2.00 | 24.000 |
| 80 08 18 1030 | | | .3 | 1 | 0.046 | 0 302 | 0.942 | 1 244 | 468 0 | 12.0 | 456 0 | 550.0 | 4 30 | 4 850 |
| 80 08 25 1055 | | | .3 | 1 | 0.013 | 0 051 | 0 744 | 0 795 | 570.0 | 188.0 | 382 0 | 700 0 | 101 00 | 20 500 |
| 80 10 14 1045 | | | .3 | 1 | 0.044 | 0 142 | 0 588 | 0 730 | 486.0 | 17.0 | 469.0 | 660 0 | 2.50 | 27.000 |
| MAXIMUM | | | | | 0.287 | 0.314 | 1.013 | 1.325 | 570.0 | 188.0 | 516.0 | 700.0 | 101.00 | 28.000 |
| ARITH MEAN | | | | | 0.039L | 0.176 | 0.769 | 0.945 | 450.8 | 26.0 | 423.4 | 581.2 | 9.99 | 22.241 |
| GEOM MEAN | | | | | 0.010L | 0.141 | 0.754 | 0.924 | 446.8 | 12.7 | 420.4 | 578.0 | 4.19 | 21.100 |
| MINIMUM | | | | | 0.001< | 0.013 | 0.574 | 0.725 | 342.0 | 1.0 | 328.0 | 490.0 | 1.50 | 4.850 |
| STD DEV | | | | | 0.074L | 0.098 | 0.159 | 0.213 | 61.4 | 46.1 | 51.1 | 64.2 | 24.41 | 5.248 |
| NO OF SAMPLES | | | | | 16 | 16 | 16 | 16 | 14 | 15 | 14 | 16 | 16 | 16 |

| TEST-NAME: | | | | | ASUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT | CCNAUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 01 05 1150 | | | 3 | 1 | 0 003 | | | 0 020 | 0.030< | 0 005 < | 0 070 | 0 020< | 0 020< | |
| 80 03 23 1140 | | | .3 | 1 | 0 004 | | | 0 040 | 0 030< | 0 005 < | 0.020 | 0 020 | 0 020< | |
| 80 06 09 1110 | | | .3 | 1 | 0 008 | 0.240 | 0 020< | 0 020 | 0.030< | 0 005 < | 0.020 | 0 030 | 0 020< | 0 010< |
| 80 06 16 1002 | | | .3 | 1 | 0 004 | 0 680 | | 0 030 | 0.030< | 0 005 < | 0.020 | 0 020 | 0.020< | 0 010< |
| 80 06 23 1018 | | | .3 | 1 | 0 002 | 0 360 | 0 020< | 0 020 | 0.030< | 0 005 < | 0 020 | 0 020< | 0.020< | 0 010< |
| 80 07 01 1025 | | | .3 | 1 | 0 004 | 1.000 | 0 020< | 0 040 | 0.030< | 0 005 < | 0 020 | 0.020< | 0 020< | 0 010< |
| 80 07 07 1035 | | | .3 | 1 | 0 006 | 0 350 | 0 020< | 0 020< | 0.030< | 0 005 < | 0 020 | 0.020< | 0 070 | 0.010< |
| 80 07 14 1104 | | | .3 | 1 | 0 007 | 0 520 | 0 020< | 0 020 | 0.030< | 0 005 < | 0 010< | 0 020< | 0 020< | 0 010< |
| 80 07 21 1055 | | | .3 | 1 | 0 007 | 0 100 | 0 020 | 0 020 | 0.030< | 0 005 < | 0 010< | 0 020< | 0 020< | 0.010< |
| 80 07 28 1135 | | | .3 | 1 | 0 006 | 0 160 | 0 020< | 0 010< | 0 030< | 0 005 < | 0.010< | 0 020 | 0 020< | 0.010< |
| 80 08 05 1045 | | | .3 | 1 | 0 019 | 0 210 | 0 050 | 0 010 | 0 006< | 0 001 < | 0 010 | 0 020 | 0 020< | 0.010< |
| 80 08 11 1040 | | | .3 | 1 | 0 012 | 0 150 | 0 002< | 0 010 | 0 003< | 0 0002< | 0 007 | 0 015 | 0 002 | 0.010< |
| 80 08 18 1030 | | | .3 | 1 | 0 001 | 0 410 | 0 006 | 0 008 | 0.003< | 0 001 | 0 150 | 0 006 | 0 002< | 0.010< |
| 80 08 25 1055 | | | .3 | 1 | 0 014 | 0 075 | 0 002< | 0 011 | 0.003< | 0 001 < | 0 014 | 0 020 | 0 002< | 0 010< |
| 80 10 14 1045 | | | .3 | 1 | 0 008 | 0.075 | | 0 017 | 0.003< | | 0 530 | 0 020 | | |
| MAXIMUM | | | | | 0.019 | 1.000 | 0.050 | 0.040 | 0.030 | 0.005 | 0.530 | 0.030 | 0.070 | 0.010 |
| ARITH MEAN | | | | | 0.007 | 0.333 | 0.018L | 0.020L | 0.021L | 0.003 L | 0.062L | 0.019L | 0.020L | 0.010L |
| GEOM MEAN | | | | | 0.006 | 0.247 | 0.013L | 0.018L | 0.015L | 0.002 L | 0.023L | 0.019L | 0.013L | 0.010L |
| MINIMUM | | | | | 0.001 | 0.075 | 0.002< | 0.008< | 0.003< | 0.0002< | 0.007< | 0.006< | 0.002< | 0.010< |
| STD DEV | | | | | 0.006 | 0.271 | 0.013L | 0.010L | 0.013L | 0.002 L | 0.135L | 0.005L | 0.016L | 0.000L |
| NO OF SAMPLES | | | | | 15 | 13 | 11 | 15 | 15 | 14 | 15 | 15 | 14 | 12 |

| | | |
|---|---|---|
| B.O.W / SITE: **PORCUPINE RIVER**<br>SAMPLE POINT: **HIGHWAY 101 BRIDGE, HOYLE**<br>STATION TYPE: **RIVER FLOW GAUGE FED 02ND004** | MAJOR BASIN: **ARCTIC DRAINAGE ONTARIO**<br>MINOR BASIN: **JAMES BAY SHORE**<br>TERM STREAM: **MOOSE RIVER** | STATION ID: **19-0064-004-02**<br>STORET CODE: **04**<br>**001**<br>**0230** |
| LAT: LONG: | U T M: **17 0496000.0 5377200.0 4** | REGION: **05** DISTANCE: **404.739** |

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N |
| 80 01 05 1130 | | | 3 | 1 | 13711 | 4 | 1 210 | 0.0 | | | 0.106 | 0.051 | 0.120 | 0.700 |
| 80 03 23 1120 | | | .3 | 1 | 13725 | 4 | 0.560 | 0.0 | 0.0 | | 0.223 | 0.029 | 0.358 | 1.250 |
| 80 06 02 1512 | | | 3 | 1 | 13753 | | 5.960 | 16.2 | 9.6 | 1.8 | 0.076 | 0.003 | 0.092 | 0.880 |
| 80 06 09 1125 | | | .3 | 1 | 13754 | | 5.320 | 11.8 | 8.6 | | 0.055 | 0.006 | 0.074 | 0.820 |
| 80 06 16 1024 | | | .3 | 1 | 13755 | | 4.350 | 14.0 | 9.0 | 1.6 | 0.065 | 0.003 | 0.082 | 0.960 |
| 80 06 23 1039 | | | .3 | 1 | 13756 | | 3.040 | 17.0 | 8.3 | 1.2 | 0.071 | 0.005 | 0.152 | 0.960 |
| 80 07 01 1050 | | | .3 | 1 | 13757 | | 1.660 | 17.6 | 7.8 | 2.6 | 0.058 | 0.003 | 0.142 | 0.750 |
| 80 07 07 1037 | | | .3 | 1 | 13758 | | 9.690 | 16.1 | 8.0 | 1.6 | 0.065 | 0.007 | 0.172 | 1.320 |
| 80 07 14 1125 | | | .3 | 1 | 13759 | | 3.060 | 20.8 | 6.6 | 1.6 | 0.053 | 0.009 | 0.058 | 0.980 |
| 80 07 21 1120 | | | .3 | 1 | 13760 | | 1.880 | 22.8 | 6.4 | 0.8 | 0.055 | 0.011 | 0.184 | 1.130 |
| 80 07 28 1150 | | | .3 | 1 | 13761 | | 0.838 | 20.2 | 5.6 | 1.2 | 0.063 | 0.021 | 0.082 | 0.730 |
| 80 08 05 1115 | | | .3 | 1 | 13762 | | 1.420 | 21.3 | 5.6 | 1.6 | 0.075 | 0.025 | 0.157 | 0.800 |
| 80 08 11 1100 | | | .3 | 1 | 13763 | | 2.150 | 20.0 | 5.2 | 1.6 | 0.055 | 0.001 | 0.180 | 1.000 |
| 80 08 18 1055 | | | .3 | 1 | 13764 | | 2.230 | 16.8 | 6.1 | 1.0 | 0.081 | 0.045 | 0.172 | 0.840 |
| 80 08 25 1345 | | | .3 | 1 | 13765 | | 2.260 | 21.5 | 6.0 | 1.8 | 0.048 | 0.002 | 0.188 | 1.270 |
| 80 10 14 1115 | | | .3 | 1 | 11879 | | 4.790 | 0.5 | 11.7 | 0.6 | 0.058 | 0.015 | 0.052 | 0.820 |
| 80 12 18 1100 | | | .3 | 1 | 13880 | | 1.280 | | | 0.7 | 0.123 | 0.059 | 0.050 | 0.830 |
| MAXIMUM | | | | | | | 9.690 | 22.8 | 11.7 | 2.6 | 0.223 | 0.059 | 0.358 | 1.320 |
| ARITH MEAN | | | | | | | 3.041 | 14.8 | 7.0 | 1.4 | 0.078 | 0.017 | 0.136 | 0.944 |
| GEOM MEAN | | | | | | | 2.363 | 10.0 | 6.4 | 1.3 | 0.072 | 0.009 | 0.119 | 0.926 |
| MINIMUM | | | | | | | 0.560 | 0.0 | 0.0 | 0.6 | 0.048 | 0.001 | 0.050 | 0.700 |
| STD DEV | | | | | | | 2.347 | 7.8 | 2.6 | 0.5 | 0.042 | 0.016 | 0.076 | 0.194 |
| NO OF SAMPLES | | | | | | | 17 | 16 | 15 | 14 | 17 | 17 | 17 | 17 |

(CONTD)

SAMPLE INFORMATION SYSTEM　　1980 WATER QUALITY DATA　　DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **PORCUPINE RIVER**
SAMPLE POINT: **HIGHWAY 101 BRIDGE, HOYLE**
STATION TYPE: **RIVER FLOW GAUGE FED 02MD004**

MAJOR BASIN: **ARCTIC DRAINAGE ONTARIO**
MINOR BASIN: **JAMES BAY SHORE**
TERM STREAM: **MOOSE RIVER**

STATION ID: **19-0064-004-02**
STORET CODE: **04**
**001**
**0230**

LAT:
LONG:
U T M: **17 0496000.0 5377200.0 4**
REGION: **05**
DISTANCE: **404.730**

| TEST-NAME: | | | | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 01 05 1130 | | | .3 | 1 | 0.010 | 0.425 | 0.555 | 0.580 | 1.135 | 436.0 | 8.0 | 428.0 | 560.0 | 9.20 |
| 80 03 23 1120 | | | .3 | 1 | 0.003 | 0.002 | 0.363 | 0.892 | 1.255 | 988.0 | 11.0 | 977.0 | 1160.0 | 7.60 |
| 80 06 02 1512 | | | .3 | 1 | 0.010 | 0.028 | 0.130 | 0.788 | 0.918 | 280.0 | 23.0 | 257.000 | 395.0 | 15.00 |
| 80 06 09 1125 | | | .3 | 1 | 0.007 | 0.063 | 0.144 | 0.746 | 0.890 | 427.0 | 12.0 | 415.0 | 500.0 | 8.00 |
| 80 06 16 1024 | | | .3 | 1 | 0.007 | 0.013 | 0.102 | 0.878 | 0.980 | 286.0 | 13.0 | 273.000 | 420.0 | 5.60 |
| 80 06 23 1039 | | | .3 | 1 | 0.005 | 0.005 | 0.162 | 0.808 | 0.970 | 425.0 | 18.0 | 407.0 | 500.0 | 6.70 |
| 80 07 01 1050 | | | .3 | 1 | 0.005 | 0.005 | 0.152 | 0.608 | 0.760 | 525.0 | 11.0 | 514.0 | 650.0 | 5.30 |
| 80 07 07 1037 | | | .3 | 1 | 0.012 | 0.103 | 0.287 | 1.148 | 1.435 | 112.0 | 20.0 | 192.000 | 295.0 | 9.30 |
| 80 07 14 1125 | | | .3 | 1 | 0.008 | 0.002 | 0.068 | 0.922 | 0.990 | 235.0 | 17.0 | 218.000 | 335.0 | 5.30 |
| 80 07 21 1120 | | | .3 | 1 | 0.008 | 0.002 | 0.194 | 0.946 | 1.140 | 289.0 | 9.0 | 280.000 | 430.0 | 4.20 |
| 80 07 28 1150 | | | .3 | 1 | 0.009 | 0.006 | 0.097 | 0.648 | 0.745 | 467.0 | 6.0 | 461.0 | 600.0 | 2.90 |
| 80 08 05 1115 | | | .3 | 1 | 0.004 | 0.006 | 0.167 | 0.643 | 0.810 | 661.0 | 8.0 | 653.0 | 850.0 | 3.80 |
| 80 08 11 1100 | | | .3 | 1 | 0.006 | 0.014 | 0.200 | 0.820 | 1.020 | 667.0 | 9.0 | 658.0 | 800.0 | 2.30 |
| 80 08 18 1055 | | | .3 | 1 | 0.005 | 0.005< | 0.182 | 0.668 | 0.850 | 448.0 | 3.0 | 445.0 | 600.0 | 0.57 |
| 80 08 25 1345 | | | .3 | 1 | 0.008 | 0.067 | 0.263 | 1.082 | 1.345 | 509.0 | 9.0 | 500.0 | 600.0 | 3.80 |
| 80 10 14 1115 | | | .3 | 1 | 0.009 | 0.146 | 0.207 | 0.768 | 0.975 | 356.0 | 17.0 | 339.0 | 440.0 | 4.80 |
| 80 12 18 1100 | | | .3 | 1 | 0.150 | 0.620 | 0.820 | 0.780 | 1.600 | 397.0 | 12.0 | 385.0 | 475.0 | 9.70 |
| | | | MAXIMUM | | 0.150 | 0.620 | 0.820 | 1.148 | 1.600 | 988.0 | 23.0 | 977.0 | 1160.0 | 15.00 |
| | | | ARITH MEAN | | 0.016 | 0.089L | 0.241 | 0.807 | 1.048 | 441.6 | 12.1 | 435.4 | 565.3 | 6.12 |
| | | | GEOM MEAN | | 0.008 | 0.018L | 0.196 | 0.793 | 1.024 | 399.2 | 10.9 | 399.9 | 533.3 | 5.04 |
| | | | MINIMUM | | 0.003 | 0.002< | 0.068 | 0.580 | 0.745 | 112.0 | 3.0 | 192.000 | 295.0 | 0.57 |
| | | | STD DEV | | 0.035 | 0.172L | 0.189 | 0.169 | 0.242 | 200.7 | 5.3 | 194.1 | 213.2 | 3.45 |
| | | | NO OF SAMPLES | | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |

| TEST-NAME: | | | | CLIDUR | ASUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHLORIDE UNF.REAC MG/L AS CL | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 01 05 1130 | | | .3 | 1 | 12.500 | 0.008 | | | 0.030 | 0.030< | 0.005 < | 0.030 | 0.020< | 0.020< |
| 80 03 23 1120 | | | .3 | 1 | 17.000 | 0.002 | | | 0.020 | 0.030< | 0.005 < | 0.030 | 0.020< | 0.020< |
| 80 06 02 1512 | | | .3 | 1 | 7.150 | | | | | | | | | |
| 80 06 09 1125 | | | .3 | 1 | 7.100 | 0.001 | 0.860 | 0.020< | 0.030 | 0.030< | 0.005 < | 0.100 | 0.020< | 0.020< |
| 80 06 16 1024 | | | .3 | 1 | 7.200 | 0.001 | 0.820 | | 0.020 | 0.030< | 0.005 < | 0.070 | 0.020< | 0.020< |
| 80 06 23 1039 | | | .3 | 1 | 8.050 | 0.001< | 0.860 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.040 | 0.020< | 0.020< |
| 80 07 01 1050 | | | .3 | 1 | 10.500 | 0.001< | 0.340 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.030 | 0.020< | 0.020< |
| 80 07 07 1037 | | | .3 | 1 | 3.050 | 0.001 | 1.600 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.100 | 0.020< | 0.020< |
| 80 07 14 1125 | | | .3 | 1 | 4.150 | 0.002 | 1.000 | 0.020< | 0.010 | 0.030< | 0.005 < | 0.050 | 0.020< | 0.020< |
| 80 07 21 1120 | | | .3 | 1 | 5.250 | 0.002 | 0.270 | 0.020 | 0.020 | 0.030< | 0.005 < | 0.040 | 0.020< | 0.020< |
| 80 07 28 1150 | | | .3 | 1 | 6.700 | 0.002 | 0.260 | 0.020< | 0.010< | 0.030< | 0.005 < | 0.080 | 0.020< | 0.020< |
| 80 08 05 1115 | | | .3 | 1 | 8.000 | 0.002 | 0.190 | 0.020< | 0.007 | 0.006< | 0.002 | 0.010 | 0.009 | 0.020< |
| 80 08 11 1100 | | | .3 | 1 | 5.700 | 0.001 | 0.200 | 0.002< | 0.004 | 0.005 | 0.0003 | 0.270 | 0.004 | 0.003 |
| 80 08 18 1055 | | | .3 | 1 | 24.000 | 0.013 | 0.049 | 0.007 | 0.009 | 0.003< | 0.0002< | 0.008 | 0.023 | 0.002< |
| 80 08 25 1345 | | | .3 | 1 | 6.850 | 0.001 | 0.300 | 0.002 | 0.012 | 0.003< | 0.001 < | 0.290 | 0.006 | 0.002< |
| 80 10 14 1115 | | | .3 | 1 | 8.000 | 0.002 | 0.510 | | 0.009 | 0.005 | | 0.520 | 0.006 | |
| 80 12 18 1100 | | | .3 | 1 | 13.500 | | | | | | | | | |
| | | | MAXIMUM | | 24.000 | 0.013 | 1.600 | 0.020 | 0.030 | 0.030 | 0.005 | 0.520 | 0.023 | 0.020 |
| | | | ARITH MEAN | | 9.100 | 0.003L | 0.558 | 0.016L | 0.014L | 0.021L | 0.003 L | 0.111 | 0.017L | 0.016L |
| | | | GEOM MEAN | | 8.023 | 0.002L | 0.399 | 0.012L | 0.012L | 0.016L | 0.002 L | 0.069 | 0.015L | 0.013L |
| | | | MINIMUM | | 3.050 | 0.001< | 0.049 | 0.002< | 0.004< | 0.003< | 0.0002< | 0.008 | 0.004< | 0.002< |
| | | | STD DEV | | 5.187 | 0.003L | 0.442 | 0.008L | 0.008L | 0.013L | 0.002 L | 0.142 | 0.007L | 0.008L |
| | | | NO OF SAMPLES | | 17 | 15 | 13 | 11 | 15 | 15 | 14 | 15 | 15 | 14 |

| TEST-NAME: | | | | CCNAUR |
|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CYANIDE AVAIL UNF.REAC MG/L AS HCN |
| 80 06 09 1125 | | | .3 | 1 | 0.010< |
| 80 06 16 1024 | | | .3 | 1 | 0.010< |
| 80 06 23 1039 | | | .3 | 1 | 0.010< |
| 80 07 01 1050 | | | .3 | 1 | 0.010< |
| 80 07 07 1037 | | | .3 | 1 | 0.010< |
| 80 07 14 1125 | | | .3 | 1 | 0.010< |
| 80 07 21 1120 | | | .3 | 1 | 0.010< |
| 80 07 28 1150 | | | .3 | 1 | 0.010< |
| 80 08 05 1115 | | | .3 | 1 | 0.010< |
| 80 08 11 1100 | | | .3 | 1 | 0.010< |
| 80 08 18 1055 | | | .3 | 1 | 0.010< |
| 80 08 25 1345 | | | .3 | 1 | 0.010< |
| | | | MAXIMUM | | 0.010 |
| | | | ARITH MEAN | | 0.010L |
| | | | GEOM MEAN | | 0.010L |
| | | | MINIMUM | | 0.010< |
| | | | STD DEV | | 0.000L |
| | | | NO OF SAMPLES | | 12 |

B.O.W./ SITE: **ABITIBI RIVER**
SAMPLE POINT: **UPSTREAM FROM ABITIBI PAPER COMPANY**
STATION TYPE: **RIVER FLOW GAUGE FED 04MC001**

MAJOR BASIN: **ARCTIC DRAINAGE ONTARIO**
MINOR BASIN: **JAMES BAY SHORE**
TERM STREAM: **MOOSE RIVER**

STATION ID: **19-0064-006-02**
STORET CODE: **04**
**001**
**0230**

LAT: LONG: U T M: **17 0524325.0 5400950.0 4** REGION: **05** DISTANCE: **373.388**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 01 05 0950 | | | .3 | 1 | 13709 | 4 | 245.000 | 0.0 | 12.0 | 0.081 | 0.053 | 0.026 | 0.430 | 0.028 |
| 80 03 23 0945 | | | .3 | 1 | 13723 | 9 | 199.000 | 0.0 | 6.0 | 0.068 | 0.038 | 0.016 | 0.550 | 0.020 |
| MAXIMUM | | | | | | | 245.000 | 0 | 12.0 | 0.081 | 0.053 | 0.026 | 0.550 | 0.028 |
| ARITH MEAN | | | | | | | 222.000 | 0.0 | 9.0 | 0.074 | 0.045 | 0.021 | 0.490 | 0.024 |
| GEOM MEAN | | | | | | | 220.805 | | 8.5 | 0.074 | 0.045 | 0.020 | 0.486 | 0.024 |
| MINIMUM | | | | | | | 199.000 | 0.0 | 6.0 | 0.068 | 0.038 | 0.016 | 0.430 | 0.020 |
| STD DEV | | | | | | | 32.527 | | 4.2 | 0.009 | 0.011 | 0.007 | 0.085 | 0.006 |
| NO OF SAMPLES | | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHl ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 01 05 0950 | | | .3 | 1 | 0.247 | 0.301 | 0.404 | 0.705 | 78.0 | 5.0 | 73.000 | 113.0 | 59.00 | 1.650 |
| 80 03 23 0945 | | | .3 | 1 | 0.300 | 0.336 | 0.534 | 0.870 | 95.0 | 1.0 | 94.000 | 144.0 | 41.50 | 1.100 |
| MAXIMUM | | | | | 0.300 | 0.336 | 0.534 | 0.870 | 95.0 | 5.0 | 94.000 | 144.0 | 59.00 | 1.650 |
| ARITH MEAN | | | | | 0.273 | 0.318 | 0.469 | 0.787 | 86.5 | 3.0 | 83.500 | 128.5 | 50.25 | 1.375 |
| GEOM MEAN | | | | | 0.272 | 0.318 | 0.464 | 0.783 | 86.1 | 2.2 | 82.837 | 127.6 | 49.48 | 1.347 |
| MINIMUM | | | | | 0.247 | 0.301 | 0.404 | 0.705 | 78.0 | 1.0 | 73.000 | 113.0 | 41.50 | 1.100 |
| STD DEV | | | | | 0.037 | 0.025 | 0.092 | 0.117 | 12.0 | 2.8 | 14.849 | 21.9 | 12.37 | 0.389 |
| NO OF SAMPLES | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | ALUT | CUUT | PBUT | CDUT | ZNUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN |
| 80 03 23 0945 | | | 3 | 1 | 3.500 | 0.010< | 0.030< | 0.005< | 0.030 |
| MAXIMUM | | | | | 3.500 | 0.010 | 0.030 | 0.005 | 0.030 |
| ARITH MEAN | | | | | 3.500 | 0.010L | 0.030L | 0.005L | 0.030 |
| GEOM MEAN | | | | | | | | | |
| MINIMUM | | | | | 3.500 | 0.010< | 0.030< | 0.005< | 0.030 |
| STD DEV | | | | | | | | | |
| NO OF SAMPLES | | | | | 1 | 1 | 1 | 1 | 1 |

B.O.W./ SITE: **BLACK RIVER**
SAMPLE POINT: **HIGHWAY 101 TOWN OF MATHESON**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE ONTARIO**
MINOR BASIN: **JAMES BAY SHORE**
TERM STREAM: **MOOSE RIVER**

STATION ID: **19-0064-007-02**
STORET CODE: **04**
**001**
**0230**

LAT. LONG: U T M: **17 0539500.0 5376150.0 4** REGION: **05** DISTANCE: **422.763**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 01 05 1045 | | | .3 | 1 | 13710 | 4 | 0.0 | 9.0 | 1.2 | 0.035 | 0.005 | 0.026 | 0.62 | 0.007 |
| 80 03 23 1040 | | | .3 | 1 | 13724 | 4 | 0.0 | 6.0 | | 0.023 | 0.004 | 0.038 | 0.280 | 0.004 |
| 80 06 02 1619 | | | .3 | 1 | 13779 | | 16.7 | 9.4 | 0.8 | 0.031 | 0.006 | 0.060 | 0.520 | 0.006 |
| 80 06 09 1205 | | | .3 | 1 | 13780 | | 11.4 | 10.2 | 0.8 | 0.092 | 0.027 | 0.042 | 0.700 | 0.018 |
| 80 06 16 1110 | | | .3 | 1 | 13781 | | 12.5 | 9.0 | 1.0 | 0.035 | 0.005 | 0.038 | 0.620 | 0.008 |
| 80 06 23 1125 | | | .3 | 1 | 13782 | | 17.8 | 9.2 | 0.8 | 0.027 | 0.003 | 0.059 | 0.610 | 0.006 |
| 80 07 01 1138 | | | .3 | 1 | 13783 | | 17.8 | 8.4 | 1.2 | 0.032 | 0.008 | 0.048 | 0.450 | 0.008 |
| 80 07 07 1150 | | | .3 | 1 | 13784 | | 17.7 | 8.8 | 1.0 | 0.068 | 0.014 | 0.070 | 0.820 | 0.014 |
| 80 07 14 1115 | | | .3 | 1 | 13785 | | 21.9 | 7.9 | 1.4 | 0.063 | 0.017 | 0.126 | 0.830 | 0.007 |
| 80 07 21 1205 | | | .3 | 1 | 13786 | | 23.1 | 7.9 | 0.6 | 0.038 | 0.013 | 0.228 | 0.850 | 0.007 |
| 80 07 28 1240 | | | .3 | 1 | 13787 | | 21.9 | 7.3 | 1.0 | 0.050 | 0.015 | 0.058 | 0.500 | 0.028 |
| 80 08 05 1150 | | | .3 | 1 | 13788 | | 22.3 | 7.4 | 1.4 | 0.055 | 0.015 | 0.104 | 0.580 | 0.008 |
| 80 08 11 1135 | | | .3 | 1 | 13789 | | 22.0 | 6.5 | 1.2 | 0.045 | 0.004 | 0.110 | 0.700 | 0.006 |
| 80 08 18 1130 | | | .3 | 1 | 13790 | | 17.8 | 8.8 | 1.2 | 0.023 | 0.008 | 0.076 | 0.600 | 0.011 |
| 80 08 25 1430 | | | .3 | 1 | 13798 | | 23.0 | 8.8 | 2.0 | 0.045 | 0.005 | 0.148 | 1.010 | 0.007 |
| 80 12 18 1200 | | | .3 | 1 | 13888 | | | | 2.8 | 0.065 | 0.010 | 0.010 | 0.520 | 0.023 |
| MAXIMUM | | | | | | | 23.1 | 10.2 | 2.8 | 0.092 | 0.027 | 0.228 | 1.010 | 0.028 |
| ARITH MEAN | | | | | | | 16.4 | 8.3 | 1.2 | 0.046 | 0.010 | 0.078 | 0.63 | 0.010 |
| GEOM MEAN | | | | | | | 12.5 | 8.2 | 1.1 | 0.042 | 0.008 | 0.061 | 0.61 | 0.009 |
| MINIMUM | | | | | | | 0.0 | 6.0 | 0.6 | 0.023 | 0.003 | 0.010 | 0.280 | 0.004 |
| STD DEV | | | | | | | 7.6 | 1.1 | 0.5 | 0.019 | 0.006 | 0.055 | 0.17 | 0.007 |
| NO OF SAMPLES | | | | | | | 15 | 15 | 15 | 16 | 16 | 16 | 16 | 16 |

| TEST-NAME: | | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 01 05 1045 | | | .3 | 1 | 0.033 | 0.066 | 0.594 | 0.660 | 84 | 12 | 72 | 110 | 7.5 | 1.60 |
| 80 03 23 1040 | | | .3 | 1 | 0.281 | 0.323 | 0.242 | 0.565 | 190.0 | 11.0 | 179.000 | 275.0 | 8.30 | 22.500 |
| 80 06 02 1619 | | | .3 | 1 | 0.004 | 0.070 | 0.460 | 0.530 | 106.0 | 18.0 | 88.000 | 135.0 | 17.00 | 0.800 |
| 80 06 09 1205 | | | .3 | 1 | 0.157 | 0.217 | 0.658 | 0.875 | 155.0 | 54.0 | 101.000 | 155.0 | 59.00 | 2.650 |
| 80 06 16 1110 | | | .3 | 1 | 0.042 | 0.088 | 0.582 | 0.670 | 78.0 | 19.0 | 59.000 | 90.0 | 17.00 | 1.200 |
| 80 06 23 1125 | | | .3 | 1 | 0.014 | 0.079 | 0.551 | 0.630 | 83.0 | 11.0 | 72.000 | 110.0 | 8.00 | 1.250 |
| 80 07 01 1138 | | | .3 | 1 | 0.007 | 0.063 | 0.402 | 0.465 | 82.0 | 10.0 | 72.000 | 110.0 | 9.40 | 0.900 |
| 80 07 07 1150 | | | .3 | 1 | 0.043 | 0.127 | 0.750 | 0.877 | 110.0 | 32.0 | 78.000 | 120.0 | 28.00 | 2.000 |
| 80 07 14 1115 | | | .3 | 1 | 0.003 | 0.136 | 0.704 | 0.840 | 93.0 | 18.0 | 75.000 | 115.0 | 13.00 | 1.200 |
| 80 07 21 1205 | | | .3 | 1 | 0.013 | 0.248 | 0.622 | 0.870 | 101.0 | 13.0 | 88.000 | 135.0 | 13.00 | 1.400 |
| 80 07 28 1240 | | | .3 | 1 | 0.005< | 0.091 | 0.442 | 0.533 | 112.0 | 11.0 | 101.000 | 155.0 | 11.00 | 1.250 |
| 80 08 05 1150 | | | .3 | 1 | 0.012 | 0.124 | 0.476 | 0.600 | 130.0 | 13.0 | 117.000 | 180.0 | 12.00 | 1.450 |

(CONTD)

SAMPLE INFORMATION SYSTEM    1980 WATER QUALITY DATA    DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **BLACK RIVER**
SAMPLE POINT: **HIGHWAY 101 TOWN OF MATHESON**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE ONTARIO**
MINOR BASIN: **JAMES BAY SHORE**
TERM STREAM: **MOOSE RIVER**

STATION ID: **19-0064-007-02**
STORET CODE: **04**
**001**
**0230**

LAT:    LONG:    U T M: **17 0539500.0 5376150.0 4**    REGION: **05**    DISTANCE: **422.763**

| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 08 11 1135 |  | .3 | 1 | 0.004 | 0.120 | 0.590 | 0.710 | 132.0 | 15.0 | 117.000 | 180.0 | 13.00 | 1.900 |
| 80 08 18 1130 |  | .3 | 1 | 0.005< | 0.092 | 0.524 | 0.616 | 98.0 | 13.0 | 85.000 | 130.0 | 8.70 | 1.200 |
| 80 08 25 1430 |  | .3 | 1 | 0.013 | 0.166 | 0.862 | 1.030 | 102.0 | 17.0 | 85.000 | 130.0 | 12.00 | 1.650 |
| 80 12 18 1200 |  | .3 | 1 | 1.580 | 1.613 | 0.510 | 2.123 | 165.0 | 54.0 | 111.000 | 170.0 | 32.00 | 1.400 |
| MAXIMUM |  |  |  | 1.580 | 1.613 | 0.862 | 2.123 | 190.0 | 54.0 | 179.000 | 275.0 | 59.00 | 22.500 |
| ARITH MEAN |  |  |  | 0.138L | 0.227 | 0.561 | 0.787 | 113 | 20 | 93 | 143 | 16.8 | 2.77 |
| GEOM MEAN |  |  |  | 0.021L | 0.139 | 0.540 | 0.731 | 109 | 17 | 90 | 138 | 13.9 | 1.65 |
| MINIMUM |  |  |  | 0.003< | 0.063 | 0.242 | 0.465 | 78.0 | 10.0 | 59.000 | 90.0 | 7.5 | 0.800 |
| STD DEV |  |  |  | 0.391L | 0.377 | 0.147 | 0.390 | 32 | 14 | 28 | 44 | 13.2 | 5.28 |
| NO OF SAMPLES |  |  |  | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |

| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ASUT | ALUT | CRUT | CUUT | PBUT | CDUT | ZNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 01 05 1045 |  | .3 | 1 | 0.010< | 0.70 |  | 0.005 | 0.003< | 0.0002< | 0.22 |  |  |
| 80 03 23 1040 |  | .3 | 1 |  | 0.610 |  | 0.010 < | 0.030< | 0.005 < | 0.020 |  |  |
| 80 06 02 1619 |  | .3 | 1 | 0.001 | 1.400 |  | 0.010 < | 0.030< | 0.005 < | 0.020 |  |  |
| 80 06 09 1205 |  | .3 | 1 | 0.001 | 5.300 |  | 0.010 < | 0.040 | 0.005 < | 0.010 |  |  |
| 80 06 16 1110 |  | .3 | 1 |  | 1.800 |  | 0.020 | 0.030< | 0.005 < | 0.010< |  |  |
| 80 06 23 1125 |  | .3 | 1 | 0.001< | 0.810 |  | 0.010 < | 0.030< | 0.005 < | 0.010< |  |  |
| 80 07 01 1138 |  | .3 | 1 | 0.001 | 0.810 |  | 0.010 < | 0.030< | 0.005 < | 0.010< |  |  |
| 80 07 07 1150 |  | .3 | 1 | 0.001< | 3.500 |  | 0.010 < | 0.030< | 0.005 < | 0.010< |  |  |
| 80 07 14 1115 |  | .3 | 1 | 0.001< | 1.400 |  | 0.010 < | 0.030< | 0.005 < | 0.010< |  |  |
| 80 07 21 1205 |  | .3 | 1 | 0.001< | 0.450 | 0.020< | 0.010 < | 0.030< | 0.005 < | 0.020 | 0.020< | 0.020< |
| 80 07 28 1240 |  | .3 | 1 | 0.001< | 0.850 |  | 0.010 < | 0.030< | 0.005 < | 0.020 |  |  |
| 80 08 05 1150 |  | .3 | 1 | 0.001 | 0.320 |  | 0.002 < | 0.006< | 0.001 < | 0.005 |  |  |
| 80 08 11 1135 |  | .3 | 1 | 0.001 | 0.720 |  | 0.002 | 0.001< | 0.0002 | 0.008 |  |  |
| 80 08 18 1130 |  | .3 | 1 | 0.001 | 0.840 |  | 0.002 | 0.003< | 0.0005 | 0.009 |  |  |
| 80 08 25 1430 |  | .3 | 1 | 0.001 | 0.860 |  | 0.004 | 0.003< | 0.002 | 0.035 |  |  |
| 80 12 18 1200 |  | .3 | 1 | 0.001< | 4.000 |  | 0.0003 | 0.003< | 0.0003 | 0.010 |  |  |
| MAXIMUM |  |  |  | 0.010 | 5.300 | 0.020 | 0.020 | 0.040 | 0.005 | 0.22 | 0.020 | 0.020 |
| ARITH MEAN |  |  |  | 0.002L | 1.62 | 0.020L | 0.007 L | 0.021L | 0.003 L | 0.02 L | 0.020L | 0.020L |
| GEOM MEAN |  |  |  | 0.001L | 1.10 |  | 0.006 L | 0.013L | 0.002 L | 0.01 L |  |  |
| MINIMUM |  |  |  | 0.001< | 0.320 | 0.020< | 0.0003< | 0.001< | 0.0002< | 0.005< | 0.020< | 0.020< |
| STD DEV |  |  |  | 0.002L | 1.45 |  | 0.005 L | 0.014L | 0.002 L | 0.05 L |  |  |
| NO OF SAMPLES |  |  |  | 14 | 16 | 1 | 16 | 16 | 16 | 16 | 1 | 1 |

B.O.W / SITE: **MATTAWISHKWIA RIVER**
SAMPLE POINT: **HIGHWAY 11 TOWN OF HEARST**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE ONTARIO**
MINOR BASIN: **JAMES BAY SHORE**
TERM STREAM: **MOOSE RIVER**

STATION ID: **19-0064-008-02**
STORET CODE: **04**
**001**
**0230**

LAT:    LONG:    U T M: **17 0310050.0 5506750.0 4**    REGION: **05**    DISTANCE: **344.380**

| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE | FWSTRC | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 01 04 1500 |  | .3 | 1 | 13702 | 4 | 0.0 | 10.0 | 0.8 | 0.057 | 0.034 | 0.150 | 0.710 | 0.007 |
| 80 03 22 1315 |  | .3 | 1 | 13716 | 4 | 0.0 | 8.0 | 3.2 | 0.195 | 0.112 | 1.300 | 2.580 | 0.008 |
| MAXIMUM |  |  |  |  |  | 0 | 10.0 | 3.2 | 0.195 | 0.112 | 1.300 | 2.580 | 0.008 |
| ARITH MEAN |  |  |  |  |  | 0.0 | 9.0 | 2.0 | 0.126 | 0.073 | 0.725 | 1.645 | 0.007 |
| GEOM MEAN |  |  |  |  |  |  | 8.9 | 1.6 | 0.106 | 0.062 | 0.442 | 1.353 | 0.007 |
| MINIMUM |  |  |  |  |  | 0.0 | 8.0 | 0.8 | 0.057 | 0.034 | 0.150 | 0.710 | 0.007 |
| STD DEV |  |  |  |  |  |  | 1.4 | 1.7 | 0.098 | 0.055 | 0.813 | 1.322 | 0.001 |
| NO OF SAMPLES |  |  |  |  |  | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 01 04 1500 |  | .3 | 1 | 0.143 | 0.300 | 0.560 | 0.860 | 96.0 | 2.0 | 94.000 | 145.0 | 2.60 | 1.600 |
| 80 03 22 1315 |  | .3 | 1 | 0.292 | 1.600 | 1.280 | 2.880 | 196.0 | 7.0 | 189.000 | 290.0 | 3.70 | 7.800 |
| MAXIMUM |  |  |  | 0.292 | 1.600 | 1.280 | 2.880 | 196.0 | 7.0 | 189.000 | 290.0 | 3.70 | 7.800 |
| ARITH MEAN |  |  |  | 0.217 | 0.950 | 0.920 | 1.870 | 146.0 | 4.5 | 141.500 | 217.5 | 3.15 | 4.700 |
| GEOM MEAN |  |  |  | 0.204 | 0.693 | 0.847 | 1.574 | 137.2 | 3.7 | 133.289 | 205.1 | 3.10 | 3.533 |
| MINIMUM |  |  |  | 0.143 | 0.300 | 0.560 | 0.860 | 96.0 | 2.0 | 94.000 | 145.0 | 2.60 | 1.600 |
| STD DEV |  |  |  | 0.105 | 0.919 | 0.509 | 1.428 | 70.7 | 3.5 | 67.175 | 102.5 | 0.78 | 4.384 |
| NO OF SAMPLES |  |  |  | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **KAPUSKASING RIVER**
SAMPLE POINT: **UPSTREAM FROM SPRUCE FALLS PAPER COMPANY**
STATION TYPE: **RIVER FLOW GAUGE FED 04LF001**

MAJOR BASIN: **ARCTIC DRAINAGE ONTARIO**
MINOR BASIN: **JAMES BAY SHORE**
TERM STREAM: **MOOSE RIVER**

STATION ID: **19-0064-009-02**
STORET CODE: **04**
**001**
**0230**

LAT:
LONG:
U T M: **17 0396000.0 5473400.0 4**
REGION: **05**
DISTANCE: **300.930**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N |
| 80 01 04 1635 | | | .3 | 1 | 13704 | 4 | 30.600 | 0.0 | 13.0 | 0.4 | 0.011 | 0.001 | 0.030 | 0.390 |
| 80 03 22 1540 | | | .3 | 1 | 13718 | 4 | 13.100 | 0.0 | 8.0 | 0.2 | 0.008 | 0.001< | 0.012 | 0.380 |
| 80 06 04 1705 | | | .3 | 1 | 13867 | | 140.000 | 15.3 | 9.6 | 0.6 | 0.017 | 0.002 | 0.102 | 0.420 |
| 80 06 11 1600 | | | .3 | 1 | 13868 | | 153.000 | 12.9 | 10.4 | 1.0 | 0.058 | 0.008 | 0.096 | 0.750 |
| 80 06 18 1756 | | | .3 | 1 | 13869 | | 101.000 | 14.5 | 9.7 | 0.6 | 0.047 | 0.015 | 0.024 | 0.640 |
| 80 06 25 1700 | | | .3 | 1 | 13870 | | 62.900 | 18.8 | 7.7 | 0.8 | 0.025 | 0.001 | 0.064 | 0.650 |
| 80 07 03 1115 | | | .3 | 1 | 13871 | | 47.000 | 17.7 | 7.0 | 0.8 | 0.020 | 0.004 | 0.018 | 0.500 |
| 80 07 09 1615 | | | .3 | 1 | 13872 | | 106.000 | 19.1 | 8.2 | 1.2 | 0.027 | 0.003 | 0.054 | 0.730 |
| 80 07 16 1735 | | | .3 | 1 | 13873 | | 44.300 | 20.1 | 6.4 | 1.2 | 0.015 | 0.001 | 0.018 | 0.680 |
| 80 07 23 1845 | | | .3 | 1 | 13874 | | 32.600 | 21.3 | 4.6 | 0.8 | 0.015 | 0.003 | 0.066 | 0.630 |
| 80 07 30 1915 | | | .3 | 1 | 13875 | | 22.700 | 21.4 | 3.3 | 1.0 | 0.320 | 0.255 | 0.008 | 0.750 |
| 80 08 07 1845 | | | .3 | 1 | 13876 | | 12.500 | 22.2 | 2.9 | 0.8 | 0.140 | 0.087 | 0.176 | 0.880 |
| 80 08 13 1810 | | | .3 | 1 | 13877 | | 20.700 | 19.8 | 2.6 | 2.8 | 0.036 | 0.003 | 0.134 | 0.770 |
| 80 08 20 1810 | | | .3 | 1 | 13878 | | 22.700 | 22.0 | 2.3 | 2.0 | 0.021 | 0.002 | 0.094 | 0.700 |
| 80 08 27 1710 | | | .3 | 1 | 13879 | | 19.300 | 20.5 | 4.0 | 0.8 | 0.023 | 0.010 | 0.166 | 0.680 |
| 80 12 19 1700 | | | .3 | 1 | 13892 | | 18.100 | | | 0.6 | 0.018 | 0.006 | 0.042 | 0.530 |
| MAXIMUM | | | | | | | **163.000** | **22.2** | **13.0** | **2.8** | **0.320** | **0.265** | **0.176** | **0.880** |
| ARITH MEAN | | | | | | | **52.906** | **16.4** | **6.6** | **1.0** | **0.050** | **0.025L** | **0.069** | **0.630** |
| GEOM MEAN | | | | | | | **37.920** | **12.6** | **5.8** | **0.8** | **0.028** | **0.005L** | **0.048** | **0.612** |
| MINIMUM | | | | | | | **12.500** | **0.0** | **2.3** | **0.2** | **0.008** | **0.001<** | **0.008** | **0.380** |
| STD DEV | | | | | | | **46.386** | **7.2** | **3.3** | **0.6** | **0.079** | **0.065L** | **0.064** | **0.147** |
| NO OF SAMPLES | | | | | | | **16** | **15** | **15** | **16** | **16** | **16** | **16** | **16** |

| TEST-NAME: | | | | | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 01 04 1635 | | | .3 | 1 | 0.005 | 0.120 | 0.155 | 0.360 | 0.515 | 96.0 | 5.0 | 91.000 | 140.0 | 1.90 |
| 80 03 22 1540 | | | .3 | 1 | 0.003 | 0.207 | 0.222 | 0.368 | 0.590 | 115.0 | 1.0 | 114.000 | 175.0 | 1.70 |
| 80 06 04 1705 | | | .3 | 1 | 0.005 | 0.025 | 0.132 | 0.318 | 0.450 | 86.00 | 8.00 | 78.000 | 120.0 | 4.30 |
| 80 06 11 1600 | | | .3 | 1 | 0.005 | 0.025 | 0.126 | 0.654 | 0.780 | 89.00 | 14.00 | 75.000 | 115.0 | 4.30 |
| 80 06 18 1756 | | | .3 | 1 | 0.004 | 0.011 | 0.039 | 0.616 | 0.655 | 82.00 | 10.00 | 72.000 | 110.0 | 3.90 |
| 80 06 25 1700 | | | .3 | 1 | 0.004 | 0.006 | 0.074 | 0.586 | 0.660 | 81.00 | 6.00 | 75.000 | 115.0 | 2.80 |
| 80 07 03 1115 | | | .3 | 1 | 0.005 | 0.030 | 0.053 | 0.482 | 0.535 | 99.00 | 8.00 | 91.000 | 140.0 | 3.20 |
| 80 07 09 1615 | | | .3 | 1 | 0.006 | 0.029 | 0.089 | 0.676 | 0.765 | 86.00 | 8.00 | 78.000 | 120.0 | 6.30 |
| 80 07 16 1735 | | | .3 | 1 | 0.007 | 0.008 | 0.033 | 0.662 | 0.695 | 90.00 | 5.00 | 85.000 | 145.0 | 2.30 |
| 80 07 23 1845 | | | .3 | 1 | 0.004 | 0.011 | 0.081 | 0.564 | 0.645 | 92.00 | 7.00 | 85.000 | 130.0 | 4.00 |
| 80 07 30 1915 | | | .3 | 1 | 0.006 | 0.004 | 0.018 | 0.742 | 0.760 | 97.00 | 6.00 | 91.000 | 140.0 | 3.00 |
| 80 08 07 1845 | | | .3 | 1 | 0.003 | 0.002 | 0.181 | 0.704 | 0.885 | 103.00 | 5.00 | 98.000 | 150.0 | 1.60 |
| 80 08 13 1810 | | | .3 | 1 | 0.006 | 0.004 | 0.144 | 0.636 | 0.780 | 109.00 | 8.00 | 101.000 | 155.0 | 2.60 |
| 80 08 20 1810 | | | .3 | 1 | 0.003 | 0.002 | 0.099 | 0.606 | 0.705 | 111.00 | 7.00 | 104.000 | 160.0 | 2.10 |
| 80 08 27 1710 | | | .3 | 1 | 0.002 | 0.003 | 0.171 | 0.514 | 0.685 | 109.00 | 5.00 | 104.000 | 160.0 | 1.50 |
| 80 12 19 1700 | | | .3 | 1 | 0.003 | 0.097 | 0.142 | 0.488 | 0.630 | 106.00 | 2.00 | 104.000 | 160.0 | 2.00 |
| MAXIMUM | | | | | **0.007** | **0.207** | **0.222** | **0.742** | **0.885** | **115.0** | **14.00** | **114.000** | **175.0** | **6.30** |
| ARITH MEAN | | | | | **0.004** | **0.036** | **0.110** | **0.561** | **0.671** | **96.9** | **6.5** | **90.375** | **139.7** | **2.97** |
| GEOM MEAN | | | | | **0.004** | **0.014** | **0.091** | **0.645** | **0.662** | **96.3** | **5.7** | **89.526** | **138.4** | **2.73** |
| MINIMUM | | | | | **0.002** | **0.002** | **0.018** | **0.318** | **0.460** | **81.00** | **1.0** | **72.000** | **110.0** | **1.50** |
| STD DEV | | | | | **0.001** | **0.057** | **0.059** | **0.128** | **0.112** | **10.9** | **3.0** | **12.811** | **19.7** | **1.31** |
| NO OF SAMPLES | | | | | **16** | **16** | **16** | **16** | **16** | **16** | **16** | **16** | **16** | **16** |

| TEST-NAME: | | | | | CLIDUR | SSO4UR | SIO3UR | ACDT | ALKT | PH | PHNOL | FEUT | HARDT | CAUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | SILICATE UNF.REAC MG/L AS SI | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | CALCIUM UNF.REAC MG/L AS CA |
| 80 01 04 1635 | | | .3 | 1 | 1.000 | | | | | | | | | |
| 80 03 22 1540 | | | .3 | 1 | 0.800 | | | | | | | | | |
| 80 06 04 1705 | | | .3 | 1 | 0.450 | 7.500 | | | 56.0 | 7.52 | 3.000 | 0.500 | 56.000 | 16.800 |
| 80 06 11 1600 | | | .3 | 1 | 0.550 | 8.500 | | | 53.0 | 7.44 | 3.000 | 0.600 | 54.000 | 16.400 |
| 80 06 18 1756 | | | .3 | 1 | 0.350 | 8.000 | | | 52.0 | 7.38 | 2.000 | 0.500 | 52.000 | 15.600 |
| 80 06 25 1700 | | | .3 | 1 | 0.400 | 8.000 | | | 53.0 | 7.37 | 3.000 | 0.500 | 56.000 | 17.000 |
| 80 07 03 1115 | | | .3 | 1 | 0.450 | 7.000 | | | 56.0 | 7.41 | 1.000< | 0.350 | 63.000 | 17.200 |
| 80 07 09 1615 | | | .3 | 1 | 0.500 | 8.500 | | | 57.0 | 7.46 | 1.000 | 0.660 | 61.000 | 17.600 |
| 80 07 16 1735 | | | .3 | 1 | 0.500 | 10.500 | | | 61.0 | 7.40 | 1.000< | 0.500 | 66.000 | 19.200 |
| 80 07 23 1845 | | | .3 | 1 | 0.400 | 7.000 | | | 62.0 | 7.34 | 1.000< | 0.450 | 72.000 | 19.600 |
| 80 07 30 1915 | | | .3 | 1 | 0.600 | 10.000 | | | 63.0 | 7.27 | 1.000< | 0.450 | 69.000 | 19.600 |
| 80 08 07 1845 | | | .3 | 1 | 0.550 | 7.500 | | | 71.0 | 7.15 | 1.000 | 0.300 | 72.000 | 21.000 |
| 80 08 13 1810 | | | .3 | 1 | 0.650 | 8.500 | | | 73.0 | 7.43 | 1.000< | 0.620 | 75.000 | 21.800 |
| 80 08 20 1810 | | | .3 | 1 | 0.700 | 6.500 | | | 75.0 | 7.53 | 1.000< | 0.560 | 78.000 | 22.400 |
| 80 08 27 1710 | | | .3 | 1 | 0.700 | 8.000 | | | 78.0 | 7.28 | 1.000< | 0.240 | 78.000 | 23.000 |
| 80 12 19 1700 | | | .3 | 1 | 0.900 | 8.500 | 2.550 | 3.210 | 71.0 | 7.88 | 1.000< | 0.240 | 79.000 | 22.000 |
| MAXIMUM | | | | | **1.000** | **10.500** | **2.550** | **3.210** | **78.0** | **7.88** | **3.000** | **0.660** | **79.000** | **23.000** |
| ARITH MEAN | | | | | **0.594** | **8.143** | **2.550** | **3.210** | **62.9** | **7.42** | **1.500L** | **0.462** | **66.500** | **19.229** |
| GEOM MEAN | | | | | **0.568** | **8.077** | | | **62.3** | **7.42** | **1.330L** | **0.441** | **65.846** | **19.079** |
| MINIMUM | | | | | **0.350** | **6.500** | **2.550** | **3.210** | **52.0** | **7.15** | **1.000<** | **0.240** | **52.000** | **15.600** |
| STD DEV | | | | | **0.187** | **1.099** | | | **9.0** | **0.17** | **0.855L** | **0.136** | **9.586** | **2.493** |
| NO OF SAMPLES | | | | | **16** | **14** | **1** | **1** | **14** | **14** | **14** | **14** | **14** | **14** |

| TEST-NAME: | | | | | MGUR | COLAP | KKUR | NAUR | COD | CCUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O | CARBON UNF-TOT. MG/L AS C | MANGANSE UNF.TOT. MG/L AS MN |
| 80 06 04 1705 | | | .3 | 1 | 3.450 | 70.000> | 0.95 | 1.000 | 34 | 13.7 | 0.035 |
| 80 06 11 1600 | | | .3 | 1 | 3.200 | 70.000> | 1.05 | 1.400 | 42 | 14.0 | 0.040 |
| 80 06 18 1756 | | | .3 | 1 | 3.200 | 70.000> | 0.65 | 1.000 | 24 | 16.2 | 0.035 |
| 80 06 25 1700 | | | .3 | 1 | 3.300 | 70.000> | 0.80 | 1.100 | 36 | 16.3 | 0.050 |
| 80 07 03 1115 | | | .3 | 1 | 4.850 | 70.000> | 0.90 | 1.100 | 30 | 13.3 | 0.045 |
| 80 07 09 1615 | | | .3 | 1 | 4.200 | 70.000> | 0.80 | 1.300 | 36 | 19.2 | 0.050 |
| 80 07 16 1735 | | | .3 | 1 | 4.450 | 70.000> | 0.60 | 1.400 | 46 | 19.6 | 0.045 |
| 80 07 23 1845 | | | .3 | 1 | 5.500 | 70.000> | 0.75 | 1.100 | 32 | 18.3 | 0.050 |
| 80 07 30 1915 | | | .3 | 1 | 4.800 | 48.000 | 1.00 | 1.100 | 64 | 16.9 | 0.066 |
| 80 08 07 1845 | | | .3 | 1 | 4.850 | 70.000> | 0.95 | 1.000 | 38 | 14.5 | 0.054 |
| 80 08 13 1810 | | | .3 | 1 | 5.050 | 70.000> | 1.00 | 1.400 | 46 | 14.7 | 0.104 |

(CONTD)

B.O.W./ SITE: **KAPUSKASING RIVER**
SAMPLE POINT: **UPSTREAM FROM SPRUCE FALLS PAPER COMPANY**
STATION TYPE: **RIVER FLOW GAUGE FED 04LF001**
MAJOR BASIN: **ARCTIC DRAINAGE ONTARIO**
MINOR BASIN: **JAMES BAY SHORE**
TERM STREAM: **MOOSE RIVER**
STATION ID: **19-0064-009-02**
STORET CODE: **04 001 0230**
LAT: LONG: U T M: **17 0396000.0 5473400.0 4** REGION: **05** DISTANCE: **300.939**

| TEST-NAME: | | | | | MGUR | COLAP | KKUR | NAUR | COD | CCUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O | CARBON UNF-TOT. MG/L AS C | MANGANSE UNF.TOT. MG/L AS MN |
| 80 08 20 1810 | | | .3 | 1 | 5.450 | 72.000 | 1.30 | 1.600 | 38 | 13.4 | 0.088 |
| 80 08 27 1710 | | | .3 | 1 | 5.250 | 67.000 | 1.20 | 1.400 | 32 | 12.2 | 0.044 |
| 80 12 19 1700 | | | .3 | 1 | 5.900 | 41.000 | 0.90 | 1.500 | 71 | | 0.022 |
| MAXIMUM | | | | | 5.900 | 72.000> | 1.30 | 1.600 | 71 | 19.6 | 0.104 |
| ARITH MEAN | | | | | 4.532 | 66.286G | 0.92 | 1.243 | 41 | 15.6 | 0.052 |
| GEOM MEAN | | | | | 4.439 | 65.511G | 0.90 | 1.227 | 39 | 15.4 | 0.048 |
| MINIMUM | | | | | 3.200 | 41.000 | 0.60 | 1.000 | 24 | 12.2 | 0.022 |
| STD DEV | | | | | 0.922 | 9.384G | 0.19 | 0.206 | 13 | 2.4 | 0.021 |
| NO OF SAMPLES | | | | | 14 | 14 | 14 | 14 | 14 | 13 | 14 |

B.O.W./ SITE: **MATTAGAMI RIVER**
SAMPLE POINT: **UPSTR.OF ABITIBI PAPER SMOOTH ROCK FALLS**
STATION TYPE: **RIVER**
MAJOR BASIN: **ARCTIC DRAINAGE ONTARIO**
MINOR BASIN: **JAMES BAY SHORE**
TERM STREAM: **MOOSE RIVER**
STATION ID: **19-0064-011-02**
STORET CODE: **04 001 0230**
LAT: LONG: U T M: **17 0453550.0 5458150.0 4** REGION: **05** DISTANCE: **317.837**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 01 05 0750 | | | .3 | 1 | 13707 | 4 | 0.0 | | | 0.019 | 0.008 | 0.032 | 0.320 | 0.004 |
| 80 03 23 0745 | | | .3 | 1 | 13721 | 4 | 0.0 | 9.0 | | 0.021 | 0.008 | 0.018 | 0.350 | 0.003 |
| 80 06 04 0917 | | | .3 | 1 | 13824 | | 13.0 | 10.6 | 1.4 | 0.089 | 0.012 | 0.104 | 0.560 | 0.012 |
| 80 06 11 1215 | | | .3 | 1 | 13825 | | 11.0 | 10.3 | 2.0 | 0.059 | 0.002 | 0.254 | 0.990 | 0.006 |
| 80 06 18 1310 | | | .3 | 1 | 13826 | | 13.7 | 9.3 | 1.0 | 0.035 | 0.001 | 0.060 | 0.680 | 0.005 |
| 80 06 25 1248 | | | .3 | 1 | 13827 | | 20.1 | 8.8 | 1.0 | 0.053 | 0.010 | 0.134 | 0.700 | 0.005 |
| 80 07 02 1705 | | | .3 | 1 | 13828 | | 19.0 | 7.5 | 2.6 | 0.052 | 0.011 | 0.102 | 0.580 | 0.004 |
| 80 07 09 1145 | | | .3 | 1 | 13829 | | 17.8 | 8.7 | 0.6 | 0.365 | 0.320 | 0.012 | 0.720 | 0.007 |
| 80 07 16 1250 | | | .3 | 1 | 13830 | | 21.5 | 4.5 | 1.0 | 0.050 | 0.010 | 0.102 | 0.620 | 0.007 |
| 80 07 23 1320 | | | .3 | 1 | 13831 | | 1.3 | 5.9 | 1.8 | 0.068 | 0.002 | 0.338 | 1.680 | 0.007 |
| 80 07 30 1420 | | | .3 | 1 | 13832 | | 22.7 | 6.4 | 0.6 | 0.150 | 0.081 | 0.095 | 0.750 | 0.007 |
| 80 08 07 1355 | | | .3 | 1 | 13833 | | 22.2 | 6.0 | 1.0 | 0.351 | 0.245 | 0.066 | 0.880 | 0.004 |
| 80 08 13 1315 | | | .3 | 1 | 13834 | | 20.0 | 6.2 | 3.2 | 0.038 | 0.010 | 0.187 | 0.700 | 0.014 |
| 80 08 20 1300 | | | .3 | 1 | 13835 | | 19.5 | 8.0 | 1.6 | 0.027 | 0.005 | 0.202 | 0.720 | 0.003 |
| 80 08 27 1230 | | | .3 | 1 | 13836 | | 21.0 | 7.0 | 1.0 | 0.392 | 0.350 | 0.162 | 0.820 | 0.005 |
| 80 10 14 1600 | | | .3 | 1 | 13837 | | 1.5 | 10.3 | 0.8 | 0.042 | 0.014 | 0.048 | 0.800 | 0.013 |
| 80 12 19 1000 | | | .3 | 1 | 13838 | | | | 0.9 | 0.066 | 0.045 | 0.054 | 0.420 | 0.003 |
| MAXIMUM | | | | | | | 22.7 | 10.6 | 3.2 | 0.392 | 0.350 | 0.338 | 1.680 | 0.014 |
| ARITH MEAN | | | | | | | 14.0 | 7.9 | 1.4 | 0.110 | 0.067 | 0.116 | 0.723 | 0.006 |
| GEOM MEAN | | | | | | | 9.1 | 7.7 | 1.2 | 0.068 | 0.016 | 0.084 | 0.673 | 0.006 |
| MINIMUM | | | | | | | 0.0 | 4.5 | 0.6 | 0.019 | 0.001 | 0.012 | 0.320 | 0.003 |
| STD DEV | | | | | | | 8.6 | 1.9 | 0.8 | 0.127 | 0.117 | 0.089 | 0.304 | 0.003 |
| NO OF SAMPLES | | | | | | | 16 | 15 | 15 | 17 | 17 | 17 | 17 | 17 |

| TEST-NAME: | | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 01 05 0750 | | | .3 | 1 | 0.141 | 0.177 | 0.288 | 0.465 | 77.0 | 1.0 | 76.000 | 117.0 | 2.10 | 2.150 |
| 80 03 23 0745 | | | .3 | 1 | 0.207 | 0.228 | 0.332 | 0.560 | 164.0 | 1.0 | 163.000 | 250.0 | 1.60 | 39.000 |
| 80 06 04 0917 | | | .3 | 1 | 0.103 | 0.219 | 0.456 | 0.675 | 128.00 | 13.00 | 115.000 | 95.0 | 13.00 | 1.100 |
| 80 06 11 1215 | | | .3 | 1 | 0.089 | 0.349 | 0.736 | 1.085 | 94.00 | 29.00 | 65.000 | 100.0 | 6.00 | 1.350 |
| 80 06 18 1310 | | | .3 | 1 | 0.080 | 0.145 | 0.620 | 0.765 | 79.00 | 17.00 | 62.000 | 95.0 | 4.80 | 0.950 |
| 80 06 25 1248 | | | .3 | 1 | 0.005< | 0.144 | 0.566 | 0.710 | 83.00 | 18.00 | 65.000 | 100.0 | 5.10 | 1.050 |
| 80 07 02 1705 | | | .3 | 1 | 0.025 | 0.131 | 0.478 | 0.609 | 91.00 | 19.00 | 72.000 | 110.0 | 6.10 | 1.200 |
| 80 07 09 1145 | | | .3 | 1 | 0.058 | 0.077 | 0.708 | 0.785 | 88.00 | 16.00 | 72.000 | 110.0 | 8.30 | 1.050 |
| 80 07 16 1250 | | | .3 | 1 | 0.033 | 0.142 | 0.518 | 0.660 | 95.00 | 23.00 | 72.000 | 110.0 | 4.30 | 1.150 |
| 80 07 23 1320 | | | .3 | 1 | 0.053 | 0.398 | 1.342 | 1.740 | 83.00 | 8.00 | 75.000 | 115.0 | 3.70 | 1.550 |
| 80 07 30 1420 | | | .3 | 1 | 0.003 | 0.105 | 0.655 | 0.760 | 83.00 | 8.00 | 75.000 | 115.0 | 3.40 | 1.200 |
| 80 08 07 1355 | | | .3 | 1 | 0.006 | 0.076 | 0.814 | 0.890 | 89.00 | 8.00 | 81.000 | 125.0 | 3.80 | 1.500 |
| 80 08 13 1315 | | | .3 | 1 | 0.016 | 0.217 | 0.513 | 0.730 | 91.00 | 6.00 | 85.000 | 130.0 | 2.10 | 1.400 |
| 80 08 20 1300 | | | .3 | 1 | 0.002 | 0.207 | 0.518 | 0.725 | 94.00 | 6.00 | 88.000 | 135.0 | 1.70 | 1.600 |
| 80 08 27 1230 | | | .3 | 1 | 0.050 | 0.217 | 0.658 | 0.875 | 93.00 | 8.00 | 85.000 | 130.0 | 3.70 | 1.500 |
| 80 10 14 1600 | | | .3 | 1 | 0.077 | 0.138 | 0.752 | 0.890 | 77.00 | 3.00 | 74.000 | 114.0 | 5.30 | 1.600 |
| 80 12 19 1000 | | | .3 | 1 | 0.117 | 0.174 | 0.366 | 0.540 | 88.00 | 3.00 | 85.000 | 130.0 | 2.50 | 1.050 |
| MAXIMUM | | | | | 0.207 | 0.398 | 1.342 | 1.740 | 164.0 | 29.00 | 163.000 | 250.0 | 13.00 | 39.000 |
| ARITH MEAN | | | | | 0.063L | 0.186 | 0.607 | 0.792 | 93.9 | 11.0 | 82.941 | 122.4 | 4.56 | 3.563 |
| GEOM MEAN | | | | | 0.033L | 0.168 | 0.569 | 0.756 | 92.1 | 7.6 | 80.586 | 119.1 | 3.91 | 1.596 |
| MINIMUM | | | | | 0.002< | 0.076 | 0.288 | 0.465 | 77.0 | 1.0 | 62.000 | 95.0 | 1.60 | 0.950 |
| STD DEV | | | | | 0.057L | 0.086 | 0.242 | 0.287 | 21.4 | 8.1 | 23.946 | 35.2 | 2.82 | 9.139 |
| NO OF SAMPLES | | | | | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |

| TEST-NAME: | | | | | SSO4UR | SIO3UR | ACDT | ALKT | PH | PHNOL | FEUT | HARDT | CAUR | MGUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SULPHATE UNF.REAC MG/L AS SO4 | SILICATE UNF.REAC MG/L AS SI | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG |
| 80 06 04 0917 | | | .3 | 1 | 9.000 | | | 41.0 | 7.38 | 3.000 | 1.200 | 46.000 | 14.000 | 2.750 |
| 80 06 11 1215 | | | .3 | 1 | 10.500 | | | 42.0 | 7.36 | 1.000 | 1.200 | 47.000 | 14.200 | 2.850 |
| 80 06 18 1310 | | | .3 | 1 | 9.500 | | | 39.0 | 7.38 | 4.000 | 0.900 | 51.000 | 16.000 | 2.750 |
| 80 06 25 1248 | | | .3 | 1 | 10.000 | | | 42.0 | 7.15 | 1.000< | 0.650 | 48.000 | 14.600 | 2.850 |
| 80 07 02 1705 | | | .3 | 1 | 10.000 | | | 45.0 | 7.51 | 1.000 | 0.900 | 48.000 | 14.600 | 2.850 |
| 80 07 09 1145 | | | .3 | 1 | 12.500 | | | 44.0 | 7.33 | 1.000 | 0.820 | 53.000 | 15.600 | 3.500 |
| 80 07 16 1250 | | | .3 | 1 | 14.000 | | | 47.0 | 7.45 | 1.000< | 0.950 | 53.000 | 15.200 | 3.650 |
| 80 07 23 1320 | | | .3 | 1 | 13.500 | | | 44.0 | 7.02 | 1.000 | 0.500 | 56.000 | 16.000 | 4.000 |
| 80 07 30 1420 | | | .3 | 1 | 13.000 | | | 46.0 | 7.37 | 1.000< | 0.570 | 55.000 | 16.000 | 3.650 |
| 80 08 07 1355 | | | .3 | 1 | 12.000 | | | 50.0 | 7.27 | 1.000< | 0.500 | 58.000 | 17.000 | 3.800 |
| 80 08 13 1315 | | | .3 | 1 | 10.000 | | | 56.0 | 7.20 | 1.000< | 0.340 | 61.000 | 18.200 | 3.750 |
| 80 08 20 1300 | | | .3 | 1 | 10.500 | | | 56.0 | 7.51 | 1.000< | 0.340 | 61.000 | 17.800 | 4.050 |
| 80 08 27 1230 | | | .3 | 1 | 17.000 | | | 53.0 | 7.29 | 2.000 | 0.540 | 62.000 | 18.200 | 4.000 |

(CONTD)

| TEST-NAME: | | | | SSO4UR | SIO3UR | ACDT | ALKT | PH | PHNOL | FEUT | HARDT | CAUR | MGUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 10 14 1600 | | .3 | 1 | 17.000 | 2.100 | 3.010 | 42.0 | 7.35 | 1.000< | 1.200 | 56.000 | 16.000 | 3.950 |
| 80 12 19 1000 | | .3 | 1 | 12.500 | 2.600 | 3.320 | 54.0 | 7.78 | 1.000< | 0.480 | 60.000 | 16.800 | 4.300 |
| | MAXIMUM | | | 17.000 | 2.600 | 3.320 | 56.0 | 7.78 | 4.000 | 1.200 | 62.000 | 18.200 | 4.300 |
| | ARITH MEAN | | | 12.067 | 2.350 | 3.165 | 46.7 | 7.36 | 1.400L | 0.739 | 54.333 | 16.013 | 3.513 |
| | GEOM MEAN | | | 11.837 | 2.337 | 3.161 | 46.4 | 7.35 | 1.238L | 0.679 | 54.074 | 15.959 | 3.471 |
| | MINIMUM | | | 9.000 | 2.100 | 3.010 | 39.0 | 7.02 | 1.000< | 0.340 | 46.000 | 14.000 | 2.750 |
| | STD DEV | | | 2.627 | 0.354 | 0.219 | 5.7 | 0.18 | 0.910L | 0.307 | 5.460 | 1.376 | 0.550 |
| | NO OF SAMPLES | | | 15 | 2 | 2 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |

| TEST-NAME: | | | | COLAP | KKUR | NAUR | COD | CCUT | ALUT | CUUT | PBUT | ZNUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O | CARBON UNF-TOT. MG/L AS C | ALUMINUM UNF.TOT. MG/L AS AL | COPPER UNF.TOT. MG/L AS CU | LEAD UNF.TOT. MG/L AS PB | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT MG/L AS MN |
| 80 01 05 0750 | | | .3 | 1 | | | | | | 0.050 | 0.010< | 0.030< | 0.010< | 0.065 |
| 80 03 23 0745 | | | .3 | 1 | | | | | | 0.070 | 0.010< | 0.030< | 0.010< | 0.065 |
| 80 06 04 0917 | | | .3 | 1 | 70.000> | 0.70 | 1.000 | 36 | 17.0 | | | | | 0.050 |
| 80 06 11 1215 | | | .3 | 1 | 70.000> | 0.85 | 1.400 | 38 | 13.9 | | | | | 0.050 |
| 80 06 18 1310 | | | .3 | 1 | 70.000> | 0.40 | 1.600 | 38 | 14.2 | | | | | 0.045 |
| 80 06 25 1248 | | | .3 | 1 | | 0.65 | 1.500 | 42 | 14.6 | | | | | 0.050 |
| 80 07 02 1705 | | | .3 | 1 | 76.000 | 0.65 | 1.500 | 36 | 12.5 | | | | | 0.055 |
| 80 07 09 1145 | | | .3 | 1 | 70.000> | 0.65 | 1.600 | 32 | 17.7 | | | | | 0.045 |
| 80 07 16 1250 | | | .3 | 1 | 70.000> | 0.50 | 1.600 | 28 | 15.4 | | | | | 0.054 |
| 80 07 23 1320 | | | .3 | 1 | 70.000> | 1.05 | 1.700 | 46 | 18.8 | | | | | 0.052 |
| 80 07 30 1420 | | | .3 | 1 | 70.000> | 0.70 | 1.400 | 50 | 16.9 | | | | | 0.044 |
| 80 08 07 1355 | | | .3 | 1 | 70.000> | 0.80 | 1.700 | 32 | 14.4 | | | | | 0.042 |
| 80 08 13 1315 | | | .3 | 1 | 74.000 | 0.70 | 1.800 | 38 | 11.8 | | | | | 0.052 |
| 80 08 20 1300 | | | .3 | 1 | 69.000 | 0.80 | 1.800 | 40 | 12.1 | | | | | 0.085 |
| 80 08 27 1230 | | | .3 | 1 | 64.000 | 0.80 | 1.700 | 42 | 12.8 | | | | | 0.026 |
| 80 10 14 1600 | | | .3 | 1 | 70.000> | 0.50 | 1.500 | 61 | | | | | | |
| 80 12 19 1000 | | | .3 | 1 | 31.000 | 0.35 | 2.600 | 62 | | | | | | |
| | MAXIMUM | | | | 76.000> | 1.05 | 2.600 | 62 | 18.8 | 0.070 | 0.010 | 0.030 | 0.010 | 0.085 |
| | ARITH MEAN | | | | 67.429G | 0.67 | 1.627 | 41 | 14.8 | 0.060 | 0.010L | 0.030L | 0.010L | 0.052 |
| | GEOM MEAN | | | | 66.203G | 0.65 | 1.597 | 40 | 14.6 | 0.059 | 0.010L | 0.030L | 0.010L | 0.050 |
| | MINIMUM | | | | 31.000 | 0.35 | 1.000 | 28 | 11.8 | 0.050 | 0.010< | 0.030< | 0.010< | 0.026 |
| | STD DEV | | | | 10.804G | 0.18 | 0.336 | 10 | 2.3 | 0.014 | 0.000L | 0.000L | 0.000L | 0.013 |
| | NO OF SAMPLES | | | | 14 | 15 | 15 | 15 | 13 | 2 | 2 | 2 | 2 | 15 |

| TEST-NAME: | | | | | NIUT |
|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NICKEL UNF.TOT. MG/L AS NI |
| 80 01 05 0750 | | | .3 | 1 | 0.020< |
| 80 03 23 0745 | | | .3 | 1 | 0.020< |
| | MAXIMUM | | | | 0.020 |
| | ARITH MEAN | | | | 0.020L |
| | GEOM MEAN | | | | 0.020L |
| | MINIMUM | | | | 0.020< |
| | STD DEV | | | | 0.000L |
| | NO OF SAMPLES | | | | 2 |

B.O.W / SITE: **MISSINAIBI RIVER**
SAMPLE POINT: **HIGHWAY 11 MATTICE**
STATION TYPE: **RIVER FLOW GAUGE FED 04LJ001**

MAJOR BASIN: **ARCTIC DRAINAGE ONTARIO**
MINOR BASIN: **JAMES BAY SHORE**
TERM STREAM: **MOOSE RIVER**

STATION ID: **19-0064-013-02**
STORET CODE: **04**
**001**
**0230**

LAT:
LONG:
U T M: **17 0336150.0 5498000.0 4**
REGION: **05**
DISTANCE: **324.274**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 01 04 1545 | | | .3 | 1 | 13703 | 4 | 37.000 | 0.0 | | 0.012 | 0.002 | 0.012 | 0.500 | 0.003 |
| 80 03 22 1420 | | | .3 | 1 | 13717 | 4 | 12.400 | 0.0 | 6.0 | 0.010 | 0.001< | 0.016 | 0.980 | 0.003 |
| | MAXIMUM | | | | | | 37.000 | 0 | 6.0 | 0.012 | 0.002 | 0.016 | 0.980 | 0.003 |
| | ARITH MEAN | | | | | | 24.700 | 0.0 | 6.0 | 0.011 | 0.001L | 0.014 | 0.740 | 0.003 |
| | GEOM MEAN | | | | | | 21.420 | | | 0.011 | 0.001L | 0.014 | 0.700 | 0.003 |
| | MINIMUM | | | | | | 12.400 | 0.0 | 6.0 | 0.010 | 0.001< | 0.012 | 0.500 | 0.003 |
| | STD DEV | | | | | | 17.395 | | | 0.001 | 0.001L | 0.003 | 0.339 | 0.000 |
| | NO OF SAMPLES | | | | | | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 01 04 1545 | | | .3 | 1 | 0.137 | 0.152 | 0.488 | 0.640 | 108.0 | 12.0 | 96.000 | 148.0 | 2.20 | 0.650 |
| 80 03 22 1420 | | | .3 | 1 | 0.252 | 0.271 | 0.964 | 1.235 | 122.0 | 5.0 | 117.000 | 180.0 | 1.80 | 0.550 |
| | MAXIMUM | | | | 0.252 | 0.271 | 0.964 | 1.235 | 122.0 | 12.0 | 117.000 | 180.0 | 2.20 | 0.650 |
| | ARITH MEAN | | | | 0.194 | 0.211 | 0.726 | 0.937 | 115.0 | 8.5 | 106.500 | 164.0 | 2.00 | 0.600 |
| | GEOM MEAN | | | | 0.186 | 0.203 | 0.686 | 0.889 | 114.8 | 7.7 | 105.981 | 163.2 | 1.99 | 0.598 |
| | MINIMUM | | | | 0.137 | 0.152 | 0.488 | 0.640 | 108.0 | 5.0 | 96.000 | 148.0 | 1.80 | 0.550 |
| | STD DEV | | | | 0.081 | 0.084 | 0.337 | 0.421 | 9.9 | 4.9 | 14.849 | 22.6 | 0.28 | 0.071 |
| | NO OF SAMPLES | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **GROUNDHOG RIVER**
SAMPLE POINT: **HIGHWAY 11 BRIDGE IN FAUQUIER**
STATION TYPE: **RIVER FLOW GAUGE FED 04LD001**

MAJOR BASIN: **ARCTIC DRAINAGE ONTARIO**
MINOR BASIN: **JAMES BAY SHORE**
TERM STREAM: **MOOSE RIVER**

STATION ID: **19-0064-016-02**
STORET CODE: **04**
**001**
**0230**

LAT:
LONG:
U T M: **17 0424250.0 5462600.0 4**
REGION: **05**
DISTANCE: **300.134**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWFLOW | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N |
| 80 01 05 0715 | | | .3 | 1 | 13706 | 4 | 46.000 | 0.0 | 12.0 | | 0.010 | 0.003 | 0.036 | 0.350 |
| 80 03 22 1740 | | | .3 | 1 | 13720 | 4 | 54.000 | 0.0 | 8.0 | | 0.012 | 0.001< | 0.006 | 0.370 |
| 80 06 04 1312 | | | .3 | 1 | 13791 | | 298.000 | 12.2 | 10.6 | 1.4 | 0.080 | 0.025 | 0.222 | 0.730 |
| 80 06 11 1252 | | | .3 | 1 | 13792 | | 252.000 | 10.0 | 11.2 | 1.0 | 0.029 | 0.005 | 0.116 | 0.710 |
| 80 06 18 1355 | | | .3 | 1 | 13793 | | 160.000 | 13.4 | 10.6 | 0.8 | 0.022 | 0.005 | 0.032 | 0.800 |
| 80 06 25 1326 | | | .3 | 1 | 13794 | | 106.000 | 20.9 | 9.1 | 0.6 | 0.025 | 0.001 | 0.042 | 0.680 |
| 80 07 02 1735 | | | .3 | 1 | 13795 | | 71.500 | 18.7 | 9.4 | 0.8 | 0.018 | 0.010 | 0.046 | 0.480 |
| 80 07 09 1230 | | | .3 | 1 | 13796 | | 189.000 | 17.0 | 9.6 | 1.0 | 0.035 | 0.003 | 0.082 | 0.750 |
| 80 07 16 1330 | | | .3 | 1 | 13797 | | 78.300 | 21.3 | 8.5 | 0.8 | 0.032 | 0.002 | 0.014 | 0.450 |
| 80 07 27 1410 | | | .3 | 1 | 13998 | | 37.000 | 22.1 | 8.5 | 0.2 | 0.015 | 0.003 | 0.042 | 0.500 |
| 80 07 30 1505 | | | .3 | 1 | 13799 | | 34.600 | 22.9 | 8.4 | 1.0 | 0.097 | 0.043 | 0.019 | 0.650 |
| 80 08 07 1420 | | | .3 | 1 | 13800 | | 31.900 | 22.8 | 8.2 | 0.8 | 0.028 | 0.001< | 0.098 | 0.790 |
| 80 08 13 1355 | | | .3 | 1 | 13801 | | 39.900 | 18.2 | 9.2 | 1.0 | 0.030 | 0.005 | 0.086 | 0.650 |
| 80 08 20 1350 | | | .3 | 1 | 13802 | | 44.400 | 20.0 | 8.5 | 1.2 | 0.018 | 0.001 | 0.098 | 0.770 |
| 80 08 27 1330 | | | .3 | 1 | 13803 | | 55.700 | 21.0 | 8.0 | 0.6 | 0.010 | 0.002 | 0.102 | 0.620 |
| 80 10 14 1640 | | | .3 | 1 | 13804 | | 101.000 | 0.2 | 13.2 | 0.8 | 0.025 | 0.004 | 0.040 | 0.620 |
| 80 12 19 1300 | | | .3 | 1 | 13805 | | 43.800 | | | 0.7 | 0.011 | 0.003 | 0.032 | 0.390 |
| MAXIMUM | | | | | | | **298.000** | **22.9** | **13.2** | **1.4** | **0.097** | **0.043** | **0.222** | **0.800** |
| ARITH MEAN | | | | | | | **96.653** | **15.0** | **9.6** | **0.8** | **0.029** | **0.007L** | **0.065** | **0.606** |
| GEOM MEAN | | | | | | | **73.989** | **9.5** | **9.5** | **0.8** | **0.023** | **0.003L** | **0.048** | **0.586** |
| MINIMUM | | | | | | | **31.900** | **0.0** | **8.0** | **0.2** | **0.010** | **0.001<** | **0.006** | **0.350** |
| STD DEV | | | | | | | **80.893** | **8.3** | **1.5** | **0.3** | **0.024** | **0.011L** | **0.053** | **0.153** |
| NO OF SAMPLES | | | | | | | **17** | **16** | **16** | **15** | **17** | **17** | **17** | **17** |

| TEST-NAME: | | | | | NNO2FR | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU |
| 80 01 05 0715 | | | .3 | 1 | 0.005 | 0.115 | 0.156 | 0.314 | 0.470 | 89.0 | 1.0 | 88.000 | 135.0 | 1.70 |
| 80 03 22 1740 | | | .3 | 1 | 0.002 | 0.173 | 0.181 | 0.364 | 0.545 | 270.0 | 2.0 | 268.000 | 413.0 | 1.75 |
| 80 06 04 1312 | | | .3 | 1 | 0.014 | 0.081 | 0.317 | 0.508 | 0.825 | 103.00 | 35.00 | 68.000 | 105.0 | 18.00 |
| 80 06 11 1252 | | | .3 | 1 | 0.006 | 0.029 | 0.151 | 0.594 | 0.745 | 86.00 | 21.00 | 65.000 | 100.0 | 3.20 |
| 80 06 18 1355 | | | .3 | 1 | 0.004 | 0.021 | 0.057 | 0.768 | 0.825 | 92.00 | 24.00 | 68.000 | 105.0 | 5.30 |
| 80 06 25 1326 | | | .3 | 1 | 0.004 | 0.006 | 0.052 | 0.638 | 0.690 | 87.00 | 15.00 | 72.000 | 110.0 | 5.00 |
| 80 07 02 1735 | | | .3 | 1 | 0.013 | 0.017 | 0.076 | 0.434 | 0.510 | 88.00 | 7.00 | 81.000 | 125.0 | 2.80 |
| 80 07 09 1230 | | | .3 | 1 | 0.007 | 0.028 | 0.117 | 0.668 | 0.785 | 93.00 | 21.00 | 72.000 | 110.0 | 9.30 |
| 80 07 16 1330 | | | .3 | 1 | 0.006 | 0.009 | 0.029 | 0.436 | 0.465 | 84.00 | 6.00 | 78.000 | 120.0 | 3.30 |
| 80 07 27 1410 | | | .3 | 1 | 0.003 | 0.012 | 0.057 | 0.458 | 0.515 | 92.00 | 11.00 | 81.000 | 125.0 | 4.20 |
| 80 07 30 1505 | | | .3 | 1 | 0.004 | 0.007 | 0.030 | 0.631 | 0.661 | 92.00 | 4.00 | 88.000 | 135.0 | 4.20 |
| 80 08 07 1420 | | | .3 | 1 | 0.003 | 0.007 | 0.108 | 0.692 | 0.800 | 101.00 | 7.00 | 94.000 | 145.0 | 2.30 |
| 80 08 13 1355 | | | .3 | 1 | 0.004 | 0.001 | 0.091 | 0.564 | 0.655 | 100.00 | 6.00 | 94.000 | 145.0 | 3.20 |
| 80 08 20 1350 | | | .3 | 1 | 0.004 | 0.001 | 0.103 | 0.672 | 0.775 | 96.00 | 5.00 | 91.000 | 140.0 | 3.00 |
| 80 08 27 1330 | | | .3 | 1 | 0.003 | 0.017 | 0.122 | 0.518 | 0.640 | 94.00 | 6.00 | 88.000 | 135.0 | 2.80 |
| 80 10 14 1640 | | | .3 | 1 | 0.002 | 0.010 | 0.052 | 0.580 | 0.632 | 87.00 | 6.00 | 81.000 | 124.0 | 1.90 |
| 80 12 19 1300 | | | .3 | 1 | 0.002 | 0.083 | 0.117 | 0.358 | 0.475 | 98.00 | 3.00 | 95.000 | 146.0 | 1.40 |
| MAXIMUM | | | | | **0.014** | **0.173** | **0.317** | **0.768** | **0.825** | **270.0** | **35.00** | **268.000** | **413.0** | **18.00** |
| ARITH MEAN | | | | | **0.005** | **0.036** | **0.107** | **0.541** | **0.648** | **103.0** | **10.5** | **92.471** | **142.2** | **4.31** |
| GEOM MEAN | | | | | **0.004** | **0.016** | **0.089** | **0.525** | **0.635** | **98.4** | **7.2** | **86.799** | **133.5** | **3.41** |
| MINIMUM | | | | | **0.002** | **0.001** | **0.029** | **0.314** | **0.465** | **84.00** | **1.0** | **65.000** | **100.0** | **1.40** |
| STD DEV | | | | | **0.003** | **0.048** | **0.070** | **0.132** | **0.131** | **43.3** | **9.4** | **46.288** | **71.4** | **3.99** |
| NO OF SAMPLES | | | | | **17** | **17** | **17** | **17** | **17** | **17** | **17** | **17** | **17** | **17** |

| TEST-NAME: | | | | | CLIDUR | SSO4UR | SIO3UR | ACDT | ALKT | PH | PHNOL | FEUT | HARDT | CAUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 | SILICATE UNF.REAC MG/L AS SI | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | CALCIUM UNF.REAC MG/L AS CA |
| 80 01 05 0715 | | | .3 | 1 | 0.800 | | | | | | | | | |
| 80 03 22 1740 | | | .3 | 1 | 0.450 | | | | | | | | | |
| 80 06 04 1312 | | | .3 | 1 | 0.800 | 8.500 | | | 47.0 | 7.48 | 2.500 | 1.500 | 54.000 | 16.400 |
| 80 06 11 1252 | | | .3 | 1 | 0.550 | 8.500 | | | 46.0 | 7.49 | 2.000 | 0.940 | 49.000 | 15.000 |
| 80 06 18 1355 | | | .3 | 1 | 0.500 | 8.000 | | | 48.0 | 7.73 | 1.000 | 0.840 | 51.000 | 15.200 |
| 80 06 25 1326 | | | .3 | 1 | 0.400 | 8.000 | | 2.180 | 50.0 | 7.71 | 1.000< | 0.600 | 53.000 | 16.200 |
| 80 07 02 1735 | | | .3 | 1 | 0.600 | 8.000 | | 1.450 | 52.0 | 7.54 | 1.000 | 0.300 | 58.000 | 17.400 |
| 80 07 09 1230 | | | .3 | 1 | 0.450 | 9.500 | | 3.270 | 51.0 | 7.66 | 1.000< | 1.040 | 58.000 | 17.200 |
| 80 07 16 1330 | | | .3 | 1 | 0.500 | 10.000 | | | 54.0 | 7.75 | 1.000< | 0.080 | 62.000 | 18.200 |
| 80 07 27 1410 | | | .3 | 1 | 0.550 | 7.500 | | | 57.0 | 7.78 | 2.000 | 0.450 | 63.000 | 18.200 |
| 80 07 30 1505 | | | .3 | 1 | 0.550 | 9.000 | | | 61.0 | 7.69 | 1.000< | 0.360 | 66.000 | 19.000 |
| 80 08 07 1420 | | | .3 | 1 | 0.650 | 7.500 | | | 64.0 | 7.62 | 2.000 | 0.400 | 66.000 | 20.000 |
| 80 08 13 1355 | | | .3 | 1 | 0.550 | 8.000 | | 0.920 | 66.0 | 7.76 | 1.000< | 0.320 | 70.000 | 20.400 |
| 80 08 20 1350 | | | .3 | 1 | 0.650 | 7.500 | | | 66.0 | 7.90 | 1.000< | 0.380 | 71.000 | 20.400 |
| 80 08 27 1330 | | | .3 | 1 | 0.550 | 8.500 | | | 63.0 | 7.68 | 1.000 | 0.410 | 68.000 | 19.800 |
| 80 10 14 1640 | | | .3 | 1 | 0.900 | 8.500 | 2.250 | 2.110 | 56.0 | 7.66 | 1.000< | 0.400 | 61.000 | 17.600 |
| 80 12 19 1300 | | | .3 | 1 | 0.600 | 8.000 | 2.550 | 2.700 | 68.0 | 8.03 | 1.000< | 0.180 | 70.000 | 19.800 |
| MAXIMUM | | | | | **0.900** | **10.000** | **2.550** | **3.270** | **68.0** | **8.03** | **2.500** | **1.500** | **71.000** | **20.400** |
| ARITH MEAN | | | | | **0.591** | **8.333** | **2.400** | **2.105** | **56.6** | **7.70** | **1.300L** | **0.547** | **61.333** | **18.053** |
| GEOM MEAN | | | | | **0.578** | **8.306** | **2.395** | **1.945** | **56.1** | **7.70** | **1.221L** | **0.438** | **60.920** | **17.965** |
| MINIMUM | | | | | **0.400** | **7.500** | **2.250** | **0.920** | **46.0** | **7.48** | **1.000<** | **0.080** | **49.000** | **15.000** |
| STD DEV | | | | | **0.136** | **0.724** | **0.212** | **0.843** | **7.6** | **0.14** | **0.628L** | **0.377** | **7.287** | **1.829** |
| NO OF SAMPLES | | | | | **17** | **16** | **2** | **6** | **15** | **15** | **15** | **15** | **15** | **15** |

(CONTD)

| TEST-NAME: | | | | | MGUR | COLAP | KKUR | NAUR | COD | CCUT | ASUT | ALUT | CRUT | CUUT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O | CARBON UNF-TOT. MG/L AS C | ARSENIC UNF.TOT. MG/L AS AS | ALUMINUM UNF.TOT. MG/L AS AL | CHROMIUM UNF.TOT. MG/L AS CR | COPPER UNF.TOT. MG/L AS CU |
| 80 01 05 0715 | | | .3 | 1 | | | | | | | | 0.020< | | 0.010 < |
| 80 03 22 1740 | | | .3 | 1 | | | | | | | | 0.060 | | 0.010 < |
| 80 06 04 1312 | | | .3 | 1 | 3.050 | 70.000> | 0.80 | 1.000 | 38 | 19.0 | 0.001< | 1.600 | 0.020< | 0.010 < |
| 80 06 11 1252 | | | .3 | 1 | 2.900 | 70.000> | 0.75 | 0.800 | 38 | 15.7 | 0.001< | 0.700 | 0.020< | 0.010 < |
| 80 06 18 1355 | | | .3 | 1 | 3.050 | 70.000> | 0.45 | 1.200 | 38 | 14.4 | 0.001< | 0.840 | 0.020 | 0.050 |
| 80 06 25 1326 | | | .3 | 1 | 3.000 | 76.000 | 0.60 | 1.300 | 28 | 13.2 | 0.001< | 0.410 | 0.020< | 0.010 < |
| 80 07 02 1735 | | | .3 | 1 | 3.550 | 71.000 | 0.55 | 1.000 | 48 | 11.0 | 0.001< | 0.320 | 0.020< | 0.010 < |
| 80 07 09 1230 | | | .3 | 1 | 3.750 | 70.000> | 0.60 | 1.200 | 42 | 24.8 | 0.001< | 1.200 | 0.020< | 0.010 < |
| 80 07 16 1330 | | | .3 | 1 | 4.050 | 70.000> | 0.40 | 1.200 | 44 | 16.8 | 0.001< | 0.240 | 0.020< | 0.010 < |
| 80 07 27 1410 | | | .3 | 1 | 4.250 | 70.000> | 0.60 | 1.000 | 30 | 14.6 | 0.001< | 0.270 | 0.040 | 0.010 < |
| 80 07 30 1505 | | | .3 | 1 | 4.450 | 76.000 | 0.65 | 1.000 | 50 | 12.6 | 0.001< | 0.320 | 0.020< | 0.010 < |
| 80 08 07 1420 | | | .3 | 1 | 4.000 | 70.000> | 1.00 | 1.500 | 36 | 15.3 | 0.001< | 0.130 | 0.006 | 0.010 |
| 80 08 13 1355 | | | .3 | 1 | 4.600 | 84.000 | 0.70 | 1.600 | 38 | 13.0 | 0.001 | 0.220 | 0.003 | 0.006 |
| 80 08 20 1350 | | | .3 | 1 | 4.950 | 70.000> | 0.80 | 1.300 | 48 | 16.1 | | | | |
| 80 08 27 1330 | | | .3 | 1 | 4.500 | 82.000 | 0.75 | 1.100 | 30 | 13.5 | 0.001 | 0.230 | 0.002< | 0.003 |
| 80 10 14 1640 | | | .3 | 1 | 4.200 | 70.000> | 0.45 | 1.400 | 42 | | 0.001< | 0.210 | | 0.001 < |
| 80 12 19 1300 | | | .3 | 1 | 4.950 | 30.000 | 0.55 | 1.400 | 56 | | 0.001< | 0.096 | | 0.0005< |
| MAXIMUM | | | | | 4.950 | 84.000> | 1.00 | 1.600 | 56 | 24.8 | 0.001 | 1.600 | 0.040 | 0.050 |
| ARITH MEAN | | | | | 3.950 | 69.933G | 0.64 | 1.200 | 40 | 15.4 | 0.001L | 0.429L | 0.018L | 0.010 L |
| GEOM MEAN | | | | | 3.889 | 68.486G | 0.62 | 1.181 | 40 | 15.1 | 0.001L | 0.262L | 0.014L | 0.007 L |
| MINIMUM | | | | | 2.900 | 30.000 | 0.40 | 0.800 | 28 | 11.0 | 0.001< | 0.020< | 0.002< | 0.0005< |
| STD DEV | | | | | 0.706 | 11.991G | 0.16 | 0.220 | 8 | 3.5 | 0.000L | 0.442L | 0.010L | 0.011 L |
| NO OF SAMPLES | | | | | 15 | 15 | 15 | 15 | 15 | 13 | 14 | 16 | 12 | 16 |

| TEST-NAME: | | | | | PBUT | CDUT | ZNUT | MNUT | NIUT | COUT |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | LEAD UNF.TOT. MG/L AS PB | CADMIUM UNF.TOT. MG/L AS CD | ZINC UNF.TOT. MG/L AS ZN | MANGANSE UNF.TOT. MG/L AS MN | NICKEL UNF.TOT. MG/L AS NI | COBALT UNF.TOT. MG/L AS CO |
| 80 01 05 0715 | | | .3 | 1 | 0.030< | | 0.010< | | 0.020< | |
| 80 03 22 1740 | | | .3 | 1 | 0.030< | | 0.010< | | 0.020< | |
| 80 06 04 1312 | | | .3 | 1 | 0.030< | 0.005 < | 0.010< | 0.060 | 0.020< | 0.020< |
| 80 06 11 1252 | | | .3 | 1 | 0.030< | 0.005 < | 0.010< | 0.040 | 0.020< | 0.020< |
| 80 06 18 1355 | | | .3 | 1 | 0.030< | 0.005 < | 0.030 | 0.035 | 0.020< | 0.020< |
| 80 06 25 1326 | | | .3 | 1 | 0.030< | 0.005 < | 0.020 | 0.040 | 0.020< | 0.020< |
| 80 07 02 1735 | | | .3 | 1 | 0.030< | 0.005 < | 0.010< | 0.036 | 0.020< | 0.020< |
| 80 07 09 1230 | | | .3 | 1 | 0.030< | 0.005 < | 0.010< | 0.052 | 0.020< | 0.020< |
| 80 07 16 1330 | | | .3 | 1 | 0.030< | 0.005 < | 0.010< | 0.009 | 0.020< | 0.020< |
| 80 07 27 1410 | | | .3 | 1 | 0.030< | 0.005 < | 0.010< | 0.040 | 0.020< | 0.020< |
| 80 07 30 1505 | | | .3 | 1 | 0.030< | 0.005 < | 0.010< | 0.036 | 0.020< | 0.020< |
| 80 08 07 1420 | | | .3 | 1 | 0.001< | 0.0002 | 0.019 | 0.046 | 0.002< | 0.002< |
| 80 08 13 1355 | | | .3 | 1 | 0.003< | 0.0006 | 0.012 | 0.034 | 0.002< | 0.002< |
| 80 08 20 1350 | | | .3 | 1 | | | | 0.032 | | |
| 80 08 27 1330 | | | .3 | 1 | 0.003< | 0.0002< | 0.014 | 0.054 | 0.002< | 0.003 |
| 80 10 14 1640 | | | .3 | 1 | 0.004 | | 0.003 | 0.035 | 0.002< | |
| 80 12 19 1300 | | | .3 | 1 | 0.003< | | 0.003 | 0.016 | 0.003< | |
| MAXIMUM | | | | | 0.030 | 0.005 | 0.030 | 0.060 | 0.020 | 0.020 |
| ARITH MEAN | | | | | 0.021L | 0.003 L | 0.012L | 0.038 | 0.014L | 0.016L |
| GEOM MEAN | | | | | 0.014L | 0.002 L | 0.010L | 0.035 | 0.010L | 0.012L |
| MINIMUM | | | | | 0.001< | 0.0002< | 0.003< | 0.009 | 0.002< | 0.002< |
| STD DEV | | | | | 0.013L | 0.002 L | 0.007L | 0.013 | 0.009L | 0.008L |
| NO OF SAMPLES | | | | | 16 | 12 | 16 | 15 | 16 | 12 |

B.O.W./ SITE: **ABITIBI RIVER**
SAMPLE POINT: **AT HIGHWAY NO 574**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE ONTARIO**
MINOR BASIN: **JAMES BAY SHORE**
TERM STREAM: **MOOSE RIVER**

STATION ID: **19-0064-023-02**
STORET CODE: **04**
**001**
**0230**

LAT: LONG: U T M: **17 0510000.0 5433800.0 4** REGION: **05** DISTANCE: **283.720**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 01 05 0855 | | | .3 | 1 | 13708 | 4 | 0.0 | | 2.4 | 0.085 | 0.038 | 0.018 | 0.450 | 0.027 |
| 80 03 23 0850 | | | .3 | 1 | 13722 | 4 | 0.0 | 8.0 | 2.2 | 0.070 | 0.030 | 0.012 | 0.580 | 0.023 |
| 80 06 03 1315 | | | .3 | 1 | 13914 | | 12.0 | 9.4 | 2.2 | 0.067 | 0.011 | 0.022 | 0.870 | 0.016 |
| 80 06 10 1255 | | | .3 | 1 | 13915 | | 9.5 | 9.0 | 2.6 | 0.065 | 0.018 | 0.010 | 0.700 | 0.019 |
| 80 06 17 1149 | | | .3 | 1 | 13916 | | 12.0 | 8.6 | 2.2 | 0.226 | 0.145 | 0.030 | 0.850 | 0.015 |
| 80 06 24 1240 | | | .3 | 1 | 13917 | | 16.0 | 7.4 | 1.6 | 0.101 | 0.032 | 0.152 | 0.900 | 0.014 |
| 80 07 02 1025 | | | .3 | 1 | 13918 | | 14.9 | 6.7 | 2.8 | 0.060 | 0.013 | 0.096 | 0.650 | 0.013 |
| 80 07 08 1205 | | | .3 | 1 | 13919 | | 16.0 | 7.8 | 1.2 | 0.065 | 0.027 | 0.066 | 1.850 | 0.023 |
| 80 07 15 1115 | | | .3 | 1 | 13920 | | 18.2 | 7.2 | 1.4 | 0.065 | 0.018 | 0.026 | 0.750 | 0.022 |
| 80 07 22 1120 | | | .3 | 1 | 13921 | | 19.0 | 7.2 | 0.8 | 0.063 | 0.029 | 0.136 | 0.830 | 0.014 |
| 80 07 29 1130 | | | .3 | 1 | 13922 | | 19.3 | 6.9 | 1.0 | 0.123 | 0.086 | 0.118 | 0.600 | 0.018 |
| 80 08 06 1045 | | | .3 | 1 | 13923 | | 19.1 | 5.3 | 2.0 | 0.380 | 0.290 | 0.156 | 1.220 | 0.014 |
| 80 08 12 1745 | | | .3 | 1 | 13924 | | 19.5 | 5.3 | 1.8 | 0.055 | 0.019 | 0.034 | 0.550 | 0.016 |
| 80 08 19 1245 | | | .3 | 1 | 13925 | | 18.2 | 5.6 | 2.6 | 0.095 | 0.054 | 0.170 | 0.730 | 0.018 |
| 80 08 26 1230 | | | .3 | 1 | 13926 | | 20.0 | 5.2 | 1.6 | 0.085 | 0.028 | 0.094 | 0.830 | 0.016 |
| 80 10 14 1450 | | | .3 | 1 | 13927 | | 3.1 | 11.8 | 0.8 | 0.085 | 0.037 | 0.050 | 0.600 | 0.021 |
| 80 12 19 1500 | | | .3 | 1 | 13928 | | | | 2.0 | 0.193 | 0.033 | 0.049 | 0.600 | 0.026 |
| MAXIMUM | | | | | | | 20.0 | 11.8 | 2.8 | 0.380 | 0.290 | 0.170 | 1.850 | 0.027 |
| ARITH MEAN | | | | | | | 13.5 | 7.4 | 1.8 | 0.111 | 0.053 | 0.073 | 0.798 | 0.019 |
| GEOM MEAN | | | | | | | 10.2 | 7.2 | 1.7 | 0.094 | 0.035 | 0.061 | 0.753 | 0.018 |
| MINIMUM | | | | | | | 0.0 | 5.2 | 0.8 | 0.055 | 0.011 | 0.010 | 0.450 | 0.013 |
| STD DEV | | | | | | | 7.0 | 1.8 | 0.6 | 0.084 | 0.069 | 0.056 | 0.325 | 0.004 |
| NO OF SAMPLES | | | | | | | 16 | 15 | 17 | 17 | 17 | 17 | 17 | 17 |

(CONTD)

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **ABITIBI RIVER**
SAMPLE POINT: **AT HIGHWAY NO 574**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE ONTARIO**
MINOR BASIN: **JAMES BAY SHORE**
TERM STREAM: **MOOSE RIVER**

STATION ID: **19-0064-023-02**

STORET CODE: **04**
**001**
**0230**

LAT:

LONG:

U.T.M: **17 0510000.0 5433800.0 4**

REGION: **05**

DISTANCE: **283.720**

| | | | TEST-NAME: | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 01 05 0855 | | | .3 | 1 | 0.163 | 0.208 | 0.432 | 0.640 | 91.0 | 9.0 | 82.000 | 126.0 | 55.00 | 1.850 |
| 80 03 23 0850 | | | .3 | 1 | 0.147 | 0.182 | 0.568 | 0.750 | 95 | 7 | 88 | 135 | 40 | 1.20 |
| 80 06 03 1315 | | | .3 | 1 | 0.070 | 0.108 | 0.848 | 0.956 | 97.00 | 25.00 | 72.000 | 110.0 | 23.00 | 1.000 |
| 80 06 10 1255 | | | .3 | 1 | 0.156 | 0.185 | 0.690 | 0.875 | 82.00 | 14.00 | 68.000 | 105.0 | 30.00 | 0.900 |
| 80 06 17 1149 | | | .3 | 1 | 0.075 | 0.120 | 0.820 | 0.940 | 93.00 | 21.00 | 72.000 | 110.0 | 31.00 | 1.000 |
| 80 06 24 1240 | | | .3 | 1 | 0.096 | 0.262 | 0.748 | 1.010 | 105.00 | 33.00 | 72.000 | 110.0 | 26.00 | 1.100 |
| 80 07 02 1025 | | | .3 | 1 | 0.098 | 0.207 | 0.554 | 0.761 | 91.00 | 19.00 | 72.000 | 110.0 | 28.00 | 0.850 |
| 80 07 08 1205 | | | .3 | 1 | 0.125 | 0.214 | 1.784 | 1.998 | 134.00 | 46.00 | 88.000 | 135.0 | 44.00 | 1.800 |
| 80 07 15 1115 | | | .3 | 1 | 0.158 | 0.206 | 0.724 | 0.930 | 107.00 | 29.00 | 78.000 | 120.0 | 34.00 | 1.100 |
| 80 07 22 1120 | | | .3 | 1 | 0.176 | 0.326 | 0.694 | 1.020 | 95.00 | 23.00 | 72.000 | 110.0 | 37.00 | 1.200 |
| 80 07 29 1130 | | | .3 | 1 | 0.167 | 0.303 | 0.482 | 0.785 | 93.00 | 18.00 | 75.000 | 115.0 | 33.00 | 0.950 |
| 80 08 06 1045 | | | .3 | 1 | 0.111 | 0.281 | 1.064 | 1.345 | 97.00 | 22.00 | 75.000 | 115.0 | 34.00 | 1.450 |
| 80 08 12 1745 | | | .3 | 1 | 0.084 | 0.134 | 0.516 | 0.650 | 98.00 | 26.00 | 72.000 | 110.0 | 41.00 | 0.950 |
| 80 08 19 1245 | | | .3 | 1 | 0.070 | 0.258 | 0.560 | 0.818 | 100.00 | 19.00 | 81.000 | 125.0 | 33.00 | 1.250 |
| 80 08 26 1230 | | | .3 | 1 | 0.074 | 0.184 | 0.736 | 0.920 | 106.00 | 25.00 | 81.000 | 125.0 | 44.00 | 1.300 |
| 80 10 14 1450 | | | .3 | 1 | 0.079 | 0.150 | 0.550 | 0.700 | 106.00 | 25.00 | 81.000 | 124.0 | 47.00 | 1.350 |
| 80 12 19 1500 | | | .3 | 1 | 0.154 | 0.229 | 0.551 | 0.780 | 95.00 | 20.00 | 75.000 | 116.0 | 60.00 | 1.450 |
| MAXIMUM | | | | | 0.176 | 0.326 | 1.784 | 1.998 | 134.00 | 46.00 | 88 | 135 | 60.00 | 1.850 |
| ARITH MEAN | | | | | 0.118 | 0.208 | 0.725 | 0.934 | 99 | 22 | 76 | 117 | 37 | 1.21 |
| GEOM MEAN | | | | | 0.111 | 0.200 | 0.681 | 0.896 | 98 | 20 | 76 | 117 | 36 | 1.18 |
| MINIMUM | | | | | 0.070 | 0.108 | 0.432 | 0.640 | 82.00 | 7 | 68.000 | 105.0 | 23.00 | 0.850 |
| STD DEV | | | | | 0.040 | 0.063 | 0.316 | 0.322 | 11 | 8 | 5 | 9 | 10 | 0.29 |
| NO OF SAMPLES | | | | | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |

| | | | TEST-NAME: | | SSO4UR | SIO3UR | ACDT | ALKT | PH | PHNOL | FEUT | HARDT | CAUR | MGUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SULPHATE UNF.REAC MG/L AS SO4 | SILICATE UNF.REAC MG/L AS SI | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG |
| 80 06 03 1315 | | | .3 | 1 | 11.500 | | | 43.0 | 7.31 | 1.000 | 2.100 | 49.000 | 14.800 | 2.850 |
| 80 06 10 1255 | | | .3 | 1 | 11.000 | | | 43.0 | 7.49 | 1.000 | 2.900 | 48.000 | 14.800 | 2.750 |
| 80 06 17 1149 | | | .3 | 1 | 12.500 | | | 46.0 | 7.28 | 2.000 | 2.300 | 52.000 | 15.800 | 3.100 |
| 80 06 24 1240 | | | .3 | 1 | 12.000 | | | 45.0 | 7.08 | 1.000 | 2.600 | 44.000 | 13.000 | 2.900 |
| 80 07 02 1025 | | | .3 | 1 | 12.000 | | | 43.0 | 7.72 | 1.000 | 2.300 | 48.000 | 14.200 | 2.950 |
| 80 07 08 1205 | | | .3 | 1 | 9.500 | | | 60.0 | 7.55 | 1.000< | 4.000 | 69.000 | 21.000 | 4.000 |
| 80 07 15 1115 | | | .3 | 1 | 12.000 | | | 53.0 | 7.55 | 2.000 | 2.200 | 60.000 | 17.600 | 3.900 |
| 80 07 22 1120 | | | .3 | 1 | 9.000 | | | 47.0 | 7.53 | 1.000 | 2.300 | 54.000 | 15.400 | 3.750 |
| 80 07 29 1130 | | | .3 | 1 | 9.500 | | | 50.0 | 7.16 | 1.000 | 3.700 | 53.000 | 16.600 | 2.900 |
| 80 08 06 1045 | | | .3 | 1 | 15.500 | | | 48.0 | 6.90 | 1.000< | 2.850 | 47.000 | 13.000 | 3.600 |
| 80 08 12 1745 | | | .3 | 1 | 11.500 | | | 46.0 | 7.24 | 1.000< | 3.150 | 53.000 | 15.200 | 3.650 |
| 80 08 19 1245 | | | .3 | 1 | 11.500 | | | 50.0 | 7.23 | 2.000 | 3.300 | 58.000 | 16.400 | 4.150 |
| 80 08 26 1230 | | | .3 | 1 | 11.000 | | | 52.0 | 7.13 | 1.000< | 2.900 | 59.000 | 17.000 | 4.000 |
| 80 10 14 1450 | | | .3 | 1 | 13.500 | 2.550 | 3.970 | 51.0 | 7.26 | 2.000 | 4.200 | 61.000 | 17.200 | 4.450 |
| 80 12 19 1500 | | | .3 | 1 | 13.000 | 2.600 | 4.740 | 48.0 | 7.33 | 1.000< | 4.200 | 51.000 | 14.400 | 3.750 |
| MAXIMUM | | | | | 15.500 | 2.600 | 4.740 | 60.0 | 7.72 | 2.000 | 4.200 | 69.000 | 21.000 | 4.450 |
| ARITH MEAN | | | | | 11.667 | 2.575 | 4.355 | 48.3 | 7.32 | 1.267L | 3.000 | 53.733 | 15.760 | 3.513 |
| GEOM MEAN | | | | | 11.559 | 2.575 | 4.338 | 48.1 | 7.31 | 1.203L | 2.919 | 53.389 | 15.645 | 3.472 |
| MINIMUM | | | | | 9.000 | 2.550 | 3.970 | 43.0 | 6.90 | 1.000< | 2.100 | 44.000 | 13.000 | 2.750 |
| STD DEV | | | | | 1.655 | 0.035 | 0.544 | 4.6 | 0.22 | 0.458L | 0.737 | 6.606 | 2.024 | 0.555 |
| NO OF SAMPLES | | | | | 15 | 2 | 2 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |

| | | | TEST-NAME: | | COLAP | KKUR | NAUR | COD | CCUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O | CARBON UNF-TOT. MG/L AS C | MANGANSE UNF.TOT. MG/L AS MN |
| 80 06 03 1315 | | | .3 | 1 | 70.000> | 1.60 | 2.700 | 48 | 15.6 | 0.065 |
| 80 06 10 1255 | | | .3 | 1 | 70.000> | 1.55 | 2.600 | 44 | 16.0 | 0.075 |
| 80 06 17 1149 | | | .3 | 1 | 70.000> | 1.45 | 2.500 | 34 | 14.2 | 0.065 |
| 80 06 24 1240 | | | .3 | 1 | 70.000> | 1.35 | 2.700 | 40 | 14.9 | 0.064 |
| 80 07 02 1025 | | | .3 | 1 | 70.000> | 1.45 | 3.100 | 50 | 14.4 | 0.078 |
| 80 07 08 1205 | | | .3 | 1 | 70.000> | 2.30 | 2.400 | 34 | 15.0 | 0.095 |
| 80 07 15 1115 | | | .3 | 1 | 70.000> | 1.65 | 3.000 | 42 | 13.0 | 0.060 |
| 80 07 22 1120 | | | .3 | 1 | 70.000> | 1.95 | 2.000 | 18 | 12.3 | 0.060 |
| 80 07 29 1130 | | | .3 | 1 | 70.000> | 1.90 | 2.000 | 38 | 12.8 | 0.090 |
| 80 08 06 1045 | | | .3 | 1 | 70.000> | 2.20 | 2.500 | 54 | 14.5 | 0.085 |
| 80 08 12 1745 | | | .3 | 1 | 70.000> | 1.50 | 3.500 | 38 | 14.4 | 0.095 |
| 80 08 19 1245 | | | .3 | 1 | 70.000> | 1.80 | 3.200 | 44 | 13.0 | 0.080 |
| 80 08 26 1230 | | | .3 | 1 | 70.000> | 2.30 | 2.900 | 36 | 13.4 | 0.090 |
| 80 10 14 1450 | | | .3 | 1 | 70.000> | 1.95 | 3.100 | 47 | | 0.100 |
| 80 12 19 1500 | | | .3 | 1 | 70.000> | 1.95 | 3.000 | 66 | | 0.110 |
| MAXIMUM | | | | | 70.000> | 2.30 | 3.500 | 66 | 16.0 | 0.110 |
| ARITH MEAN | | | | | 70.000G | 1.79 | 2.747 | 42 | 14.1 | 0.081 |
| GEOM MEAN | | | | | 70.000G | 1.77 | 2.714 | 41 | 14.1 | 0.079 |
| MINIMUM | | | | | 70.000 | 1.35 | 2.000 | 18 | 12.3 | 0.060 |
| STD DEV | | | | | 0.000G | 0.32 | 0.427 | 11 | 1.1 | 0.016 |
| NO OF SAMPLES | | | | | 15 | 15 | 15 | 15 | 13 | 15 |

SAMPLE INFORMATION SYSTEM 1980 WATER QUALITY DATA DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **KAPUSKASING RIVER**
SAMPLE POINT: **AT FRED FLATT RD.DNSTR.FROM KAPUSKASING**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE ONTARIO**
MINOR BASIN: **JAMES BAY SHORE**
TERM STREAM: **MOOSE RIVER**

STATION ID **19-0064-024-02**
STORET CODE: **04**
**001**
**0230**

LAT: LONG: U T M: **17 0404200.0 5491600.0 4** REGION: **05** DISTANCE: **278.087**

| TEST-NAME: | | | | | SAMPLE | FWSTRC | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 01 04 1730 | | | .3 | 1 | 13705 | 4 0 | 0.0 | 9.0 | 12.0 | 0.105 | 0.009 | 0.002 | 0.850 | 0.008 |
| 80 03 22 1630 | | | .3 | 1 | 13719 | 0 4 | 0.0 | 3.0 | 28.0 | 0.053 | 0.001< | 0.010 | 0.780 | 0.007 |
| 80 06 04 1500 | | | .3 | 1 | 13880 | | 15.0 | 9.4 | 1.4 | 0.018 | 0.002 | 0.008 | 0.420 | 0.004 |
| 80 06 11 1440 | | | .3 | 1 | 13881 | | 12.2 | 10.3 | 1.6 | 0.017 | 0.005 | 0.002 | 0.490 | 0.003 |
| 80 06 18 1555 | | | .3 | 1 | 13882 | | 14.0 | 9.6 | 1.2 | 0.018 | 0.003 | 0.008 | 0.540 | 0.004 |
| 80 06 25 1526 | | | .3 | 1 | 13883 | | 20.1 | 6.2 | 1.8 | 0.030 | 0.001 | 0.002< | 0.550 | 0.004 |
| 80 07 03 1248 | | | .3 | 1 | 13884 | | 18.0 | 7.1 | 1.2 | 0.023 | 0.003 | 0.032 | 0.530 | 0.004 |
| 80 07 09 1440 | | | .3 | 1 | 13885 | | 19.0 | 7.8 | 3.0 | 0.040 | 0.008 | 0.010 | 0.550 | 0.005 |
| 80 07 16 1550 | | | .3 | 1 | 13886 | | 20.5 | 3.6 | 4.8 | 0.038 | 0.001 | 0.002< | 0.680 | 0.006 |
| 80 07 23 1625 | | | .3 | 1 | 13887 | | 21.5 | 0.4 | 20.0 | 0.033 | 0.003 | 0.014 | 0.750 | 0.006 |
| 80 07 30 1700 | | | .3 | 1 | 13888 | | 22.9 | 0.2 | 34.0 | 0.070 | 0.005 | 0.054 | 1.000 | 0.010 |
| 80 08 07 1620 | | | .3 | 1 | 13889 | | 22.8 | 0.2 | 24.0 | 0.058 | 0.013 | 0.006 | 1.200 | 0.010 |
| 80 08 13 1550 | | | .3 | 1 | 13890 | | 19.2 | 0.2 | 15.0 | 0.050 | 0.009 | 0.002 | 1.150 | 0.014 |
| 80 08 20 1540 | | | .3 | 1 | 13891 | | 21.0 | 0.1 | 0.8 | 0.025 | 0.011 | 0.170 | 0.72 | 0.005 |
| 80 08 27 1545 | | | .3 | 1 | 13892 | | 21.0 | 0.2 | 9.4 | 0.045 | 0.002 | 0.054 | 0.800 | 0.003 |
| 80 10 15 0910 | | | .3 | 1 | 13893 | | 1.2 | 13.2 | 7.5 | 0.030 | 0.002 | 0.020 | 0.800 | 0.005 |
| 80 12 19 1400 | | | .3 | 1 | 13894 | | | | 14.0 | 0.030 | 0.002 | 0.001< | 0.700 | 0.002 |
| MAXIMUM | | | | | | | 22.9 | 13.2 | 34.0 | 0.105 | 0.013 | 0.170 | 1.200 | 0.014 |
| ARITH MEAN | | | | | | | 15.5 | 5.0 | 10.6 | 0.040 | 0.005L | 0.023L | 0.73 | 0.006 |
| GEOM MEAN | | | | | | | 10.9 | 1.9 | 5.6 | 0.036 | 0.003L | 0.008L | 0.70 | 0.005 |
| MINIMUM | | | | | | | 0.0 | 0.1 | 0.8 | 0.017 | 0.001< | 0.001< | 0.420 | 0.002 |
| STD DEV | | | | | | | 8.1 | 4.5 | 10.5 | 0.023 | 0.004L | 0.041L | 0.22 | 0.003 |
| NO OF SAMPLES | | | | | | | 16 | 16 | 17 | 17 | 17 | 17 | 17 | 17 |

| TEST-NAME: | | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 01 04 1730 | | | .3 | 1 | 0.007 | 0.017 | 0.848 | 0.865 | 151.0 | 40.0 | 111.000 | 170.0 | 11.00 | 2.200 |
| 80 03 22 1630 | | | .3 | 1 | 0.033 | 0.050 | 0.770 | 0.820 | 155.0 | 12.0 | 143.000 | 220.0 | 5.10 | 2.500 |
| 80 06 04 1500 | | | .3 | 1 | 0.006 | 0.018 | 0.412 | 0.430 | 93.00 | 12.00 | 81.000 | 125.0 | 2.40 | 0.750 |
| 80 06 11 1440 | | | .3 | 1 | 0.007 | 0.012 | 0.488 | 0.500 | 91.00 | 13.00 | 78.000 | 120.0 | 2.50 | 0.850 |
| 80 06 18 1555 | | | .3 | 1 | 0.006 | 0.018 | 0.532 | 0.550 | 82.00 | 7.00 | 75.000 | 115.0 | 3.00 | 0.600 |
| 80 06 25 1526 | | | .3 | 1 | 0.005< | 0.011 | 0.548 | 0.559 | 89.00 | 8.00 | 81.000 | 125.0 | 2.60 | 0.900 |
| 80 07 03 1248 | | | .3 | 1 | 0.006 | 0.042 | 0.498 | 0.540 | 88.00 | 3.00 | 85.000 | 130.0 | 2.70 | 0.600 |
| 80 07 09 1440 | | | .3 | 1 | 0.005 | 0.020 | 0.540 | 0.560 | 100.00 | 9.00 | 91.000 | 140.0 | 6.20 | 1.000 |
| 80 07 16 1550 | | | .3 | 1 | 0.009 | 0.017 | 0.678 | 0.695 | 98.00 | 4.00 | 94.000 | 130.0 | 2.00 | 1.100 |
| 80 07 23 1625 | | | .3 | 1 | 0.014 | 0.034 | 0.736 | 0.770 | 104.00 | 6.00 | 98.000 | 150.0 | 3.60 | 2.300 |
| 80 07 30 1700 | | | .3 | 1 | 0.015 | 0.079 | 0.946 | 1.025 | 122.00 | 11.00 | 111.000 | 170.0 | 4.70 | 2.900 |
| 80 08 07 1620 | | | .3 | 1 | 0.005< | 0.021 | 1.194 | 1.215 | 129.00 | 9.00 | 120.000 | 185.0 | 4.30 | 2.900 |
| 80 08 13 1550 | | | .3 | 1 | 0.006 | 0.022 | 1.148 | 1.170 | 134.00 | 10.00 | 124.000 | 190.0 | 23.00 | 3.200 |
| 80 08 20 1540 | | | .3 | 1 | 0.020 | 0.195 | 0.550 | 0.745 | 94 | 11 | 83 | 128 | 2.8 | 0.60 |
| 80 08 27 1545 | | | .3 | 1 | 0.007 | 0.064 | 0.746 | 0.810 | 132.00 | 8.00 | 124.000 | 190.0 | 2.80 | 2.000 |
| 80 10 15 0910 | | | .3 | 1 | 0.010 | 0.035 | 0.780 | 0.815 | 111.00 | 13.00 | 98.000 | 150.0 | 2.10 | 1.550 |
| 80 12 19 1400 | | | .3 | 1 | 0.033 | 0.036 | 0.699 | 0.735 | 125.00 | 5.00 | 120.000 | 185.0 | 3.50 | 1.950 |
| MAXIMUM | | | | | 0.033 | 0.195 | 1.194 | 1.215 | 155.0 | 40.0 | 143.000 | 220.0 | 23.00 | 3.200 |
| ARITH MEAN | | | | | 0.011L | 0.041 | 0.713 | 0.753 | 111 | 10 | 101 | 154 | 4.9 | 1.64 |
| GEOM MEAN | | | | | 0.009L | 0.030 | 0.682 | 0.723 | 109 | 8 | 99 | 151 | 3.8 | 1.39 |
| MINIMUM | | | | | 0.005< | 0.011 | 0.412 | 0.430 | 82.00 | 3.00 | 75.000 | 115.0 | 2.00 | 0.600 |
| STD DEV | | | | | 0.009L | 0.044 | 0.225 | 0.226 | 22 | 8 | 20 | 31 | 5.1 | 0.91 |
| NO OF SAMPLES | | | | | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |

| TEST-NAME: | | | | | SSO4UR | SIO3UR | ACDT | ALKT | PH | PHNOL | FEUT | HARDT | CAUR | MGUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SULPHATE UNF.REAC MG/L AS SO4 | SILICATE UNF.REAC MG/L AS SI | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG |
| 80 06 04 1500 | | | .3 | 1 | 9.000 | | | 56.0 | 7.16 | 3.500 | 0.900 | 61.000 | 18.200 | 3.800 |
| 80 06 11 1440 | | | .3 | 1 | 10.000 | | | 52.0 | 7.14 | 3.000 | 0.360 | 58.000 | 16.800 | 3.900 |
| 80 06 18 1555 | | | .3 | 1 | 9.500 | | | 49.0 | 7.31 | 2.000 | 0.370 | 58.000 | 15.800 | 4.550 |
| 80 06 25 1526 | | | .3 | 1 | 12.500 | | | 53.0 | 7.01 | 3.000 | 0.500 | 59.000 | 17.000 | 3.950 |
| 80 07 03 1248 | | | .3 | 1 | 7.500 | | | 58.0 | 7.31 | 1.000< | 0.350 | 64.000 | 17.800 | 4.650 |
| 80 07 09 1440 | | | .3 | 1 | 11.000 | | | 61.0 | 7.27 | 3.000 | 1.500 | 70.000 | 19.800 | 5.000 |
| 80 07 16 1550 | | | .3 | 1 | 14.000 | | | 62.0 | 6.97 | 2.000 | 0.450 | 76.000 | 21.000 | 5.750 |
| 80 07 23 1625 | | | .3 | 1 | 13.000 | | | 61.0 | 6.90 | 3.000 | 0.450 | 77.000 | 21.000 | 6.000 |
| 80 07 30 1700 | | | .3 | 1 | 16.000 | | | 66.0 | 6.43 | 5.000 | 0.510 | 97.000 | 23.000 | 9.500 |
| 80 08 07 1620 | | | .3 | 1 | 15.000 | | | 73.0 | 6.46 | 12.000 | 0.510 | 94.000 | 26.000 | 7.000 |
| 80 08 13 1550 | | | .3 | 1 | 11.500 | | | 71.0 | 6.58 | 13.000 | 0.820 | 92.000 | 26.000 | 6.500 |
| 80 08 20 1540 | | | .3 | 1 | 9.5 | 2.25 | 2.90 | 61 | 7.51 | 1 < | 0.50 | 66 | 18.8 | 4.55 |
| 80 08 27 1545 | | | .3 | 1 | 18.000 | | | 78.0 | 6.68 | 9.000 | 0.480 | 98.000 | 26.000 | 8.000 |
| 80 10 15 0910 | | | .3 | 1 | 14.000 | 2.300 | 6.300 | 58.0 | 7.19 | 3.000 | 0.450 | 73.000 | 20.000 | 5.650 |
| 80 12 19 1400 | | | .3 | 1 | 21.500 | 2.550 | 10.900 | 75.0 | 7.16 | | 0.300 | 89.000 | 25.000 | 6.500 |
| MAXIMUM | | | | | 21.500 | 2.550 | 10.900 | 78.0 | 7.51 | 13.000 | 1.500 | 98.000 | 26.000 | 9.500 |
| ARITH MEAN | | | | | 12.8 | 2.36 | 6.70 | 62 | 7.01 | 4 L | 0.56 | 75 | 20.8 | 5.68 |
| GEOM MEAN | | | | | 12.3 | 2.36 | 5.84 | 61 | 7.00 | 3 L | 0.51 | 74 | 20.5 | 5.48 |
| MINIMUM | | | | | 7.500 | 2.25 | 2.90 | 49.0 | 6.43 | 1.000< | 0.300 | 58.000 | 15.800 | 3.800 |
| STD DEV | | | | | 3.7 | 0.16 | 4.01 | 8 | 0.33 | 3 L | 0.30 | 14 | 3.5 | 1.62 |
| NO OF SAMPLES | | | | | 15 | 3 | 3 | 15 | 16 | 14 | 15 | 16 | 15 | 16 |

| TEST-NAME: | | | | | COLAP | KKUR | NAUR | COD | CCUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O | CARBON UNF-TOT. MG/L AS C | MANGANSE UNF.TOT. MG/L AS MN |
| 80 06 04 1500 | | | .3 | 1 | 70.000> | 0.80 | 1.100 | 32 | 19.2 | 0.065 |
| 80 06 11 1440 | | | .3 | 1 | 70.000> | 0.75 | 1.000 | 60 | 18.6 | 0.040 |
| 80 06 18 1555 | | | .3 | 1 | 70.000> | 0.55 | 1.600 | 44 | 20.8 | 0.030 |
| 80 06 25 1526 | | | .3 | 1 | 70.000> | 0.70 | 1.400 | 56 | 24.8 | 0.060 |
| 80 07 03 1248 | | | .3 | 1 | 70.000> | 0.85 | 1.400 | 36 | 15.8 | 0.045 |
| 80 07 09 1440 | | | .3 | 1 | 70.000> | 0.80 | 1.400 | 50 | 22.4 | 0.122 |
| 80 07 16 1550 | | | .3 | 1 | 70.000> | 0.65 | 1.700 | 84 | 30.2 | 0.065 |
| 80 07 23 1625 | | | .3 | 1 | 70.000> | 0.75 | 2.000 | 94 | 33.6 | 0.080 |
| 80 07 30 1700 | | | .3 | 1 | 70.000> | 1.25 | 2.400 | 185 | 56.0 | 0.096 |
| 80 08 07 1620 | | | .3 | 1 | 70.000> | 1.00 | 2.500 | 228 | 76.5 | 0.101 |

(CONTD)

SAMPLE INFORMATION SYSTEM
1980 WATER QUALITY DATA
DATE OF REPORT: 29 AUG 81

B.O.W./SITE: **KAPUSKASING RIVER**
SAMPLE POINT: **AT FRED FLATT RD.DNSTR.FROM KAPUSKASING**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE ONTARIO**
MINOR BASIN: **JAMES BAY SHORE**
TERM STREAM: **MOOSE RIVER**

STATION ID: **19-0064-024-02**
STORET CODE: **04**
**001**
**0230**

LAT:
LONG:
U T M: **17 0404200.0 5491600.0 4**
REGION: **05**
DISTANCE: **278.087**

| TEST-NAME: | | | | COLAP | KKUR | NAUR | COD | CCUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O | CARBON UNF-TOT. MG/L AS C | MANGANSE UNF.TOT. MG/L AS MN |
| 80 08 13 1550 | | .3 | 1 | 70.000> | 1.10 | 2.700 | 234 | 78.5 | 0.124 |
| 80 08 20 1540 | | 3 | 1 | 70 > | 0.70 | 1.2 | 51 | 38.2 | 0.060 |
| 80 08 27 1545 | | .3 | 1 | 74.000 | 1.00 | 2.400 | 120 | 34.8 | 0.080 |
| 80 10 15 0910 | | 3 | 1 | 70.000> | 0.75 | 1.800 | 110 | | 0.065 |
| 80 12 19 1400 | | 3 | 1 | 49.000 | 0.95 | 2.200 | 180 | | 0.064 |
| MAXIMUM | | | | 74.000> | 1.25 | 2.700 | 234 | 78.5 | 0.124 |
| ARITH MEAN | | | | 68 G | 0.84 | 1.7 | 104 | 36.1 | 0.073 |
| GEOM MEAN | | | | 68 G | 0.82 | 1.7 | 85 | 31.5 | 0.068 |
| MINIMUM | | | | 49.000 | 0.55 | 1.000 | 32 | 15.8 | 0.030 |
| STD DEV | | | | 5 G | 0.19 | 0.5 | 70 | 21.3 | 0.028 |
| NO OF SAMPLES | | | | 15 | 15 | 15 | 15 | 13 | 15 |

B.O.W./SITE: **MATTAWISHKWIA RIVER**
SAMPLE POINT: **ON RD.BETWEEN LOTS 6&7 UPSTR OF HEARST**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE ONTARIO**
MINOR BASIN: **JAMES BAY SHORE**
TERM STREAM: **MOOSE RIVER**

STATION ID: **19-0064-025-02**
STORET CODE: **04**
**001**
**0230**

LAT:
LONG:
U T M: **17 0293400.0 5506600.0 4**
REGION: **05**
DISTANCE: **353.241**

| TEST-NAME: | | | | SAMPLE | FWSTRC | FWTEMP | DO | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM COND. | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 01 04 1430 | | .3 | 1 | 13701 | 4 | 0.0 | 11.0 | 0.024 | 0.004 | 0.142 | 0.560 | 0.007 | 0.173 |
| 80 03 22 1250 | | .3 | 1 | 13715 | 4 | 0.0 | 11.0 | 0.023 | 0.001 | 0.026 | 0.080 | 0.009 | 0.461 |
| MAXIMUM | | | | | | 0 | 11.0 | 0.024 | 0.004 | 0.142 | 0.560 | 0.009 | 0.461 |
| ARITH MEAN | | | | | | 0.0 | 11.0 | 0.023 | 0.002 | 0.084 | 0.320 | 0.008 | 0.317 |
| GEOM MEAN | | | | | | | 11.0 | 0.023 | 0.002 | 0.061 | 0.212 | 0.008 | 0.282 |
| MINIMUM | | | | | | 0.0 | 11.0 | 0.023 | 0.001 | 0.026 | 0.080 | 0.007 | 0.173 |
| STD DEV | | | | | | | 0.0 | 0.001 | 0.002 | 0.082 | 0.339 | 0.001 | 0.204 |
| NO OF SAMPLES | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| TEST-NAME: | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 01 04 1430 | | .3 | 1 | 0.322 | 0.418 | 0.740 | 94.0 | 10.0 | 84.000 | 129.0 | 3.20 | 1.050 |
| 80 03 22 1250 | | .3 | 1 | 0.496 | 0.054 | 0.550 | 172.0 | 6.0 | 166.000 | 255.0 | 3.20 | 1.150 |
| MAXIMUM | | | | 0.496 | 0.418 | 0.740 | 172.0 | 10.0 | 166.000 | 255.0 | 3.20 | 1.150 |
| ARITH MEAN | | | | 0.409 | 0.236 | 0.645 | 133.0 | 8.0 | 125.000 | 192.0 | 3.20 | 1.100 |
| GEOM MEAN | | | | 0.400 | 0.150 | 0.638 | 127.2 | 7.7 | 118.085 | 181.4 | 3.20 | 1.099 |
| MINIMUM | | | | 0.322 | 0.054 | 0.550 | 94.0 | 6.0 | 84.000 | 129.0 | 3.20 | 1.050 |
| STD DEV | | | | 0.123 | 0.257 | 0.134 | 55.2 | 2.8 | 57.983 | 89.1 | 0.00 | 0.071 |
| NO OF SAMPLES | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

B.O.W./SITE: **ABITIBI RIVER**
SAMPLE POINT: **36MI.DNSTR.ABITIBI IROQUOIS FALLS MILL**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE ONTARIO**
MINOR BASIN: **JAMES BAY SHORE**
TERM STREAM: **MOOSE RIVER**

STATION ID: **19-0064-030-02**
STORET CODE: **04**
**001**
**0230**

LAT:
LONG:
U T M: **17 0503250.0 5448000.0 4**
REGION: **05**
DISTANCE: **268.500**

| TEST-NAME: | | | | SAMPLE | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN STN DIST BRG FEET | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 06 03 1424 | | .3 | 1 | 13972 | 12.8 | 8.9 | 2.0 | 0.045 | 0.011 | 0.012 | 0.480 | 0.021 | 0.036 |
| 80 06 10 1330 | | .3 | 1 | 13973 | 9.5 | 8.8 | 2.2 | 0.048 | 0.017 | 0.004 | 0.500 | 0.020 | 0.080 |
| 80 06 17 1353 | | .3 | 1 | 13974 | 12.0 | 8.0 | 1.8 | 0.037 | 0.015 | 0.002 | 0.480 | 0.015 | 0.110 |
| 80 06 24 1355 | | .3 | 1 | 13975 | 6.0 | 7.1 | 1.6 | 0.042 | 0.012 | 0.008 | 0.510 | 0.017 | 0.088 |
| 80 07 02 1145 | | .3 | 1 | 13976 | 15.0 | 6.4 | 3.6 | 0.050 | 0.013 | 0.024 | 0.500 | 0.014 | 0.083 |
| 80 07 08 1255 | | .3 | 1 | 13977 | 15.7 | 8.1 | 0.8 | 0.073 | 0.034 | 0.048 | 0.450 | 0.032 | 0.140 |
| 80 07 15 1250 | | .3 | 1 | 13978 | 17.7 | 7.2 | 1.0 | 0.060 | 0.028 | 0.038 | 0.530 | 0.026 | 0.144 |
| 80 07 27 1220 | | .3 | 1 | 13979 | 18.6 | 7.2 | 0.4 | 0.033 | 0.028 | 0.046 | 0.190 | 0.015 | 0.190 |
| 80 07 29 1240 | | .3 | 1 | 13980 | 18.9 | 7.2 | 0.6 | 0.080 | 0.041 | 0.050 | 0.450 | 0.017 | 0.188 |
| 80 08 06 1155 | | .3 | 1 | 13981 | 19.3 | 4.9 | 2.2 | 0.075 | 0.022 | 0.006 | 0.210 | 0.016 | 0.069 |
| 80 08 12 1600 | | .3 | 1 | 13982 | 19.4 | 5.2 | 1.4 | 0.060 | 0.023 | 0.028 | 0.450 | 0.017 | 0.083 |
| 80 08 19 1340 | | .3 | 1 | 13983 | 18.2 | 5.6 | 1.6 | 0.045 | 0.025 | 0.016 | 0.400 | 0.016 | 0.041 |
| 80 08 26 1330 | | .3 | 1 | 13984 | 19.6 | 5.0 | 1.6 | 0.070 | 0.037 | 0.014 | 0.460 | 0.018 | 0.072 |
| MAXIMUM | | | | | 19.6 | 8.9 | 3.6 | 0.080 | 0.041 | 0.050 | 0.530 | 0.032 | 0.190 |
| ARITH MEAN | | | | | 15.6 | 6.9 | 1.6 | 0.056 | 0.024 | 0.023 | 0.432 | 0.019 | 0.102 |
| GEOM MEAN | | | | | 14.9 | 6.8 | 1.4 | 0.053 | 0.022 | 0.016 | 0.414 | 0.018 | 0.091 |
| MINIMUM | | | | | 6.0 | 4.9 | 0.4 | 0.033 | 0.011 | 0.002 | 0.190 | 0.014 | 0.036 |
| STD DEV | | | | | 4.3 | 1.4 | 0.8 | 0.015 | 0.010 | 0.016 | 0.108 | 0.005 | 0.050 |
| NO OF SAMPLES | | | | | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |

(CONTD)

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 |
| 80 06 03 1424 | | | .3 | 1 | 0.069 | 0.468 | 0.537 | 90.00 | 22.00 | 68.000 | 105.0 | 27.00 | | 11.000 |
| 80 06 10 1330 | | | .3 | 1 | 0.104 | 0.496 | 0.600 | 80.00 | 12.00 | 68.000 | 105.0 | 23.00 | 0.700 | 11.000 |
| 80 06 17 1353 | | | .3 | 1 | 0.127 | 0.478 | 0.605 | 87.00 | 15.00 | 72.000 | 110.0 | 25.00 | 0.750 | 11.000 |
| 80 06 24 1355 | | | .3 | 1 | 0.113 | 0.502 | 0.615 | 77.00 | 9.00 | 68.000 | 105.0 | 26.00 | 0.900 | 12.000 |
| 80 07 02 1145 | | | .3 | 1 | 0.121 | 0.476 | 0.597 | 90.00 | 18.00 | 72.000 | 110.0 | 28.00 | 0.850 | 12.500 |
| 80 07 08 1255 | | | .3 | 1 | 0.220 | 0.402 | 0.622 | 123.00 | 38.00 | 85.000 | 130.0 | 49.00 | 1.400 | 10.000 |
| 80 07 15 1250 | | | .3 | 1 | 0.208 | 0.492 | 0.700 | 101.00 | 23.00 | 78.000 | 120.0 | 37.00 | 1.000 | 11.500 |
| 80 07 27 1220 | | | .3 | 1 | 0.251 | 0.144 | 0.395 | 91.00 | 19.00 | 72.000 | 110.0 | 38.00 | 0.950 | 10.000 |
| 80 07 29 1240 | | | .3 | 1 | 0.255 | 0.400 | 0.655 | 92.00 | 17.00 | 75.000 | 115.0 | 35.00 | 0.900 | 9.500 |
| 80 08 06 1155 | | | .3 | 1 | 0.091 | 0.204 | 0.295 | 93.00 | 18.00 | 75.000 | 115.0 | 33.00 | 1.050 | 11.500 |
| 80 08 12 1600 | | | .3 | 1 | 0.128 | 0.422 | 0.550 | 91.00 | 19.00 | 72.000 | 110.0 | 41.00 | 0.800 | 12.000 |
| 80 08 19 1340 | | | .3 | 1 | 0.073 | 0.384 | 0.457 | 93.00 | 15.00 | 78.000 | 120.0 | 30.00 | 1.000 | 11.500 |
| 80 08 26 1330 | | | .3 | 1 | 0.104 | 0.446 | 0.550 | 98.00 | 20.00 | 78.000 | 120.0 | 43.00 | 1.000 | 11.000 |
| MAXIMUM | | | | | 0.255 | 0.502 | 0.700 | 123.00 | 38.00 | 85.000 | 130.0 | 49.00 | 1.400 | 12.500 |
| ARITH MEAN | | | | | 0.143 | 0.409 | 0.552 | 92.77 | 18.85 | 73.923 | 113.5 | 33.46 | 0.942 | 11.115 |
| GEOM MEAN | | | | | 0.131 | 0.388 | 0.540 | 92.21 | 17.84 | 73.773 | 113.2 | 32.63 | 0.927 | 11.083 |
| MINIMUM | | | | | 0.069 | 0.144 | 0.295 | 77.00 | 9.00 | 68.000 | 105.0 | 23.00 | 0.700 | 9.500 |
| STD DEV | | | | | 0.066 | 0.112 | 0.111 | 11.09 | 6.91 | 4.958 | 7.5 | 7.88 | 0.181 | 0.870 |
| NO OF SAMPLES | | | | | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 | 13 |

| TEST-NAME: | | | | | ALKT | PH | PHNOL | FEUT | HARDT | CAUR | MGUR | COLAP | KKUR | NAUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ALK TOTAL MG/L AS CACO3 | PH | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA |
| 80 06 03 1424 | | | .3 | 1 | 48.0 | 7.32 | 1.000< | | 49.000 | 14.800 | 2.850 | 70.000> | | |
| 80 06 10 1330 | | | .3 | 1 | 42.0 | 7.42 | 2.000 | 2.100 | 47.000 | 14.000 | 2.950 | 70.000> | 1.40 | 2.500 |
| 80 06 17 1353 | | | .3 | 1 | 45.0 | 7.31 | 1.000 | 2.100 | 50.000 | 15.200 | 2.950 | 70.000> | 1.30 | 2.100 |
| 80 06 24 1355 | | | .3 | 1 | 42.0 | 7.18 | 2.000 | 2.200 | 45.000 | 13.000 | 3.050 | 70.000> | 1.10 | 2.300 |
| 80 07 02 1145 | | | .3 | 1 | 43.0 | 7.33 | 2.000 | 2.400 | 49.000 | 14.600 | 3.100 | 70.000> | 1.55 | 3.200 |
| 80 07 08 1255 | | | .3 | 1 | 58.0 | 7.83 | 1.000< | 5.100 | 67.000 | 20.000 | 4.150 | 70.000> | 2.10 | 2.400 |
| 80 07 15 1250 | | | .3 | 1 | 52.0 | 7.58 | 2.000 | 2.400 | 61.000 | 17.600 | 4.250 | 70.000> | 1.65 | 2.000 |
| 80 07 27 1220 | | | .3 | 1 | 46.0 | 7.51 | 2.000 | 3.100 | 55.000 | 15.600 | 3.900 | 70.000> | 1.65 | 1.800 |
| 80 07 29 1240 | | | .3 | 1 | 48.0 | 7.22 | 1.000< | 2.600 | 53.000 | 16.600 | 2.850 | 70.000> | 1.65 | 1.800 |
| 80 08 06 1155 | | | .3 | 1 | 47.0 | 7.09 | 1.000 | 2.800 | 48.000 | 13.200 | 3.700 | 70.000> | 1.75 | 2.700 |
| 80 08 12 1600 | | | .3 | 1 | 44.0 | 7.22 | 1.000< | 3.250 | 51.000 | 14.400 | 3.600 | 70.000> | 1.80 | 3.500 |
| 80 08 19 1340 | | | .3 | 1 | 49.0 | 7.49 | 1.000< | 3.100 | 58.000 | 16.400 | 4.050 | 70.000> | 1.60 | 2.900 |
| 80 08 26 1330 | | | .3 | 1 | 50.0 | 7.24 | 1.000< | 2.900 | 59.000 | 17.000 | 4.000 | 70.000> | 1.90 | 3.100 |
| MAXIMUM | | | | | 58.0 | 7.83 | 2.000 | 5.100 | 67.000 | 20.000 | 4.250 | 70.000> | 2.10 | 3.500 |
| ARITH MEAN | | | | | 47.2 | 7.36 | 1.385L | 2.837 | 53.231 | 15.569 | 3.492 | 70.000G | 1.62 | 2.525 |
| GEOM MEAN | | | | | 47.0 | 7.36 | 1.308L | 2.751 | 52.890 | 15.462 | 3.453 | 70.000G | 1.60 | 2.488 |
| MINIMUM | | | | | 42.0 | 7.09 | 1.000< | 2.100 | 46.000 | 13.000 | 2.850 | 70.000 | 1.10 | 1.800 |
| STD DEV | | | | | 4.5 | 0.20 | 0.506L | 0.818 | 6.418 | 1.942 | 0.546 | 0.000G | 0.27 | 0.563 |
| NO OF SAMPLES | | | | | 13 | 13 | 13 | 12 | 13 | 13 | 13 | 13 | 12 | 12 |

| TEST-NAME: | | | | | COD | CCUT | MNUT |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHEM. OX DEMAND MG/L AS O | CARBON UNF-TOT. MG/L AS C | MANGANSE UNF.TOT. MG/L AS MN |
| 80 06 03 1424 | | | .3 | 1 | 42 | | |
| 80 06 10 1330 | | | .3 | 1 | 24 | 16.0 | 0.055 |
| 80 06 17 1353 | | | .3 | 1 | 34 | 14.5 | 0.060 |
| 80 06 24 1355 | | | .3 | 1 | 30 | 15.4 | 0.060 |
| 80 07 02 1145 | | | .3 | 1 | 48 | 15.4 | 0.070 |
| 80 07 08 1255 | | | .3 | 1 | 34 | 14.9 | 0.105 |
| 80 07 15 1250 | | | .3 | 1 | 28 | 13.1 | 0.064 |
| 80 07 27 1220 | | | .3 | 1 | 20 | 12.0 | 0.060 |
| 80 07 29 1240 | | | .3 | 1 | 36 | 12.5 | 0.060 |
| 80 08 06 1155 | | | .3 | 1 | 34 | 14.9 | 0.085 |
| 80 08 12 1600 | | | .3 | 1 | 34 | 14.5 | 0.080 |
| 80 08 19 1340 | | | .3 | 1 | 44 | 12.8 | 0.075 |
| 80 08 26 1330 | | | .3 | 1 | 24 | 13.3 | 0.090 |
| MAXIMUM | | | | | 48 | 16.0 | 0.105 |
| ARITH MEAN | | | | | 33 | 14.1 | 0.072 |
| GEOM MEAN | | | | | 32 | 14.1 | 0.071 |
| MINIMUM | | | | | 20 | 12.0 | 0.055 |
| STD DEV | | | | | 8 | 1.3 | 0.015 |
| NO OF SAMPLES | | | | | 13 | 12 | 12 |

STATION ID: **19-0064-031-02**

B.O.W. / SITE: **ABITIBI RIVER**
SAMPLE POINT: **UPSTR.OF ABITIBI MILL DISCHARGE**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE ONTARIO**
MINOR BASIN: **JAMES BAY SHORE**
TERM STREAM: **MOOSE RIVER**

STORET CODE: **04**
**001**
**0230**

U.T.M.: **17 0524425.0 5400800.0 4**
REGION: **05**
DISTANCE: **373.840**

LAT:
LONG:

| TEST-NAME: | | | | | SAMPLE | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 06 03 1048 | | | .3 | 1 | 13960 | 12.7 | 9.6 | 0.8 | 0.038 | 0.015 | 0.028 | 0.410 | 0.012 | 0.140 |
| 80 06 10 1007 | | | .3 | 1 | 13961 | 10.9 | 9.7 | 0.6 | 0.040 | 0.018 | 0.024 | 0.420 | 0.013 | 0.162 |
| 80 06 16 1356 | | | .3 | 1 | 13962 | 12.3 | 9.3 | 1.6 | 0.039 | 0.017 | 0.042 | 0.440 | 0.015 | 0.175 |
| 80 06 24 1025 | | | .3 | 1 | 13963 | 14.3 | 9.1 | 0.8 | 0.045 | 0.020 | 0.023 | 0.450 | 0.017 | 0.183 |
| 80 07 01 1330 | | | .3 | 1 | 13964 | 14.5 | 8.7 | 1.6 | 0.118 | 0.049 | 0.086 | 0.780 | 0.012 | 0.163 |
| 80 07 07 1350 | | | .3 | 1 | 13965 | 17.0 | 7.9 | 1.8 | 0.060 | 0.019 | 0.076 | 1.130 | 0.016 | 0.142 |
| 80 07 14 1420 | | | .3 | 1 | 13966 | 18.8 | 8.1 | 1.0 | 0.085 | 0.037 | 0.030 | 0.650 | 0.014 | 0.116 |
| 80 07 21 1425 | | | .3 | 1 | 13967 | 18.3 | 7.7 | 0.6 | 0.024 | 0.024 | 0.100 | 0.270 | 0.012 | 0.173 |
| 80 08 12 1340 | | | .3 | 1 | 13968 | 12.7 | 9.6 | 0.6 | 0.062 | 0.031 | 0.018 | 0.420 | 0.019 | 0.171 |
| 80 08 18 1405 | | | .3 | 1 | 13969 | 18.4 | 7.9 | 0.8 | 0.057 | 0.039 | 0.026 | 0.390 | 0.017 | 0.117 |
| 80 08 25 1635 | | | .3 | 1 | 13970 | 19.1 | 7.0 | 0.6 | 0.055 | 0.037 | 0.010 | 0.260 | 0.020 | 0.160 |

(CONTD)

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

| | | | |
|---|---|---|---|
| B.O.W./SITE: **ABITIBI RIVER** | | STATION ID: **19-0084-031-02** | |
| SAMPLE POINT: **UPSTR.OF ABITIBI MILL DISCHARGE** | MAJOR BASIN: **ARCTIC DRAINAGE ONTARIO** | STORET CODE: **04**<br>**001**<br>**0230** | |
| STATION TYPE: **RIVER** | MINOR BASIN: **JAMES BAY SHORE** | | |
| | TERM STREAM: **MOOSE RIVER** | | |
| LAT | LONG: | U T M: **17 0524425.0 5400800.0 4** | REGION: **05** DISTANCE: **373.840** |

| TEST-NAME: | | | | | SAMPLE | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| MAXIMUM | | | | | | 19.1 | 9.7 | 1.8 | 0.118 | 0.049 | 0.100 | 1.130 | 0.020 | 0.183 |
| ARITH MEAN | | | | | | 15.4 | 8.6 | 1.0 | 0.057 | 0.028 | 0.042 | 0.511 | 0.015 | 0.165 |
| GEOM MEAN | | | | | | 15.1 | 8.6 | 0.9 | 0.052 | 0.026 | 0.033 | 0.466 | 0.015 | 0.153 |
| MINIMUM | | | | | | 10.9 | 7.0 | 0.6 | 0.024 | 0.015 | 0.010 | 0.260 | 0.012 | 0.116 |
| STD DEV | | | | | | 3.0 | 0.9 | 0.5 | 0.026 | 0.011 | 0.031 | 0.254 | 0.003 | 0.023 |
| NO OF SAMPLES | | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 |
| 80 06 03 1048 | | | .3 | 1 | 0.180 | 0.382 | 0.562 | 69.00 | 10.00 | 59.000 | 90.0 | 22.00 | 0.600 | 8.500 |
| 80 06 10 1007 | | | .3 | 1 | 0.199 | 0.396 | 0.595 | 74.00 | 9.00 | 65.000 | 100.0 | 25.00 | 0.650 | 9.000 |
| 80 06 16 1356 | | | .3 | 1 | 0.232 | 0.398 | 0.630 | 79.00 | 11.00 | 68.000 | 105.0 | 29.00 | 1.050 | 8.500 |
| 80 06 24 1025 | | | .3 | 1 | 0.223 | 0.427 | 0.650 | 70.00 | 11.00 | 59.000 | 90.0 | 31.00 | 0.900 | 9.500 |
| 80 07 01 1330 | | | .3 | 1 | 0.261 | 0.694 | 0.955 | 101.00 | 33.00 | 68.000 | 105.0 | 36.00 | 0.950 | 10.000 |
| 80 07 07 1350 | | | .3 | 1 | 0.234 | 1.054 | 1.288 | 117.00 | 32.00 | 85.000 | 130.0 | 33.00 | 1.750 | 9.500 |
| 80 07 14 1420 | | | .3 | 1 | 0.160 | 0.620 | 0.780 | 96.00 | 15.00 | 81.000 | 125.0 | 30.00 | 1.150 | 11.000 |
| 80 07 21 1425 | | | .3 | 1 | 0.285 | 0.170 | 0.455 | 80.00 | 12.00 | 68.000 | 105.0 | 35.00 | 0.950 | 10.000 |
| 80 08 12 1340 | | | .3 | 1 | 0.208 | 0.402 | 0.610 | 73.00 | 8.00 | 65.000 | 100.0 | 42.00 | 0.850 | 10.000 |
| 80 08 18 1405 | | | .3 | 1 | 0.160 | 0.364 | 0.524 | 87.00 | 12.00 | 75.000 | 115 | 43.00 | 1.100 | 9.500 |
| 80 08 25 1635 | | | .3 | 1 | 0.190 | 0.250 | 0.440 | 85.00 | 13.00 | 72.000 | 110.0 | 43.00 | 1.050 | 8.500 |
| MAXIMUM | | | | | 0.285 | 1.054 | 1.288 | 117.00 | 33.00 | 85.000 | 130.0 | 43.00 | 1.750 | 11.000 |
| ARITH MEAN | | | | | 0.212 | 0.489 | 0.681 | 84.64 | 15.09 | 69.545 | 106 | 33.55 | 1.000 | 9.455 |
| GEOM MEAN | | | | | 0.209 | 0.420 | 0.648 | 83.54 | 13.44 | 69.116 | 106 | 32.84 | 0.963 | 9.425 |
| MINIMUM | | | | | 0.160 | 0.170 | 0.440 | 69.00 | 8.00 | 59.000 | 90.0 | 22.00 | 0.600 | 8.500 |
| STD DEV | | | | | 0.040 | 0.243 | 0.248 | 14.87 | 8.81 | 8.226 | 12 | 7.10 | 0.303 | 0.789 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | ALKT | PH | PHNOL | FEUT | HARDT | CAUR | MGUR | COLAP | KKUR | NAUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ALK TOTAL MG/L AS CACO3 | PH | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA |
| 80 06 03 1048 | | | .3 | 1 | 38.0 | 7.55 | 1.000< | 1.800 | 42.000 | 12.600 | 2.550 | 70.000> | 1.35 | 1.400 |
| 80 06 10 1007 | | | .3 | 1 | 42.0 | 7.75 | 1.000 | 2.000 | 47.000 | 13.800 | 2.950 | 70.000> | 1.30 | 1.600 |
| 80 06 16 1356 | | | .3 | 1 | 44.0 | 7.57 | 2.000 | 2.200 | 49.000 | 14.600 | 3.000 | 70.000> | 1.70 | 1.600 |
| 80 06 24 1025 | | | .3 | 1 | 39.0 | 7.53 | 1.000 | 2.500 | 42.000 | 12.000 | 2.900 | 70.000> | 1.45 | 1.300 |
| 80 07 01 1330 | | | .3 | 1 | 44.0 | 7.62 | 1.000< | 3.100 | 48.000 | 14.600 | 2.850 | 70.000> | 1.80 | 2.300 |
| 80 07 07 1350 | | | .3 | 1 | 57.0 | 7.45 | 1.000< | 2.500 | 66.000 | 19.200 | 4.350 | 70.000> | 1.85 | 2.300 |
| 80 07 14 1420 | | | .3 | 1 | 55.0 | 7.65 | 1.000< | 1.900 | 63.000 | 18.600 | 4.100 | 70.000> | 1.45 | 1.900 |
| 80 07 21 1425 | | | .3 | 1 | 44.0 | 7.44 | 1.000 | 2.900 | 53.000 | 15.200 | 3.700 | 70.000> | 1.80 | 1.800 |
| 80 08 12 1340 | | | .3 | 1 | 43.0 | 7.41 | 1.000< | 3.000 | 50.000 | 14.200 | 3.500 | 70.000> | 1.60 | 2.100 |
| 80 08 18 1405 | | | .3 | 1 | 48.0 | 7.89 | 1.000< | 3.300 | 57.000 | 16.000 | 4.050 | 70.000> | 1.80 | 2.100 |
| 80 08 25 1635 | | | .3 | 1 | 46.0 | 7.51 | 1.000< | 3.100 | 53.000 | 15.400 | 3.500 | 70.000> | 2.00 | 2.000 |
| MAXIMUM | | | | | 57.0 | 7.89 | 2.000 | 3.300 | 66.000 | 19.200 | 4.350 | 70.000> | 2.00 | 2.300 |
| ARITH MEAN | | | | | 45.5 | 7.58 | 1.091L | 2.573 | 51.818 | 15.109 | 3.405 | 70.000G | 1.65 | 1.855 |
| GEOM MEAN | | | | | 45.1 | 7.58 | 1.065L | 2.516 | 51.311 | 14.968 | 3.357 | 70.000G | 1.63 | 1.824 |
| MINIMUM | | | | | 38.0 | 7.41 | 1.000< | 1.800 | 42.000 | 12.000 | 2.550 | 70.000 | 1.30 | 1.300 |
| STD DEV | | | | | 5.9 | 0.14 | 0.302L | 0.539 | 7.731 | 2.210 | 0.597 | 0.000G | 0.23 | 0.345 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| TEST-NAME: | | | | | COD | CCUT | MNUT |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHEM. OX DEMAND MG/L AS O | CARBON UNF-TOT. MG/L AS C | MANGANSE UNF.TOT. MG/L AS MN |
| 80 06 03 1048 | | | .3 | 1 | 32 | 11.8 | 0.050 |
| 80 06 10 1007 | | | .3 | 1 | 12 | 11.6 | 0.060 |
| 80 06 16 1356 | | | .3 | 1 | 28 | 12.0 | 0.050 |
| 80 06 24 1025 | | | .3 | 1 | 28 | 12.6 | 0.055 |
| 80 07 01 1330 | | | .3 | 1 | 66 | 11.4 | 0.075 |
| 80 07 07 1350 | | | .3 | 1 | 14 | 13.1 | 0.075 |
| 80 07 14 1420 | | | .3 | 1 | 28 | 13.4 | 0.054 |
| 80 07 21 1425 | | | .3 | 1 | 22 | 12.1 | 0.055 |
| 80 08 12 1340 | | | .3 | 1 | 60 | 12.0 | 0.070 |
| 80 08 18 1405 | | | .3 | 1 | 40 | 10.4 | 0.070 |
| 80 08 25 1635 | | | .3 | 1 | 24 | 10.3 | 0.090 |
| MAXIMUM | | | | | 66 | 13.4 | 0.090 |
| ARITH MEAN | | | | | 32 | 11.9 | 0.064 |
| GEOM MEAN | | | | | 28 | 11.8 | 0.063 |
| MINIMUM | | | | | 12 | 10.3 | 0.050 |
| STD DEV | | | | | 17 | 1.0 | 0.013 |
| NO OF SAMPLES | | | | | 11 | 11 | 11 |

SAMPLE INFORMATION SYSTEM  1980 WATER QUALITY DATA  DATE OF REPORT: 29 AUG 81

B.O.W./SITE: **ABITIBI RIVER**
SAMPLE POINT: **UPSTR.FROM ABITIBI IROQUOIS FALLS DAM**
STATION TYPE: **RIVER FLOW GAUGE FED 04MC001**

MAJOR BASIN: **ARCTIC DRAINAGE ONTARIO**
MINOR BASIN: **JAMES BAY SHORE**
TERM STREAM: **MOOSE RIVER**

STATION ID: **19-0064-032-02**
STORET CODE: **04**
**001**
**0230**

LAT: LONG: U.T.M. **17 0524050.0 5400300.0 4** REGION: **05** DISTANCE: **373.519**

| TEST-NAME: | | | | | SAMPLE | FWFLOW | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | STREAM FLOW M3 /S | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N |
| 80 06 03 0956 | | | .3 | 1 | 13937 | 174.000 | 13.1 | 8.7 | 0.6 | 0.036 | 0.014 | 0.026 | 0.410 | 0.012 |
| 80 06 10 1020 | | | .3 | 1 | 13938 | 174.000 | | | 0.8 | 0.095 | 0.020 | 0.018 | 0.750 | 0.013 |
| 80 06 16 1305 | | | .3 | 1 | 13939 | 195.000 | 12.5 | 9.0 | 0.8 | 0.043 | 0.018 | 0.010 | 0.550 | 0.015 |
| 80 06 23 1320 | | | .3 | 1 | 13940 | 157.000 | 17.0 | 8.8 | 0.4 | 0.042 | 0.016 | 0.020 | 0.520 | 0.014 |
| 80 07 01 1300 | | | .3 | 1 | 13941 | 121.000 | 14.8 | 8.6 | 2.2 | 0.078 | 0.022 | 0.090 | 0.580 | 0.014 |
| 80 07 05 1330 | | | .3 | 1 | 13946 | 146.000 | 18.9 | 6.5 | 1.2 | 0.062 | 0.030 | 0.035 | 0.420 | 0.018 |
| 80 07 07 1330 | | | .3 | 1 | 13942 | 136.000 | 17.9 | 7.7 | 1.0 | 0.053 | 0.021 | 0.066 | 0.530 | 0.016 |
| 80 07 14 1350 | | | .3 | 1 | 13943 | 119.000 | 19.5 | 8.0 | 1.2 | 0.115 | 0.031 | 0.030 | 1.080 | 0.014 |
| 80 07 21 1400 | | | .3 | 1 | 13944 | 127.000 | 17.9 | 7.3 | 0.6 | 0.050 | 0.028 | 0.064 | 0.560 | 0.014 |
| 80 07 28 1420 | | | .3 | 1 | 13945 | 102.000 | 21.1 | 7.7 | 0.8 | 0.108 | 0.074 | 0.100 | 0.580 | 0.023 |
| 80 08 11 1255 | | | .3 | 1 | 13947 | 195.000 | 19.1 | 6.3 | 0.8 | 0.058 | 0.031 | 0.022 | 0.400 | 0.019 |
| 80 10 14 1310 | | | .3 | 1 | 13948 | 161.000 | 3.0 | 12.2 | 0.6 | 0.080 | 0.039 | 0.020 | 0.520 | 0.021 |
| 80 12 19 1600 | | | .3 | 1 | 13949 | 203.000 | | | 0.8 | 0.150 | 0.056 | 0.020 | 0.450 | 0.028 |
| MAXIMUM | | | | | | 203.000 | 21.1 | 12.2 | 2.2 | 0.150 | 0.074 | 0.100 | 1.080 | 0.028 |
| ARITH MEAN | | | | | | 154.615 | 15.9 | 8.3 | 0.9 | 0.075 | 0.031 | 0.040 | 0.585 | 0.017 |
| GEOM MEAN | | | | | | 151.368 | 14.5 | 8.1 | 0.8 | 0.068 | 0.027 | 0.032 | 0.545 | 0.016 |
| MINIMUM | | | | | | 102.000 | 3.0 | 6.3 | 0.4 | 0.036 | 0.014 | 0.010 | 0.400 | 0.012 |
| STD DEV | | | | | | 32.587 | 5.1 | 1.8 | 0.5 | 0.034 | 0.017 | 0.030 | 0.180 | 0.005 |
| NO OF SAMPLES | | | | | | 13 | 11 | 11 | 13 | 13 | 13 | 13 | 13 | 13 |

| TEST-NAME: | | | | | NNO3FR | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | NO3-N FIL.REAC MG/L AS N | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL |
| 80 06 03 0956 | | | 3 | 1 | 0.112 | 0.150 | 0.384 | 0.534 | 75.00 | 10.00 | 65.000 | 100.0 | 23.00 | 0.750 |
| 80 06 10 1020 | | | 3 | 1 | 0.147 | 0.178 | 0.732 | 0.910 | 85.00 | 20.00 | 65.000 | 100.0 | 29.00 | 0.750 |
| 80 06 16 1305 | | | 3 | 1 | 0.175 | 0.200 | 0.540 | 0.740 | 80.00 | 12.00 | 68.000 | 105.0 | 28.00 | 0.800 |
| 80 06 23 1320 | | | 3 | 1 | 0.131 | 0.165 | 0.500 | 0.665 | 92.00 | 11.00 | 81.000 | 125.0 | 28.00 | 2.250 |
| 80 07 01 1300 | | | 3 | 1 | 0.161 | 0.265 | 0.490 | 0.755 | 88.00 | 23.00 | 65.000 | 100.0 | 32.00 | 0.800 |
| 80 07 05 1330 | | | 3 | 1 | 0.162 | 0.215 | 0.385 | 0.600 | 83.00 | 11.00 | 72.000 | 110.0 | 34.00 | 1.150 |
| 80 07 07 1330 | | | 3 | 1 | 0.156 | 0.238 | 0.464 | 0.702 | 102.00 | 21.00 | 81.000 | 125.0 | 32.00 | 1.150 |
| 80 07 14 1350 | | | 3 | 1 | 0.111 | 0.155 | 1.050 | 1.205 | 102.00 | 17.00 | 85.000 | 130.0 | 28.00 | 1.150 |
| 80 07 21 1400 | | | 3 | 1 | 0.186 | 0.264 | 0.496 | 0.760 | 89.00 | 21.00 | 68.000 | 105.0 | 33.00 | 1.050 |
| 80 07 28 1420 | | | 3 | 1 | 0.137 | 0.260 | 0.480 | 0.740 | 88.00 | 13.00 | 75.000 | 115.0 | 30.00 | 1.050 |
| 80 08 11 1255 | | | 3 | 1 | 0.171 | 0.212 | 0.378 | 0.590 | 77.00 | 12.00 | 65.000 | 100.0 | 42.00 | 0.700 |
| 80 10 14 1310 | | | 3 | 1 | 0.199 | 0.240 | 0.500 | 0.740 | 89.00 | 14.00 | 75.000 | 116.0 | 48.00 | 1.500 |
| 80 12 19 1600 | | | 3 | 1 | 0.227 | 0.275 | 0.430 | 0.705 | 77.00 | 7.00 | 70.000 | 108.0 | 64.00 | 1.200 |
| MAXIMUM | | | | | 0.227 | 0.275 | 1.050 | 1.205 | 102.00 | 23.00 | 85.000 | 130.0 | 64.00 | 2.250 |
| ARITH MEAN | | | | | 0.160 | 0.217 | 0.525 | 0.742 | 86.69 | 14.77 | 71.923 | 110.7 | 34.69 | 1.100 |
| GEOM MEAN | | | | | 0.156 | 0.212 | 0.504 | 0.727 | 86.30 | 13.96 | 71.622 | 110.2 | 33.43 | 1.042 |
| MINIMUM | | | | | 0.111 | 0.150 | 0.378 | 0.534 | 75.00 | 7.00 | 65.000 | 100.0 | 23.00 | 0.700 |
| STD DEV | | | | | 0.033 | 0.044 | 0.182 | 0.188 | 8.64 | 5.07 | 6.968 | 10.6 | 10.93 | 0.417 |
| NO OF SAMPLES | | | | | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |

| TEST-NAME: | | | | | SSO4UR | SIO3UR | ACDT | ALKT | PH | PHNOL | FEUT | HARDT | CAUR | MGUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SULPHATE UNF.REAC MG/L AS SO4 | SILICATE UNF.REAC MG/L AS SI | ACIDITY TOTAL MG/L AS CACO3 | ALK TOTAL MG/L AS CACO3 | PH | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG |
| 80 06 03 0956 | | | 3 | 1 | 8.500 | | | 45.0 | 7.63 | 1.000< | 1.700 | 46.000 | 13.800 | 2.750 |
| 80 06 10 1020 | | | 3 | 1 | 9.000 | | | 45.0 | 7.61 | 2.000 | 2.400 | 48.000 | 14.200 | 2.950 |
| 80 06 16 1305 | | | 3 | 1 | 9.000 | | | 44.0 | 7.66 | 2.000 | 2.300 | 49.000 | 14.800 | 2.950 |
| 80 06 23 1320 | | | 3 | 1 | 8.500 | | | 56.0 | 7.72 | 2.000 | 2.200 | 54.000 | 15.600 | 3.550 |
| 80 07 01 1300 | | | 3 | 1 | 9.500 | | | 42.0 | 7.49 | 1.000 | 2.600 | 46.000 | 13.800 | 2.800 |
| 80 07 05 1330 | | | 3 | 1 | 10.000 | | | 46.0 | 7.23 | 4.000 | 2.710 | 48.000 | 13.000 | 3.850 |
| 80 07 07 1330 | | | 3 | 1 | 9.500 | | | 58.0 | 7.61 | 1.000< | 2.400 | 65.000 | 19.000 | 4.250 |
| 80 07 14 1350 | | | 3 | 1 | 11.000 | | | 54.0 | 7.92 | 1.000 | 2.000 | 63.000 | 18.200 | 4.200 |
| 80 07 21 1400 | | | .3 | 1 | 9.000 | | | 44.0 | 7.35 | 3.000 | 2.700 | 53.000 | 15.000 | 3.700 |
| 80 07 28 1420 | | | 3 | 1 | 9.500 | | | 49.0 | 7.19 | 1.000 | 2.200 | 53.000 | 16.600 | 2.750 |
| 80 08 11 1255 | | | 3 | 1 | 10.000 | | | 43.0 | 7.40 | 1.000< | 3.050 | 50.000 | 14.000 | 3.600 |
| 80 10 14 1310 | | | 3 | 1 | 11.500 | 2.600 | 2.090 | 49.0 | 7.63 | 1.000< | 4.400 | 59.000 | 16.600 | 4.300 |
| 80 12 19 1600 | | | 3 | 1 | 11.500 | 2.650 | | 49.0 | 7.84 | 1.000< | 5.000 | 51.000 | 14.200 | 3.700 |
| MAXIMUM | | | | | 11.500 | 2.650 | 2.090 | 58.0 | 7.92 | 4.000 | 5.000 | 65.000 | 19.000 | 4.300 |
| ARITH MEAN | | | | | 9.731 | 2.625 | 2.090 | 48.0 | 7.56 | 1.615L | 2.743 | 52.692 | 15.292 | 3.488 |
| GEOM MEAN | | | | | 9.682 | 2.625 | | 47.8 | 7.56 | 1.421L | 2.623 | 52.377 | 15.197 | 3.442 |
| MINIMUM | | | | | 8.500 | 2.600 | 2.090 | 42.0 | 7.19 | 1.000< | 1.700 | 46.000 | 13.000 | 2.750 |
| STD DEV | | | | | 1.033 | 0.035 | | 5.1 | 0.22 | 0.961L | 0.941 | 6.170 | 1.821 | 0.586 |
| NO OF SAMPLES | | | | | 13 | 2 | 1 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |

| TEST-NAME: | | | | | COLAP | KKUR | NAUR | COD | CCUT | MNUT |
|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA | CHEM. OX DEMAND MG/L AS O | CARBON UNF-TOT. MG/L AS C | MANGANSE UNF.TOT. MG/L AS MN |
| 80 06 03 0956 | | | .3 | 1 | 70.000> | 1.35 | 1.500 | 32 | 12.0 | 0.045 |
| 80 06 10 1020 | | | .3 | 1 | 70.000> | 1.55 | 1.600 | 24 | 12.2 | 0.065 |
| 80 06 16 1305 | | | .3 | 1 | 70.000> | 1.45 | 1.300 | 28 | 11.6 | 0.055 |
| 80 06 23 1320 | | | .3 | 1 | 70.000> | 1.35 | 2.300 | 40 | 13.4 | 0.060 |
| 80 07 01 1300 | | | .3 | 1 | 70.000> | 1.70 | 2.000 | 36 | 12.1 | 0.055 |
| 80 07 05 1330 | | | .3 | 1 | 70.000> | 2.00 | 1.500 | 36 | 12.5 | 0.080 |
| 80 07 07 1330 | | | .3 | 1 | 70.000> | 1.70 | 2.600 | 14 | 12.8 | 0.070 |
| 80 07 14 1350 | | | .3 | 1 | 70.000> | 1.45 | 1.900 | 28 | 14.0 | 0.054 |
| 80 07 21 1400 | | | .3 | 1 | 70.000> | 1.90 | 1.700 | 22 | 12.1 | 0.055 |
| 80 07 28 1420 | | | .3 | 1 | 70.000> | 1.70 | 1.900 | 42 | 12.5 | 0.050 |
| 80 08 11 1255 | | | .3 | 1 | 70.000> | 1.60 | 2.200 | 28 | 12.1 | 0.075 |
| 80 10 14 1310 | | | .3 | 1 | 70.000> | 2.00 | 2.200 | 36 | | 0.095 |
| 80 12 19 1600 | | | .3 | 1 | 70.000> | 2.25 | 2.200 | | | 0.115 |
| MAXIMUM | | | | | 70.000> | 2.25 | 2.600 | 42 | 14.0 | 0.115 |
| ARITH MEAN | | | | | 70.000G | 1.69 | 1.915 | 30 | 12.5 | 0.067 |
| GEOM MEAN | | | | | 70.000G | 1.67 | 1.880 | 29 | 12.5 | 0.065 |
| MINIMUM | | | | | 70.000 | 1.35 | 1.300 | 14 | 11.6 | 0.045 |
| STD DEV | | | | | 0.000G | 0.28 | 0.380 | 8 | 0.7 | 0.020 |
| NO OF SAMPLES | | | | | 13 | 13 | 13 | 12 | 11 | 13 |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./SITE: **MATTAGAMI RIVER**
SAMPLE POINT: **12MI.DOWNSTREAM FROM SMOOTH ROCK FALLS**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE ONTARIO**
MINOR BASIN: **JAMES BAY SHORE**
TERM STREAM: **MOOSE RIVER**

STATION ID: **19-0064-033-02**
STORET CODE: **04**
**001**
**0230**

LAT
LONG
U.T.M: **17 0452600.0 5477350.0 4**
REGION: **05**
DISTANCE: **297.300**

| | | | | TEST-NAME: | SAMPLE | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 06 04 1110 | | | .3 | 1 | 13809 | 13.0 | 11.4 | 1.0 | 0.023 | 0.006 | 0.026 | 0.480 | 0.009 | 0.106 |
| 80 06 11 1056 | | | .3 | 1 | 13810 | 11.1 | 11.2 | 1.0 | 0.026 | 0.004 | 0.018 | 0.460 | 0.006 | 0.064 |
| 80 06 18 1141 | | | .3 | 1 | 13811 | 12.9 | 9.4 | 0.8 | 0.026 | 0.002 | 0.020 | 0.480 | 0.009 | 0.066 |
| 80 06 25 1106 | | | .3 | 1 | 13812 | 17.9 | 9.4 | 0.6 | 0.025 | 0.005 | 0.046 | 0.450 | 0.006 | 0.029 |
| 80 07 02 1525 | | | .3 | 1 | 13813 | 18.2 | 8.2 | 1.6 | 0.030 | 0.004 | 0.046 | 0.520 | 0.005 | 0.044 |
| 80 07 09 1025 | | | .3 | 1 | 13814 | 17.7 | 9.4 | 0.6 | 0.032 | 0.006 | 0.032 | 0.500 | 0.007 | 0.063 |
| 80 07 16 1100 | | | .3 | 1 | 13815 | 20.0 | 7.9 | 0.8 | 0.025 | 0.003 | 0.022 | 0.500 | 0.008 | 0.062 |
| 80 07 23 1125 | | | .3 | 1 | 13816 | 20.6 | 6.7 | 0.4 | 0.018 | 0.003 | 0.062 | 0.580 | 0.007 | 0.068 |
| 80 07 30 1120 | | | .3 | 1 | 13817 | 21.9 | 6.7 | 0.6 | 0.120 | 0.063 | 0.074 | 0.730 | 0.007 | 0.003 |
| 80 08 07 1130 | | | .3 | 1 | 13818 | 21.8 | 5.2 | 1.0 | 0.024 | 0.003 | 0.012 | 0.470 | 0.004 | 0.006 |
| 80 08 13 1120 | | | .3 | 1 | 13819 | 19.7 | 5.8 | 1.6 | 0.025 | 0.004 | 0.029 | 0.450 | 0.005 | 0.005< |
| 80 08 20 1130 | | | .3 | 1 | 13820 | 19.1 | 6.3 | 1.0 | 0.015 | 0.003 | 0.026 | 0.680 | 0.003 | 0.002 |
| 80 08 27 1115 | | | .3 | 1 | 13821 | 20.3 | 6.0 | 0.8 | 0.022 | 0.011 | 0.046 | 0.480 | 0.005 | 0.005 |
| MAXIMUM | | | | | | 21.9 | 11.4 | 1.6 | 0.120 | 0.063 | 0.074 | 0.730 | 0.009 | 0.106 |
| ARITH MEAN | | | | | | 18.0 | 8.0 | 0.9 | 0.032 | 0.009 | 0.035 | 0.522 | 0.006 | 0.040L |
| GEOM MEAN | | | | | | 17.6 | 7.7 | 0.8 | 0.027 | 0.005 | 0.031 | 0.515 | 0.006 | 0.021L |
| MINIMUM | | | | | | 11.1 | 5.2 | 0.4 | 0.015 | 0.002 | 0.012 | 0.460 | 0.003 | 0.002< |
| STD DEV | | | | | | 3.5 | 2.1 | 0.4 | 0.027 | 0.016 | 0.018 | 0.089 | 0.002 | 0.034L |
| NO OF SAMPLES | | | | | | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |

| | | | | TEST-NAME: | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 |
| 80 06 04 1110 | | | .3 | 1 | 0.141 | 0.454 | 0.595 | 78.00 | 13.00 | 65.000 | 100.0 | 5.80 | 2.050 | 10.000 |
| 80 06 11 1056 | | | .3 | 1 | 0.088 | 0.442 | 0.530 | 74.00 | 9.00 | 65.000 | 100.0 | 4.80 | 2.100 | 11.000 |
| 80 06 18 1141 | | | .3 | 1 | 0.095 | 0.460 | 0.555 | 68.00 | 6.00 | 62.000 | 95.0 | 3.60 | 4.500 | 11.500 |
| 80 06 25 1106 | | | .3 | 1 | 0.081 | 0.404 | 0.485 | 70.00 | 5.00 | 65.000 | 100.0 | 3.80 | 1.050 | 10.000 |
| 80 07 02 1525 | | | .3 | 1 | 0.095 | 0.474 | 0.569 | 74.00 | 6.00 | 68.000 | 105.0 | 4.20 | 1.150 | 10.000 |
| 80 07 09 1025 | | | .3 | 1 | 0.102 | 0.468 | 0.570 | 82.00 | 10.00 | 72.000 | 110.0 | 8.30 | 1.000 | 9.500 |
| 80 07 16 1100 | | | .3 | 1 | 0.092 | 0.478 | 0.570 | 75.00 | 3.00 | 72.000 | 110.0 | 3.70 | 1.150 | 14.000 |
| 80 07 23 1125 | | | .3 | 1 | 0.137 | 0.518 | 0.655 | 77.00 | 5.00 | 72.000 | 110.0 | 4.10 | 2.700 | 13.000 |
| 80 07 30 1120 | | | .3 | 1 | 0.084 | 0.656 | 0.740 | 82.00 | 7.00 | 75.000 | 115.0 | 3.30 | 1.150 | 13.000 |
| 80 08 07 1130 | | | .3 | 1 | 0.022 | 0.458 | 0.480 | 92.00 | 1.00 | 91.000 | 140.0 | 1.90 | 6.950 | 13.500 |
| 80 08 13 1120 | | | .3 | 1 | 0.039 | 0.421 | 0.460 | 92.00 | 4.00 | 88.000 | 135.0 | 2.30 | 1.450 | 10.500 |
| 80 08 20 1130 | | | .3 | 1 | 0.031 | 0.654 | 0.685 | 92.00 | 4.00 | 88.000 | 135.0 | 1.10 | 1.500 | 11.000 |
| 80 08 27 1115 | | | .3 | 1 | 0.056 | 0.434 | 0.490 | 103.00 | 5.00 | 98.000 | 150.0 | 1.70 | 6.200 | 16.000 |
| MAXIMUM | | | | | 0.141 | 0.656 | 0.740 | 103.00 | 13.00 | 98.000 | 150.0 | 8.30 | 6.950 | 16.000 |
| ARITH MEAN | | | | | 0.082 | 0.486 | 0.568 | 81.46 | 6.00 | 75.462 | 115.8 | 3.74 | 2.535 | 11.769 |
| GEOM MEAN | | | | | 0.072 | 0.481 | 0.562 | 80.87 | 5.14 | 74.657 | 114.5 | 3.30 | 1.993 | 11.627 |
| MINIMUM | | | | | 0.022 | 0.404 | 0.460 | 68.00 | 1.00 | 62.000 | 95.0 | 1.10 | 1.000 | 9.500 |
| STD DEV | | | | | 0.037 | 0.080 | 0.084 | 10.39 | 3.16 | 11.780 | 18.0 | 1.90 | 2.037 | 1.984 |
| NO OF SAMPLES | | | | | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |

| | | | | TEST-NAME: | ALKT | PH | PHNOL | FEUT | HARDT | CAUR | MGUR | COLAP | KKUR | NAUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ALK TOTAL MG/L AS CACO3 | PH | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA |
| 80 06 04 1110 | | | .3 | 1 | 44.0 | 7.38 | 3.000 | 1.000 | 46.000 | 14.000 | 2.800 | 70.000> | 0.50 | 2.000 |
| 80 06 11 1056 | | | .3 | 1 | 39.0 | 7.34 | 3.000 | 0.620 | 44.000 | 13.000 | 2.700 | 70.000> | 0.65 | 2.000 |
| 80 06 18 1141 | | | .3 | 1 | 37.0 | 7.31 | 4.000 | 0.650 | 47.000 | 14.200 | 2.900 | 70.000> | 0.35 | 3.500 |
| 80 06 25 1106 | | | .3 | 1 | 42.0 | 7.40 | 1.000< | 0.500 | 48.000 | 14.600 | 2.800 | 70.000> | 0.35 | 1.700 |
| 80 07 02 1525 | | | .3 | 1 | 45.0 | 7.68 | 1.000 | 0.520 | 51.000 | 14.800 | 3.500 | 79.000 | 0.65 | 1.900 |
| 80 07 09 1025 | | | .3 | 1 | 48.0 | 7.62 | 1.000< | 0.760 | 54.000 | 15.800 | 3.500 | 70.000> | 0.55 | 1.600 |
| 80 07 16 1100 | | | .3 | 1 | 46.0 | 7.62 | 1.000< | 0.550 | 54.000 | 16.200 | 3.400 | 70.000> | 0.45 | 1.800 |
| 80 07 23 1125 | | | .3 | 1 | 45.0 | 7.27 | 1.000< | 0.500 | 56.000 | 15.800 | 3.950 | 70.000> | 0.55 | 1.600 |
| 80 07 30 1120 | | | .3 | 1 | 46.0 | 7.36 | 1.000< | 0.540 | 54.000 | 15.800 | 3.650 | 70.000> | 0.55 | 1.400 |
| 80 08 07 1130 | | | .3 | 1 | 46.0 | 7.08 | 2.000 | 0.220 | 58.000 | 17.200 | 3.750 | 70.800> | 0.60 | 5.100 |
| 80 08 13 1120 | | | .3 | 1 | 55.0 | 7.37 | 1.000< | 0.340 | 61.000 | 17.800 | 3.950 | 70.000> | 0.60 | 3.900 |
| 80 08 20 1130 | | | .3 | 1 | 56.0 | 7.44 | 1.000< | 0.340 | 61.000 | 17.800 | 4.100 | 73.000 | 0.60 | 2.700 |
| 80 08 27 1115 | | | .3 | 1 | 53.0 | 7.10 | 11.000 | 0.360 | 67.000 | 18.400 | 5.000 | 82.000 | 0.60 | 6.000 |
| MAXIMUM | | | | | 56.0 | 7.68 | 11.000 | 1.000 | 67.000 | 18.400 | 5.000 | 82.000> | 0.65 | 6.000 |
| ARITH MEAN | | | | | 46.3 | 7.38 | 2.385L | 0.531 | 53.923 | 15.800 | 3.538 | 71.846G | 0.54 | 2.708 |
| GEOM MEAN | | | | | 46.0 | 7.38 | 1.671L | 0.495 | 53.538 | 15.719 | 3.485 | 71.761G | 0.53 | 2.413 |
| MINIMUM | | | | | 37.0 | 7.08 | 1.000< | 0.220 | 44.000 | 13.000 | 2.700 | 70.000 | 0.35 | 1.400 |
| STD DEV | | | | | 5.7 | 0.18 | 2.785L | 0.203 | 6.739 | 1.657 | 0.650 | 3.978G | 0.10 | 1.480 |
| NO OF SAMPLES | | | | | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |

| | | | | TEST-NAME: | COD | CCUT | MNUT |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHEM. OX DEMAND MG/L AS O | CARBON UNF-TOT. MG/L AS C | MANGANSE UNF.TOT. MG/L AS MN |
| 80 06 04 1110 | | | .3 | 1 | 48 | 17.5 | 0.060 |
| 80 06 11 1056 | | | .3 | 1 | 40 | 14.0 | 0.055 |
| 80 06 18 1141 | | | .3 | 1 | 24 | 15.8 | 0.055 |
| 80 06 25 1106 | | | .3 | 1 | 26 | 13.9 | 0.045 |
| 80 07 02 1525 | | | .3 | 1 | 36 | 12.8 | 0.052 |
| 80 07 09 1025 | | | .3 | 1 | 26 | 16.2 | 0.054 |
| 80 07 16 1100 | | | .3 | 1 | 28 | 15.6 | 0.045 |
| 80 07 23 1125 | | | .3 | 1 | 40 | 17.5 | 0.055 |
| 80 07 30 1120 | | | .3 | 1 | 50 | 16.8 | 0.051 |
| 80 08 07 1130 | | | .3 | 1 | 38 | 15.8 | 0.034 |
| 80 08 13 1120 | | | .3 | 1 | 36 | 12.9 | 0.052 |
| 80 08 20 1130 | | | .3 | 1 | 30 | 11.7 | 0.056 |
| 80 08 27 1115 | | | .3 | 1 | 28 | 14.7 | 0.066 |
| MAXIMUM | | | | | 50 | 17.5 | 0.066 |
| ARITH MEAN | | | | | 35 | 15.0 | 0.052 |
| GEOM MEAN | | | | | 34 | 14.9 | 0.052 |
| MINIMUM | | | | | 24 | 11.7 | 0.034 |
| STD DEV | | | | | 8 | 1.9 | 0.008 |
| NO OF SAMPLES | | | | | 13 | 13 | 13 |

SAMPLE INFORMATION SYSTEM
1980 WATER QUALITY DATA
DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **KAPUSKASING RIVER**
SAMPLE POINT: **AT SPRUCE FALLS MILL INTAKE**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRANAGE ONTARIO**
MINOR BASIN: **JAMES BAY SHORE**
TERM STREAM: **MOOSE RIVER**

STATION ID: **19-0064-034-02**
STORET CODE: **04**
**001**
**0230**

LAT:
LONG:
U T M: **17 0396450.0 5473800.0 4**
REGION: **05**
DISTANCE: **300.617**

| TEST-NAME: | | | | | SAMPLE | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 06 04 1652 | | | .3 | 1 | 13846 | 15.5 | 9.5 | 0.8 | 0.015 | 0.005 | 0.168 | 0.430 | 0.005 | 0.025 |
| 80 06 11 1556 | | | .3 | 1 | 13847 | 13.0 | 10.3 | 0.8 | 0.014 | 0.004 | 0.056 | 0.660 | 0.004 | 0.016 |
| 80 06 18 1742 | | | .3 | 1 | 13848 | 15.0 | 9.9 | 0.8 | 0.030 | 0.004 | 0.042 | 0.830 | 0.004 | 0.016 |
| 80 06 25 1650 | | | .3 | 1 | 13849 | 19.6 | 7.8 | 1.0 | 0.028 | 0.001 | 0.048 | 0.880 | 0.004 | 0.011 |
| 80 07 03 1135 | | | .3 | 1 | 13850 | 17.6 | 7.1 | 1.0 | 0.014 | 0.001 | 0.050 | 0.580 | 0.004 | 0.006 |
| 80 07 09 1600 | | | .3 | 1 | 13851 | 19.5 | 8.2 | 1.8 | 0.025 | 0.002 | 0.036 | 0.650 | 0.007 | 0.028 |
| 80 07 16 1725 | | | .3 | 1 | 13852 | 20.1 | 6.8 | 1.0 | 0.032 | 0.001 | 0.014 | 0.700 | 0.007 | 0.008 |
| 80 07 23 1840 | | | .3 | 1 | 13853 | 21.6 | 4.6 | 0.8 | 0.043 | 0.019 | 0.078 | 0.680 | 0.004 | 0.006 |
| 80 07 30 1905 | | | .3 | 1 | 13854 | 22.0 | 3.2 | 1.2 | 0.045 | 0.002 | 0.099 | 0.980 | 0.005 | 0.005 |
| 80 08 07 1830 | | | .3 | 1 | 13855 | 22.2 | 2.9 | 1.2 | 0.033 | 0.002 | 0.220 | 1.330 | 0.004 | 0.006 |
| 80 08 13 1800 | | | .3 | 1 | 13856 | 19.1 | 2.6 | 2.4 | 0.028 | 0.008 | 0.144 | 0.650 | 0.005 | 0.005 |
| 80 08 20 1800 | | | .3 | 1 | 13857 | 18.0 | 2.2 | 2.4 | 0.088 | 0.053 | 0.184 | 0.850 | 0.003 | 0.002 |
| 80 08 27 1750 | | | .3 | 1 | 13858 | 30.0 | 3.8 | 0.8 | 0.064 | 0.042 | 0.152 | 0.730 | 0.002 | 0.003 |
| **MAXIMUM** | | | | | | **30.0** | **10.3** | **2.4** | **0.088** | **0.053** | **0.220** | **1.330** | **0.007** | **0.028** |
| **ARITH MEAN** | | | | | | **19.5** | **6.1** | **1.2** | **0.035** | **0.011** | **0.099** | **0.765** | **0.004** | **0.011** |
| **GEOM MEAN** | | | | | | **19.1** | **5.3** | **1.1** | **0.031** | **0.004** | **0.077** | **0.739** | **0.004** | **0.008** |
| **MINIMUM** | | | | | | **13.0** | **2.2** | **0.8** | **0.014** | **0.001** | **0.014** | **0.430** | **0.002** | **0.002** |
| **STD DEV** | | | | | | **4.2** | **3.0** | **0.6** | **0.021** | **0.017** | **0.067** | **0.221** | **0.001** | **0.008** |
| **NO OF SAMPLES** | | | | | | **13** | **13** | **13** | **13** | **13** | **13** | **13** | **13** | **13** |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 |
| 80 06 04 1652 | | | .3 | 1 | 0.198 | 0.262 | 0.460 | 89 | 8 | 81 | 125 | 3.3 | 0.800 | 7.500 |
| 80 06 11 1556 | | | .3 | 1 | 0.076 | 0.604 | 0.680 | 89.00 | 8.00 | 81.000 | 125.0 | 3.30 | 0.550 | 8.500 |
| 80 06 18 1742 | | | .3 | 1 | 0.062 | 0.788 | 0.850 | 78.00 | 6.00 | 72.000 | 110.0 | 2.50 | 0.350 | 8.000 |
| 80 06 25 1650 | | | .3 | 1 | 0.063 | 0.832 | 0.895 | 85.00 | 10.00 | 75.000 | 115.0 | 2.50 | 0.500 | 8.000 |
| 80 07 03 1135 | | | .3 | 1 | 0.060 | 0.530 | 0.590 | 84.00 | 3.00 | 81.000 | 125.0 | 2.20 | 0.600 | 7.000 |
| 80 07 09 1600 | | | .3 | 1 | 0.071 | 0.614 | 0.685 | 92.00 | 11.00 | 81.000 | 125.0 | 6.00 | 0.550 | 8.500 |
| 80 07 16 1725 | | | .3 | 1 | 0.029 | 0.686 | 0.715 | 94.00 | 9.00 | 85.000 | 145.0 | 2.80 | 0.450 | 10.000 |
| 80 07 23 1840 | | | .3 | 1 | 0.089 | 0.602 | 0.690 | 99.00 | 8.00 | 91.000 | 140.0 | 3.20 | 0.450 | 7.500 |
| 80 07 30 1905 | | | .3 | 1 | 0.109 | 0.881 | 0.990 | 97.00 | 6.00 | 91.000 | 140.0 | 3.10 | 0.600 | 8.500 |
| 80 08 07 1830 | | | .3 | 1 | 0.230 | 1.110 | 1.340 | 103.00 | 2.00 | 101.000 | 155.0 | 1.70 | 1.100 | 8.000 |
| 80 08 13 1800 | | | .3 | 1 | 0.154 | 0.506 | 0.660 | 105.00 | 4.00 | 101.000 | 155.0 | 3.00 | 0.650 | 7.500 |
| 80 08 20 1800 | | | .3 | 1 | 0.189 | 0.666 | 0.855 | 113.00 | 6.00 | 107.000 | 165.0 | 2.30 | 1.100 | 7.500 |
| 80 08 27 1750 | | | .3 | 1 | 0.157 | 0.578 | 0.735 | 124.00 | 4.00 | 120.000 | 185.0 | 2.20 | 0.750 | 8.500 |
| **MAXIMUM** | | | | | **0.230** | **1.110** | **1.340** | **124.00** | **11.00** | **120.000** | **185.0** | **6.00** | **1.100** | **10.000** |
| **ARITH MEAN** | | | | | **0.114** | **0.686** | **0.780** | **96** | **6** | **89** | **139** | **2.9** | **0.650** | **8.077** |
| **GEOM MEAN** | | | | | **0.098** | **0.634** | **0.755** | **95** | **5** | **88** | **137** | **2.8** | **0.616** | **8.046** |
| **MINIMUM** | | | | | **0.029** | **0.262** | **0.460** | **78.00** | **2.00** | **72.000** | **110.0** | **1.70** | **0.350** | **7.000** |
| **STD DEV** | | | | | **0.064** | **0.207** | **0.218** | **12** | **2** | **13** | **21** | **1.0** | **0.234** | **0.760** |
| **NO OF SAMPLES** | | | | | **13** | **13** | **13** | **13** | **13** | **13** | **13** | **13** | **13** | **13** |

| TEST-NAME: | | | | | ALKT | PH | PHNOL | FEUT | HARDT | CAUR | MGUR | COLAP | KKUR | NAUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ALK TOTAL MG/L AS CACO3 | PH | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA |
| 80 06 04 1652 | | | .3 | 1 | 57.0 | 7.39 | 2.7 | 0.650 | 58.000 | 17.600 | 3.500 | 68 | 0.90 | 0.900 |
| 80 06 11 1556 | | | .3 | 1 | 53.0 | 7.39 | 2.700 | 0.740 | 55.000 | 16.400 | 3.400 | 68.000 | 0.90 | 1.000 |
| 80 06 18 1742 | | | .3 | 1 | 49.0 | 7.34 | 1.000 | 0.390 | 52.000 | 15.400 | 3.300 | 70.000> | 0.70 | 1.200 |
| 80 06 25 1650 | | | .3 | 1 | 54.0 | 7.27 | 1.000 | 0.500 | 57.000 | 17.200 | 3.350 | 70.000> | 0.85 | 1.200 |
| 80 07 03 1135 | | | .3 | 1 | 56.0 | 7.29 | 1.000< | 0.650 | 60.000 | 17.200 | 4.250 | 70.000> | 1.00 | 1.100 |
| 80 07 09 1600 | | | .3 | 1 | 58.0 | 7.50 | 1.000< | 0.860 | 63.000 | 18.000 | 4.450 | 70.000> | 0.90 | 1.400 |
| 80 07 16 1725 | | | .3 | 1 | 61.0 | 7.25 | 1.000 | 0.450 | 67.000 | 19.400 | 4.600 | 70.000> | 0.70 | 1.300 |
| 80 07 23 1840 | | | .3 | 1 | 61.0 | 7.20 | 1.000< | 0.450 | 69.000 | 19.400 | 5.000 | 70.000> | 0.80 | 1.000 |
| 80 07 30 1905 | | | .3 | 1 | 65.0 | 7.19 | 1.000< | 0.450 | 69.000 | 19.600 | 4.950 | 70.000> | 1.25 | 1.000 |
| 80 08 07 1830 | | | .3 | 1 | 72.0 | 7.02 | 1.000 | 0.360 | 76.000 | 22.000 | 5.000 | 70.000> | 1.90 | 1.600 |
| 80 08 13 1800 | | | .3 | 1 | 73.0 | 7.08 | 2.000 | 0.600 | 76.000 | 21.800 | 5.150 | 70.000> | 1.00 | 1.300 |
| 80 08 20 1800 | | | .3 | 1 | 77.0 | 7.38 | 2.000 | 0.420 | 78.000 | 22.200 | 5.500 | 79.000 | 1.40 | 1.600 |
| 80 08 27 1750 | | | .3 | 1 | 77.0 | 7.25 | 1.000 | 0.320 | 83.000 | 23.000 | 6.000 | 75.000 | 1.15 | 1.400 |
| **MAXIMUM** | | | | | **77.0** | **7.50** | **2.700** | **0.860** | **83.000** | **23.000** | **6.000** | **79.000>** | **1.90** | **1.600** |
| **ARITH MEAN** | | | | | **62.5** | **7.27** | **1.4 L** | **0.526** | **66.385** | **19.169** | **4.496** | **70 G** | **1.03** | **1.231** |
| **GEOM MEAN** | | | | | **61.9** | **7.27** | **1.2 L** | **0.505** | **65.716** | **19.024** | **4.413** | **70 G** | **0.99** | **1.211** |
| **MINIMUM** | | | | | **49.0** | **7.02** | **1.000<** | **0.320** | **52.000** | **15.400** | **3.300** | **68** | **0.70** | **0.900** |
| **STD DEV** | | | | | **9.4** | **0.13** | **0.6 L** | **0.161** | **9.820** | **2.459** | **0.886** | **2 G** | **0.33** | **0.228** |
| **NO OF SAMPLES** | | | | | **13** | **13** | **13** | **13** | **13** | **13** | **13** | **13** | **13** | **13** |

| TEST-NAME: | | | | | COD | CCUT | MNUT |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHEM. OX DEMAND MG/L AS O | CARBON UNF-TOT. MG/L AS C | MANGANSE UNF.TOT. MG/L AS MN |
| 80 06 04 1652 | | | .3 | 1 | 28 | | 0.045 |
| 80 06 11 1556 | | | .3 | 1 | 28 | 13.9 | 0.040 |
| 80 06 18 1742 | | | .3 | 1 | 32 | 16.5 | 0.025 |
| 80 06 25 1650 | | | .3 | 1 | 40 | 16.7 | 0.050 |
| 80 07 03 1135 | | | .3 | 1 | 26 | 13.9 | 0.080 |
| 80 07 09 1600 | | | .3 | 1 | 36 | 19.6 | 0.054 |
| 80 07 16 1725 | | | .3 | 1 | 48 | 19.6 | 0.060 |
| 80 07 23 1840 | | | .3 | 1 | 38 | 18.5 | 0.060 |
| 80 07 30 1905 | | | .3 | 1 | 60 | 17.2 | 0.084 |
| 80 08 07 1830 | | | .3 | 1 | 44 | 15.9 | 0.060 |
| 80 08 13 1800 | | | .3 | 1 | 54 | 14.9 | 0.104 |
| 80 08 20 1800 | | | .3 | 1 | 42 | 14.1 | 0.092 |
| 80 08 27 1750 | | | .3 | 1 | 34 | 13.0 | 0.082 |
| **MAXIMUM** | | | | | **60** | **19.6** | **0.104** |
| **ARITH MEAN** | | | | | **39** | **16.1** | **0.064** |
| **GEOM MEAN** | | | | | **38** | **16.0** | **0.060** |
| **MINIMUM** | | | | | **26** | **13.0** | **0.025** |
| **STD DEV** | | | | | **10** | **2.3** | **0.023** |
| **NO OF SAMPLES** | | | | | **13** | **12** | **13** |

SAMPLE INFORMATION SYSTEM

1980 WATER QUALITY DATA

DATE OF REPORT: 29 AUG 81

B.O.W./ SITE: **KAPUSKASING RIVER**
SAMPLE POINT: **2MI.DOWNSTREAM FROM SPRUCE FALLS MILL**
STATION TYPE: **RIVER**

MAJOR BASIN: **ARCTIC DRAINAGE ONTARIO**
MINOR BASIN: **JAMES BAY SHORE**
TERM STREAM: **MOOSE RIVER**

STATION ID: **19-0064-035-02**

STORET CODE: **04**
**001**
**0230**

LAT:
LONG:
U T M: **17 0400950.0 5480800.0 4**
REGION: **05**
DISTANCE: **267.144**

| TEST-NAME: | | | | | SAMPLE | FWTEMP | DO | BOD5 | PPUT | PPO4FR | NNHTFR | NNTKUR | NNO2FR | NNO3FR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | SAMPLE NUMBER | WATER TEMP DEG.C | DISOLVED OXYGEN MG/L AS O | BOD 5 DAY TOT.DEM. MG/L AS O | PHOSPHOR UNF.TOT. MG/L AS P | PO4 FIL.REAC MG/L AS P | NH3-N TOTAL FIL.REAC MG/L AS N | K'DAHL N TOTAL FIL.TOT. MG/L AS N | NO2-N FIL.REAC MG/L AS N | NO3-N FIL.REAC MG/L AS N |
| 80 06 04 1522 | | | 3 | 1 | 13901 | 15.0 | 9.1 | 1.2 | 0.018 | 0.002 | 0.002 | 0.440 | 0.004 | 0.006 |
| 80 06 11 1500 | | | 3 | 1 | 13902 | 12.2 | 9.8 | 1.6 | 0.020 | 0.003 | 0.004 | 0.490 | 0.004 | 0.001 |
| 80 06 18 1617 | | | 3 | 1 | 13903 | 13.8 | 9.3 | 1.0 | 0.020 | 0.002 | 0.004 | 0.510 | 0.004 | 0.006 |
| 80 06 25 1548 | | | 3 | 1 | 13904 | 20.5 | 5.9 | 2.2 | 0.030 | 0.001 | 0.002< | 0.560 | 0.005 | 0.005< |
| 80 07 03 1320 | | | 3 | 1 | 13905 | 18.8 | 4.2 | 3.2 | 0.050 | 0.007 | 0.014 | 0.700 | 0.004 | 0.011 |
| 80 07 09 1505 | | | 3 | 1 | 13906 | 20.1 | 7.2 | 2.4 | 0.035 | 0.008 | 0.004 | 0.520 | 0.003 | 0.002 |
| 80 07 16 1620 | | | 3 | 1 | 13907 | 22.2 | 2.8 | 5.0 | 0.050 | 0.001 | 0.002< | 0.680 | 0.006 | 0.014 |
| 80 07 23 1655 | | | 3 | 1 | 13908 | 22.2 | 0.3 | 20.0 | 0.048 | 0.001< | 0.012 | 0.780 | 0.006 | 0.009 |
| 80 07 30 1730 | | | 3 | 1 | 13909 | 22.6 | 0.2 | 14.0 | 0.090 | 0.003 | 0.026 | 0.900 | 0.007 | 0.013 |
| 80 08 07 1645 | | | 3 | 1 | 13910 | 23.8 | 0.2 | 9.4 | 0.058 | 0.003 | 0.002< | 1.000 | 0.010 | 0.005< |
| 80 08 13 1610 | | | 3 | 1 | 13911 | 19.5 | 0.3 | 14.0 | 0.055 | 0.010 | 0.001< | 1.000 | 0.016 | 0.005< |
| 80 08 20 1600 | | | 3 | 1 | 13912 | 22.0 | 0.2 | 15.0 | 0.028 | 0.001 | 0.016 | 0.750 | 0.006 | 0.004 |
| 80 08 27 1600 | | | 3 | 1 | 13913 | 21.0 | 0.2 | 2.8 | 0.038 | 0.001 | 0.014 | 0.700 | 0.004 | 0.006 |
| MAXIMUM | | | | | | 23.8 | 9.8 | 20.0 | 0.090 | 0.010 | 0.026 | 1.000 | 0.016 | 0.014 |
| ARITH MEAN | | | | | | 19.5 | 3.8 | 7.1 | 0.042 | 0.003L | 0.006L | 0.695 | 0.006 | 0.007L |
| GEOM MEAN | | | | | | 19.2 | 1.4 | 4.4 | 0.037 | 0.002L | 0.005L | 0.671 | 0.006 | 0.005L |
| MINIMUM | | | | | | 12.2 | 0.2 | 1.0 | 0.018 | 0.001< | 0.001< | 0.440 | 0.003 | 0.001< |
| STD DEV | | | | | | 3.6 | 4.0 | 6.6 | 0.020 | 0.003L | 0.006L | 0.189 | 0.003 | 0.004L |
| NO OF SAMPLES | | | | | | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |

| TEST-NAME: | | | | | NNTIFR | NNKUR | NNKI | RST | RSP | RSF | COND25 | TURB | CLIDUR | SSO4UR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ORG N TOTAL FIL.REAC MG/L | KJELDAHL ORGANIC UNF.REAC MG/L | TOTAL N MG/L AS N | RESIDUE TOTAL MG/L | RESIDUE PARTIC. MG/L | RESIDUE FILTERED MG/L | CONDUCT. 25C UMHO/CM AT 25 C | TURB'ITY FTU | CHLORIDE UNF.REAC MG/L AS CL | SULPHATE UNF.REAC MG/L AS SO4 |
| 80 06 04 1522 | | | 3 | 1 | 0.012 | 0.438 | 0.450 | 89.00 | 8.00 | 81.000 | 125.0 | 2.40 | 0.700 | 8.500 |
| 80 06 11 1500 | | | 3 | 1 | 0.009 | 0.486 | 0.495 | 85.00 | 7.00 | 78.000 | 120.0 | 2.80 | 0.800 | 9.500 |
| 80 06 18 1617 | | | 3 | 1 | 0.014 | 0.506 | 0.520 | 77.00 | 5.00 | 72.000 | 110.0 | 2.80 | 0.700 | 9.000 |
| 80 06 25 1548 | | | 3 | 1 | 0.012 | 0.558 | 0.570 | 84.00 | 3.00 | 81.000 | 125.0 | 1.90 | 0.850 | 12.000 |
| 80 07 03 1320 | | | 3 | 1 | 0.029 | 0.686 | 0.715 | 94.00 | 6.00 | 88.000 | 135.0 | 2.70 | 1.000 | 12.500 |
| 80 07 09 1505 | | | 3 | 1 | 0.009 | 0.516 | 0.525 | 107.00 | 6.00 | 101.000 | 155.0 | 5.00 | 0.900 | 10.500 |
| 80 07 16 1620 | | | 3 | 1 | 0.022 | 0.678 | 0.700 | 97.00 | 3.00 | 94.000 | 120.0 | 2.20 | 1.250 | 14.000 |
| 80 07 23 1655 | | | 3 | 1 | 0.027 | 0.768 | 0.795 | 103.00 | 5.00 | 98.000 | 150.0 | 3.00 | 1.800 | 13.000 |
| 80 07 30 1730 | | | 3 | 1 | 0.046 | 0.874 | 0.920 | 117.00 | 6.00 | 111.000 | 170.0 | 2.90 | 1.650 | 16.500 |
| 80 08 07 1645 | | | 3 | 1 | 0.017 | 0.998 | 1.015 | 126.00 | 9.00 | 117.000 | 180.0 | 6.70 | 2.050 | 11.500 |
| 80 08 13 1610 | | | 3 | 1 | 0.022 | 0.999 | 1.021 | 134.00 | 10.00 | 124.000 | 190.0 | 30.00 | 3.250 | 9.500 |
| 80 08 20 1600 | | | 3 | 1 | 0.026 | 0.734 | 0.760 | 126.00 | 6.00 | 120.000 | 185.0 | 3.50 | 1.800 | 16.000 |
| 80 08 27 1600 | | | 3 | 1 | 0.024 | 0.686 | 0.710 | 126.00 | 6.00 | 120.000 | 185.0 | 2.20 | 1.550 | 18.000 |
| MAXIMUM | | | | | 0.046 | 0.999 | 1.021 | 134.00 | 10.00 | 124.000 | 190.0 | 30.00 | 3.250 | 18.000 |
| ARITH MEAN | | | | | 0.021 | 0.687 | 0.707 | 105.00 | 6.15 | 98.846 | 150.0 | 5.24 | 1.408 | 12.346 |
| GEOM MEAN | | | | | 0.019 | 0.664 | 0.683 | 103.39 | 5.82 | 97.289 | 147.4 | 3.56 | 1.282 | 12.010 |
| MINIMUM | | | | | 0.009 | 0.438 | 0.450 | 77.00 | 3.00 | 72.000 | 110.0 | 1.90 | 0.700 | 8.500 |
| STD DEV | | | | | 0.010 | 0.187 | 0.193 | 19.11 | 2.03 | 18.128 | 29.2 | 7.66 | 0.726 | 3.058 |
| NO OF SAMPLES | | | | | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |

| TEST-NAME: | | | | | ALKT | PH | PHNOL | FEUT | HARDT | CAUR | MGUR | COLAP | KKUR | NAUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | ALK TOTAL MG/L AS CACO3 | PH | PHENOLS UNF-REAC UG/L PHENOL | IRON UNF.TOT. MG/L AS FE | HARDNESS TOTAL MG/L AS CACO3 | CALCIUM UNF.REAC MG/L AS CA | MAGNESIM FIL.REAC MG/L AS MG | COLOUR APPARENT HZU | POTASSIM UNF.REAC MG/L AS K | SODIUM UNF.REAC MG/L AS NA |
| 80 06 04 1522 | | | 3 | 1 | 59.0 | 7.26 | 3.000 | 0.700 | 62.000 | 18.400 | 3.800 | 73.000 | 0.85 | 1.200 |
| 80 06 11 1500 | | | 3 | 1 | 53.0 | 7.17 | 4.000 | 0.440 | 57.000 | 16.600 | 3.800 | 70.000> | 0.70 | 1.100 |
| 80 06 18 1617 | | | 3 | 1 | 48.0 | 7.24 | 1.000 | 0.380 | 55.000 | 16.200 | 3.500 | 70.000> | 0.55 | 1.700 |
| 80 06 25 1548 | | | 3 | 1 | 54.0 | 7.02 | 4.000 | 0.550 | 63.000 | 18.000 | 4.250 | 70.000> | 0.65 | 1.400 |
| 80 07 03 1320 | | | 3 | 1 | 56.0 | 6.95 | 2.000 | 0.400 | 67.000 | 18.600 | 5.000 | 70.000> | 0.85 | 1.400 |
| 80 07 09 1505 | | | 3 | 1 | 70.0 | 7.32 | 1.000 | 0.480 | 71.000 | 20.000 | 5.000 | 70.000> | 0.85 | 1.400 |
| 80 07 16 1620 | | | 3 | 1 | 62.0 | 6.99 | 3.000 | 0.070 | 76.000 | 21.000 | 5.700 | 70.000> | 0.65 | 1.700 |
| 80 07 23 1655 | | | 3 | 1 | 66.0 | 6.79 | 3.000 | 0.450 | 79.000 | 21.000 | 6.500 | 70.000> | 0.70 | 1.600 |
| 80 07 30 1730 | | | 3 | 1 | 68.0 | 6.60 | 4.000 | 0.420 | 96.000 | 22.000 | 10.000 | 70.000> | 0.90 | 2.100 |
| 80 08 07 1645 | | | 3 | 1 | 73.0 | 6.52 | 10.000 | 0.480 | 87.000 | 24.000 | 6.500 | 70.000> | 1.00 | 2.100 |
| 80 08 13 1610 | | | 3 | 1 | 75.0 | 6.51 | 14.000 | 1.850 | 94.000 | 26.000 | 7.000 | 70.000> | 1.00 | 2.900 |
| 80 08 20 1600 | | | 3 | 1 | 74.0 | 6.78 | 9.000 | 0.500 | 87.000 | 24.800 | 6.000 | 70.000> | 1.00 | 2.200 |
| 80 08 27 1600 | | | 3 | 1 | 78.0 | 6.75 | 9.000 | 0.380 | 93.000 | 25.000 | 7.500 | 66.000 | 0.95 | 2.600 |
| MAXIMUM | | | | | 78.0 | 7.32 | 14.000 | 1.850 | 96.000 | 26.000 | 10.000 | 73.000> | 1.00 | 2.900 |
| ARITH MEAN | | | | | 64.3 | 6.92 | 5.154 | 0.546 | 75.923 | 20.892 | 5.735 | 69.923G | 0.82 | 1.800 |
| GEOM MEAN | | | | | 63.6 | 6.91 | 3.838 | 0.446 | 74.614 | 20.653 | 5.486 | 69.909G | 0.81 | 1.728 |
| MINIMUM | | | | | 48.0 | 6.51 | 1.000 | 0.070 | 55.000 | 16.200 | 3.500 | 66.000 | 0.55 | 1.100 |
| STD DEV | | | | | 9.7 | 0.28 | 4.018 | 0.416 | 14.640 | 3.294 | 1.824 | 1.441G | 0.16 | 0.546 |
| NO OF SAMPLES | | | | | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |

| TEST-NAME: | | | | | COD | CCUT | MNUT |
|---|---|---|---|---|---|---|---|
| SAMP DTE HOUR YR MO DY LMT | STN DIST FEET | STN BRG | SAMP DEPTH MTRS | PJ | CHEM. OX DEMAND MG/L AS O | CARBON UNF-TOT. MG/L AS C | MANGANSE UNF.TOT. MG/L AS MN |
| 80 06 04 1522 | | | 3 | 1 | 50 | 17.8 | 0.050 |
| 80 06 11 1500 | | | 3 | 1 | 62 | 20.8 | 0.045 |
| 80 06 18 1617 | | | 3 | 1 | 72 | 20.8 | 0.035 |
| 80 06 25 1548 | | | 3 | 1 | 54 | 25.8 | 0.065 |
| 80 07 03 1320 | | | 3 | 1 | 64 | 27.2 | 0.060 |
| 80 07 09 1505 | | | 3 | 1 | 44 | 21.6 | 0.046 |
| 80 07 16 1620 | | | 3 | 1 | 84 | 32.5 | 0.010 |
| 80 07 23 1655 | | | 3 | 1 | 84 | 32.0 | 0.080 |
| 80 07 30 1730 | | | 3 | 1 | 125 | 37.4 | 0.081 |
| 80 08 07 1645 | | | 3 | 1 | 190 | 77.0 | 0.105 |
| 80 08 13 1610 | | | 3 | 1 | 200 | 77.0 | 0.135 |
| 80 08 20 1600 | | | 3 | 1 | 106 | 37.0 | 0.114 |
| 80 08 27 1600 | | | 3 | 1 | 95 | 29.0 | 0.104 |
| MAXIMUM | | | | | 200 | 77.0 | 0.135 |
| ARITH MEAN | | | | | 95 | 35.1 | 0.072 |
| GEOM MEAN | | | | | 85 | 31.4 | 0.061 |
| MINIMUM | | | | | 44 | 17.8 | 0.010 |
| STD DEV | | | | | 50 | 19.6 | 0.036 |
| NO OF SAMPLES | | | | | 13 | 13 | 13 |

SAMPLE INFORMATION SYSTEM

# INDEX TO STATION SUMMARY REPORT

| River Basin | Stream | Sample Point Description | Distance | Location Code | Page No. |
|---|---|---|---|---|---|
| Agawa River | Agawa River | At Highway 17 | 0.966 | 01-0012-001-02 | 8 |
| Ausable River | Ausable River | At Townline Dnstr.from Centralia Base | 120.698 | 08-0022-011-02 | 290 |
| | Ausable River | At Highway 21 Grand Bend | 0.805 | 08-0022-013-02 | 292 |
| | Ausable River | At First Conc.West of Highway 4 Exeter | 134.377 | 08-0022-016-02 | 293 |
| | Ausable River | At Morrison Dam East of Exeter | 136.630 | 08-0022-017-02 | 294 |
| | Decker Creek | Near Brick Yard, Thedford | 10.300 | 08-0022-002-02 | 287 |
| | Hensall Creek | At Concession Road 2, West of Hensall | 139.204 | 08-0022-007-02 | 288 |
| | Little Ausable River | At Bridge, Twp Line West of Lucan | 109.915 | 08-0022-010-02 | 289 |
| | Parkhill Creek | Rd.Between Lots 15 & 16 West of Parkhill | 19.955 | 08-0022-012-02 | 291 |
| | The Cut | At Highway 21 | 6.276 | 08-0021-001-02 | 286 |
| Batchawana River | Batchawana River | At Highway 17 | 0.322 | 07-0031-001-02 | 284 |
| Batteaux River | Batteaux River | At Highway 26 Collingwood | 0.322 | 03-0054-001-02 | 61 |
| Bayfield River | Bayfield River | First Concession Downstream from Clinton | 21.243 | 08-0040-006-02 | 295 |
| | Bayfield River | At Huron County Road 31 North of Varna | 14.162 | 08-0040-008-02 | 296 |
| | Bayfield River | At First Concession West of Seaforth | 45.382 | 08-0040-009-02 | 297 |
| Beaver River | Beaver River | At Railroad Bridge Thornbury | 0.322 | 03-0036-002-02 | 53 |
| | Beaver River | At Grey County Road No.2 Feversham | 56.969 | 03-0036-006-02 | 55 |
| | Beaver River | At County Road No.10 Osprey Township | 59.061 | 03-0036-007-02 | 56 |
| | Beaver River | At County Road No.8 Osprey Township | 58.257 | 03-0036-008-02 | 57 |
| | Beaver River | At County Road No.30 South of Kimberley | 37.175 | 03-0036-009-02 | 58 |
| | Boyne River | 1st.Bridge Dnstr. from Hwy.10 Flesherton | 44.417 | 03-0036-005-02 | 54 |
| Belle River | Belle River | At First Road South of Highway 401 | 9.978 | 04-0007-002-02 | 137 |
| Big Carp River | Big Carp River | At Herkimer Street Sault Ste. Marie | 1.127 | 13-0003-001-02 | 370 |
| Big Creek | Big Creek | Norfolk County Road 42 | 3.380 | 16-0124-003-02 | 445 |
| | Big Creek | At William Street Delhi | 48.440 | 16-0124-009-02 | 447 |
| Big Otter Creek | Big Otter Creek | 9th Line Bayham Town Line | 44.095 | 16-0109-004-02 | 442 |
| | Big Otter Creek | At Highway 19 Southern Bridge Vienna | 7.081 | 16-0109-005-02 | 443 |
| | Big Otter Creek | At Norwich Rd.6 E. of Base Line Rd. | 78.373 | 16-0109-007-02 | 444 |
| Bighead River | Bighead River | At Conc. Road 8 and 9 South of Oxmead | 12.713 | 03-0030-002-02 | 51 |
| Black River | Black River | At County Road 17 | 7.725 | 06-0172-001-02 | 280 |
| Black Sturgeon River | Black Sturgeon River | At Highways 11 and 17 | 13.196 | 01-0092-001-02 | 29 |
| Blackbird Creek | Kimberly Clark Effluent Canal | At Highway 17 | 13.196 | 01-0074-001-02 | 25 |
| Blanche River | Amikougami Creek | At Highway No.66 | 104.605 | 18-7710-010-02 | 619 |
| | Blanche River | Highway 112, 8 Miles South of Swastika | 85.776 | 18-7710-004-02 | 618 |
| | Blanche River | At Bridge on Rosegrove Beach Road | 96.719 | 18-7710-009-02 | 618 |
| | Larder Lake | Public Beach, Larder Lake | 82.074 | 18-7710-003-01 | 617 |
| Blind River | Blind River | At Highway 17 Bridge Blind River | 0.322 | 14-0014-003-02 | 375 |
| Bloomfield Creek | Bloomfield Creek | At Church Street Bloomfield | 5.954 | 06-0163-001-02 | 280 |
| Bonnechere River | Bonnechere River | County Road 3, 2 Miles East of Castleford | 0.805 | 18-3690-010-02 | 610 |
| Bowmanville Creek | Bowmanville Creek | West Beach Road, Bowmanville | 1.287 | 06-0116-001-02 | 264 |
| | Soper Brook | West Beach Road Bowmanville | 0.966 | 06-0116-002-02 | 265 |
| | Soper Brook | Highway 2, Bowmanville | 5.150 | 06-0116-003-02 | 266 |
| Boyne River | Boyne River | Otter Lake Outlet South of Parry Sound | 10.943 | 03-0096-002-02 | 112 |
| Bronte Creek | Bronte Creek | Highway 2, Bronte | 0.644 | 06-0060-001-02 | 194 |
| | Bronte Creek | Appleby Line Burlington | 14.966 | 06-0060-002-02 | 195 |
| | Bronte Creek | At Progreston Road | 29.450 | 06-0060-005-02 | 198 |
| | Indian Creek | At Tremaine Road South of Britannia Road | 21.886 | 06-0060-006-02 | 199 |
| | Mountsberg Creek | At County Road 18 | 43.612 | 06-0060-003-02 | 196 |
| | Mountsberg Creek | At Hwy.401 Above Mountsberg Reservoir | 49.245 | 06-0060-004-02 | 197 |
| Brookside Creek | Brookside Creek | Highway 2 1.5 Miles East of Brookside | 2.736 | 06-0139-002-02 | 272 |
| Butlers Creek | Butlers Creek | Highway 2, Brockville | 0.483 | 12-0034-001-02 | 358 |
| Canard River | Canard River | Hwy.18 2 Miles South of River Canard | 0.805 | 10-0002-001-02 | 342 |
| | Canard River | 2 Miles South of Lukerville | 12.070 | 10-0002-002-02 | 343 |
| Carruthers Creek | Carruthers Creek | First Road East of Ajax Town Line | 0.805 | 06-0107-001-02 | 256 |
| Cataraqui River | Cataraqui River | Highway 2, Kingston (Centre) | 0.805 | 12-0004-001-02 | 355 |
| | Cataraqui River | At Dam, Kingston Mills | 8.207 | 12-0004-002-02 | 356 |
| Catfish Creek | Catfish Creek | At Conc. Road 2 Miles East of Sparta | 5.150 | 16-0097-003-02 | 439 |
| | Catfish Creek | At Highway No. 3 West of Orwell | 24.944 | 16-0097-005-02 | 440 |
| | Catfish Creek | At Elgin County Road No. 40 Glencolin | 34.761 | 16-0097-006-02 | 441 |
| | Catfish Creek | At County Rd.10 South of Brownsville | 49.888 | 16-0097-007-02 | 441 |
| Centre Creek | Centre Creek | At First Road Upstream from Lake Erie | 0.161 | 16-0163-001-02 | 452 |
| Cobourg Brook | Cobourg Brook | At Park South on Fourth Street | 0.322 | 06-0133-004-02 | 271 |
| Colborne Creek | Colborne Creek | At Bridge in Lakeport | 0.644 | 06-0146-001-02 | 274 |
| Consecon Creek | Consecon Creek | At Mill Dam Consecon | 0.322 | 06-0157-001-02 | 278 |
| | Consecon Creek | At County Road 2 Allisonville | 14.001 | 06-0157-002-02 | 279 |
| | Consecon Creek | At Highway 14 | 22.852 | 06-0157-003-02 | 279 |
| Credit River | Black Creek | First Concession Upstream from Limehouse | 50.854 | 06-0076-008-02 | 210 |
| | Credit River | Highway 5 Erindale | 7.886 | 06-0076-002-02 | 207 |
| | Credit River | Highway 7 Norval | 34.439 | 06-0076-003-02 | 208 |
| | Credit River | Highway 10 Dnstr. from Orangeville STP | 83.684 | 06-0076-006-02 | 209 |
| | Credit River | At County Road 9 Terra Cotta | 50.210 | 06-0076-010-02 | 211 |
| | Credit River | At 22nd Side Road Glen Williams | 40.233 | 06-0076-013-02 | 212 |
| | Credit River | At Derry Road West of Highway No.10 | 21.565 | 06-0076-017-02 | 215 |
| | Credit River | At 20 Side Road Caledon Township | 75.315 | 06-0076-018-02 | 216 |
| | Credit River | Southern Dam of Orangeville Reservoir | 87.868 | 06-0076-019-02 | 217 |
| | Credit River | South of Hwy.136 Below Orangeville STP | 86.098 | 06-0076-020-02 | 218 |
| | Credit River | At Melville | 79.660 | 06-0076-023-02 | 219 |
| | Credit River Erin Branch | At Wellington and Peel County Boundry | 69.844 | 06-0076-015-02 | 213 |
| | Credit River West Branch | Highway 7 Norval | 34.922 | 06-0076-004-02 | 208 |
| | Credit River West Branch | At County Road No.13 Georgetown | 37.175 | 06-0076-022-02 | 219 |
| | Fletcher's Creek | At Steels Ave.. Brampton | 26.232 | 06-0076-016-02 | 214 |
| Current River | Current River | At Cumberland Street Thunder Bay | 0.483 | 01-0104-001-02 | 29 |
| | Current River | At Highways 11 and 17 Thunder Bay | 2.897 | 01-0104-002-02 | 30 |
| Dead Horse Creek | Dead Horse Creek | At Highway No.17 | 2.253 | 01-0068-001-02 | 24 |
| Dedrich Creek | Dedrich Creek | At Front Road Walsingham South Township | 0.966 | 16-0126-001-02 | 448 |
| Delisle River | Delisle River | At CNR Trestle Dnstr. of Alexandria | 44.578 | 12-0086-001-02 | 362 |
| | Delisle River | At First Bridge Upstr. of Alexandria | 46.509 | 12-0086-002-02 | 363 |
| | Garry River | At CNR Trestle Alexandria | 48.279 | 12-0086-003-02 | 363 |
| | Garry River | At First Bridge Upstr. of Alexandria | 50.049 | 12-0086-004-02 | 364 |
| Demorestville Creek | Demorestville Creek | At County Road 14 | 4.828 | 17-0014-001-02 | 510 |
| Don River | Don River | Lakeshore Road Toronto | 0.161 | 06-0085-001-02 | 233 |
| | Don River | Bayview Exit from Don Valley Parkway | 3.862 | 06-0085-013-02 | 237 |
| | Don River | At Pottery Road | 4.506 | 06-0085-014-02 | 238 |
| | Don River East | Bayview and Steeles Ave. Toronto | 27.680 | 06-0085-003-02 | 235 |
| | Don River West | Sheppard Ave. Toronto | 22.208 | 06-0085-002-02 | 234 |
| | Don River West | Highway 7 West of Concord | 31.864 | 06-0085-004-02 | 236 |
| | German Mills Creek | 16th. Ave. Dnstr. from Richmond Hill STP | 35.566 | 06-0085-005-02 | 236 |

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| River Basin | Stream | Sample Point Description | Distance | Location Code | Page No. |
|---|---|---|---|---|---|
| Duffins Creek | Brougham Cr. Trib. | At Highway No.7 | 16.898 | 06-0104-052-02 | 256 |
| | Brougham Creek | Conc. Rd. 5 1 Mile E. of Township Rd. 16-17 | 14.323 | 06-0104-028-02 | 253 |
| | Brougham Creek | At Brock Rd. South of Highway No.7 | 17.380 | 06-0104-050-02 | 254 |
| | Brougham Creek | North of Conc. 5 Pickering Township | 15.771 | 06-0104-051-02 | 255 |
| | Brougham Creek | At Hwy. No.7 First Stream W. of Brock Rd. | 17.702 | 06-0104-048-02 | 254 |
| | Duffins Creek | Baseline Road, 1 Mile West of Ajax | 3.058 | 06-0104-001-02 | 246 |
| | Duffins Creek | Downstream from Ajax STP | 2.736 | 06-0104-003-02 | 247 |
| | Duffins Creek | Highway 2, Pickering | 5.793 | 06-0104-005-02 | 248 |
| | Ganateskiagon Creek | On Brock Road South of Concession 8 | 8.207 | 06-0104-024-02 | 251 |
| | Ganateskiagon Creek | At Concession 4 | 10.782 | 06-0104-022-02 | 251 |
| | Stouffville Creek | Downstream from Stouffville STP. | 27.680 | 06-0104-011-02 | 249 |
| | Stouffville Creek | First Road North of Stouffville | 34.117 | 06-0104-012-02 | 249 |
| | Urfe Creek | At Concession 3 East of Brock Road | 8.207 | 06-0104-026-02 | 252 |
| East Davignon Creek | East Davignon Creek | Near Mouth, West of Algoma Steel | 0.483 | 13-0008-001-02 | 370 |
| English River | Balmer Creek | At Balmer Lake Outlet | 283.400 | 19-0001-016-02 | 634 |
| | Balmer Creek | 500 Feet Upstream of Chukuni River | 278.731 | 19-0001-032-02 | 637 |
| | Chukuni River | Downstream from Balmer Creek | 277.765 | 19-0001-015-02 | 633 |
| | English River | At Manitou Falls Hydro Dam | 193.525 | 19-0001-007-02 | 626 |
| | Howey Bay | 500 Feet from Shore, Red Lake | 285.651 | 19-0001-033-01 | 639 |
| | Red Lake | In Bruce Channel Near Ferry Crossing | 288.030 | 19-0001-018-01 | 636 |
| | Snib Lake Creek | At Snib Lake Outlet | 299.008 | 19-0001-017-02 | 635 |
| | Troutlake River | At Highway No.105 | 233.349 | 19-0001-008-02 | 627 |
| | Wabigoon River | Upstr from Great Lakes Forest Products | 265.017 | 19-0001-005-02 | 623 |
| | Wabigoon River | At Golf Course Bridge Dryden | 264.408 | 19-0001-006-02 | 624 |
| | Wabigoon River | At Minnittaki Sideroad | 235.280 | 19-0001-035-02 | 640 |
| | Wabigoon River | Highway 609 Near Quibell | 199.875 | 19-0001-036-02 | 641 |
| Etobicoke Creek | Etobicoke Creek | Highway 2 Long Branch | 0.483 | 06-0080-001-02 | 221 |
| | Etobicoke Creek | Burnhamthorpe Road Mississauga | 8.690 | 06-0080-003-02 | 223 |
| | Etobicoke Creek | At Hwy.10 1.2 Miles N-W of Snelgrove | 38.301 | 06-0080-004-02 | 223 |
| | Etobicoke Creek West | Derry Road East Mississauga | 20.438 | 06-0080-002-02 | 222 |
| Farewell Creek | Farewell Creek | At Wentworth Street Oshawa | 1.609 | 06-0112-003-02 | 263 |
| | Harmony Creek | At Bloor Street East Oshawa | 1.931 | 06-0112-001-02 | 262 |
| | Cobalt Lake | At Outlet, Cobalt | 9.495 | 18-7370-002-01 | 615 |
| Farr Creek | Farr Creek | Downstream from Crosswise Lake | 5.472 | 18-7370-001-02 | 614 |
| | Sasaginaga Lake | Near Cobalt | 10.460 | 18-7370-003-01 | 616 |
| Fort Creek | Fort Creek | At Mouth, Sault Ste. Marie | 0.161 | 13-0009-001-02 | 371 |
| French River Main Channel | Chippewa Creek | At Mouth Amelia Park North Bay | 215.163 | 03-0133-019-02 | 126 |
| | Duchesnay River | Hwy.17 Upstream of Nordfibre | 114.743 | 03-0133-012-02 | 123 |
| | Duchesnay River | Hwy.17B Downstream of Nordfibre | 114.260 | 03-0133-013-02 | 123 |
| | French River | At Highway 69 | 28.967 | 03-0133-001-02 | 118 |
| | La Vase River | Upstream from Dupont North Bay | 121.180 | 03-0133-014-02 | 124 |
| | La Vase River | Downstream from Dupont North Bay | 120.698 | 03-0133-015-02 | 124 |
| | La Vase River | At Mouth North Bay | 0.322 | 03-0133-024-02 | 127 |
| | Lake Nipissing | At Amelia Beach North Bay | 0.000 | 03-0133-010-01 | 121 |
| | Lake Nipissing | Downstream Government Docks North Bay | 0.000 | 03-0133-011-01 | 122 |
| | South River | At Hwy. No.11 North of South River | 53.268 | 03-0133-023-02 | 127 |
| | Sturgeon River | 4 Mile Downstream from Highway No.17 | 117.318 | 03-0133-003-02 | 120 |
| | Sturgeon River | At Bridge in Sturgeon Falls | 124.077 | 03-0133-004-02 | 120 |
| | Sturgeon River | First Bridge Upstream from Crystal Falls | 140.492 | 03-0133-017-02 | 125 |
| | Sturgeon River | Downstream from Highway No.17 | 123.755 | 03-0133-028-02 | 128 |
| | Veuve River | At First Road Upstream from Cache Bay | 126.330 | 03-0133-002-02 | 119 |
| French River West Channel | Coniston Creek | Highway 17 Coniston | 88.512 | 03-0134-005-02 | 131 |
| | Coniston Creek | Upstream from Wanapitei River Coniston | 84.971 | 03-0134-006-02 | 132 |
| | Emery Creek | Upstream from Wanapitei River Wahnapitae | 95.753 | 03-0134-003-02 | 131 |
| | Romford Creek | Upstream from Junction with Coniston Creek | 88.672 | 03-0134-013-02 | 134 |
| | Wanapitei River | At Bridge in St. Cloud | 72.740 | 03-0134-001-02 | 129 |
| | Wanapitei River | Highway 17 in Wahnapitae | 88.833 | 03-0134-002-02 | 130 |
| | Wanapitei River | At Timmins Chute | 96.075 | 03-0134-008-02 | 133 |
| Gage Creek | Gage Creek | Highway 2, 1 Mile East of Port Hope | 0.483 | 06-0130-001-02 | 270 |
| Gananoque River | Gananoque River | At RR Trestle Canadian Steel Gananoque | 0.966 | 12-0017-001-02 | 357 |
| | Gananoque River | Highway 32, 2 Miles North of Highway 401 | 6.115 | 12-0017-004-02 | 358 |
| Ganaraska River | Ganaraska River | Peter Street Port Hope | 0.644 | 06-0129-001-02 | 269 |
| Garden River | Garden River | Highway 17, Garden River | 2.253 | 13-0013-001-02 | 373 |
| Goulais River | Goulais River | At Bridge Goulais River | 12.231 | 07-0009-003-02 | 282 |
| Graham Creek | Graham Creek | 1st. Br. Upstr. from L. Ontario, Newcastle | 1.127 | 06-0118-001-02 | 268 |
| Grand River | Alder Creek | At Mannheim Bridge | 186.288 | 16-0184-026-02 | 468 |
| | Alder Creek | At First Conc. Road South of New Dundee | 179.920 | 16-0184-038-02 | 483 |
| | Baden Creek | At Bleams Road Downstream from Baden STP | 205.025 | 16-0184-098-02 | 500 |
| | Boston Creek | At First Conc. Road West of Highway No.6 | 49.245 | 16-0184-095-02 | 497 |
| | Brantford Water Works Canal | At Water Works Park Foot Bridge | 107.018 | 16-0184-097-02 | 499 |
| | Canagagigue Creek | First Bridge Downstream from Elmira STP | 202.128 | 16-0184-016-02 | 466 |
| | Canagagigue Creek | First Concession North of Elmira | 207.922 | 16-0184-051-02 | 489 |
| | Canagagigue Creek | At County Road 19 Floradale | 210.818 | 16-0184-052-02 | 490 |
| | Conestogo River | At Waterloo County Road No.22 | 193.599 | 16-0184-029-02 | 472 |
| | Conestogo River | Steel Bridge at Glen Allan Gr-12 | 223.049 | 16-0184-077-02 | 492 |
| | Conestogo River | At Wellington County Road No.7 | 244.775 | 16-0184-100-02 | 502 |
| | Cox Creek | At Highway No.86 | 200.680 | 16-0184-105-02 | 507 |
| | Eramosa River | At County Road No.41 Northwest of Arkell | 180.563 | 16-0184-102-02 | 504 |
| | Fairchild Creek | First Conc. Downstream from St. George | 107.501 | 16-0184-044-02 | 487 |
| | Fairchild Creek | Lot 6 South of Hamilton Road, Brantford Twp. | 80.626 | 16-0184-093-02 | 496 |
| | Grand River | At Glen Morris Bridge | 133.250 | 16-0184-010-02 | 462 |
| | Grand River | At Blair Bridge | 151.918 | 16-0184-012-02 | 464 |
| | Grand River | At Bridgeport Bridge | 177.506 | 16-0184-015-02 | 465 |
| | Grand River | Blossom Ave. Bridge Newport | 78.856 | 16-0184-024-02 | 467 |
| | Grand River | At Cocksutts Bridge Brantford | 92.535 | 16-0184-027-02 | 469 |
| | Grand River | At Highway No.7 Breslau | 171.873 | 16-0184-028-02 | 470 |
| | Grand River | At Bridge in Dunnville | 7.725 | 16-0184-035-02 | 476 |
| | Grand River | 1st. Conc. Road Dnstr. of Bellwood Lake | 222.566 | 16-0184-037-02 | 482 |
| | Grand River | At East Luther and Amaranth Twp Line | 248.154 | 16-0184-039-02 | 484 |
| | Grand River | Old Highway No.8 Freeport | 162.539 | 16-0184-041-02 | 485 |
| | Grand River | Conc. Road No.13 NW of Marsville Gr-3 | 243.809 | 16-0184-067-02 | 491 |
| | Grand River | In Rural Community of Leggatt | 264.408 | 16-0184-090-02 | 493 |
| | Grand River | At Bridge in Community of York | 42.325 | 16-0184-092-02 | 495 |
| | Grand River | At Highway No.86 | 199.875 | 16-0184-103-02 | 505 |
| | Irvine Creek | At William Street Salem | 217.416 | 16-0184-104-02 | 506 |

| River Basin | Stream | Sample Point Description | Distance | Location Code | Page No. |
|---|---|---|---|---|---|
| Grand River | McKenzie Creek | At First Conc. Road West of Highway No.6 | 49.888 | 16-0184-096-02 | 498 |
| | Moorefield Creek | County Road No.10 Village of Moorefield | 241.878 | 16-0184-091-02 | 494 |
| | Nith River | At Highway 24A Paris | 121.180 | 16-0184-009-02 | 461 |
| | Nith River | First Bridge Downstream from New Hamburg | 203.255 | 16-0184-032-02 | 473 |
| | Nith River | First Bridge Downstream from Ayr | 170.264 | 16-0184-033-02 | 474 |
| | Nith River | First Conc. Downstream from Wellesly | 230.935 | 16-0184-045-02 | 488 |
| | Speed River | Edinborough Street Guelph | 172.678 | 16-0184-034-02 | 475 |
| | Speed River | Puslinch Lake Road 4 Mile S-W Guelph | 164.470 | 16-0184-036-02 | 480 |
| | Speed River | At Woodlawn Road, Guelph UL-2 | 180.081 | 16-0184-043-02 | 486 |
| | Speed River | Above Guelph Reservoir Armstrong Mills | 191.507 | 16-0184-099-02 | 501 |
| | Speed River | At Highway No.8 Cambridge | 152.401 | 16-0184-101-02 | 503 |
| | Whitemans Creek | At First Conc. Rd. West of Highway No.24A | 119.732 | 16-0184-106-02 | 508 |
| Green Creek | Green Creek | At Highway No.17 | 4.023 | 18-2590-020-02 | 604 |
| Grindstone Creek | Grindstone Creek | Highway 2, Bayview, Hamilton Harbour | 0.483 | 09-0009-001-02 | 339 |
| | Grindstone Creek | Waterdown Road, Waterdown | 7.242 | 09-0009-002-02 | 340 |
| Harmony River | Harmony River | Highway 17 Chippewa Falls | 0.805 | 07-0028-001-02 | 283 |
| Hickory Creek | Hickory Creek | At Plympton Tw. Rd. No.14 Dnstr. of Forest | 8.529 | 08-0010-001-02 | 285 |
| Highland Creek | Highland Creek | Highland Creek Park West Hill | 2.575 | 06-0094-002-02 | 239 |
| Humber River | Black Creek | At Scarlett Road Toronto | 8.207 | 06-0083-012-02 | 230 |
| | Humber River | Lakeshore Road Toronto | 0.000 | 06-0083-001-02 | 226 |
| | Humber River | Highway 7 Woodbridge | 26.714 | 06-0083-003-02 | 228 |
| | Humber River | York Peel County Line Bolton | 52.463 | 06-0083-005-02 | 229 |
| | Humber River | Albion Hill Conservation Area | 71.292 | 06-0083-018-02 | 231 |
| | Humber River | At Old Mill Road | 5.633 | 06-0083-019-02 | 232 |
| | Humber River East | At Bridge Pine Grove Road | 28.163 | 06-0083-004-02 | 228 |
| | Humber River West | Claireville Dam Outlet Claireville | 23.818 | 06-0083-002-02 | 227 |
| Kaministiquia River | Kaministiquia River | At Highway No.61B Thunder Bay | 6.759 | 01-0108-001-02 | 37 |
| | Kaministiquia River | Upstream of Highway No.61 Bridge | 8.851 | 01-0108-002-02 | 40 |
| | Kaministiquia River | Middle of Turning Basin | 8.047 | 01-0108-003-02 | 41 |
| | Kaministiquia River | Near Mouth Thunder Bay | 0.000 | 01-0108-004-02 | 42 |
| | Kaministiquia River | At Mission River Junction | 4.023 | 01-0108-005-02 | 43 |
| Kettle Creek | Beaver Creek | At Pond Outlet Community of Union | 7.403 | 16-0087-006-02 | 434 |
| | Dodd Creek | First Concession North of Highway 3 | 36.370 | 16-0087-004-02 | 433 |
| | Dodd Creek | At Highway 3 St. Thomas | 22.530 | 16-0087-013-02 | 438 |
| | Kettle Creek | First Concession South West of Belmont | 44.417 | 16-0087-007-02 | 434 |
| | Kettle Creek | At County Road 26 St. Thomas | 22.530 | 16-0087-009-02 | 435 |
| | Kettle Creek | First Bridge above Port Stanley | 4.828 | 16-0087-010-02 | 436 |
| | Kettle Creek | At Elgin County Road 45 | 17.059 | 16-0087-012-02 | 437 |
| | Kettle Creek | At County Road No.31 North of St. Thomas | 29.933 | 16-0087-015-02 | 438 |
| Lake Superior | Lake Superior | Inside Eastern Gap Thunder Bay | 0.000 | 01-0000-001-01 | 1 |
| | Lake Superior | Off Mouth of Kaministiquia River | 0.000 | 01-0000-002-01 | 1 |
| | Lake Superior | Near Pulp Mill Mission Bay Thunder Bay | 0.000 | 01-0000-003-01 | 2 |
| | Lake Superior | Near Prov. Mill, Eastern Gap Thunder Bay | 0.000 | 01-0000-004-01 | 3 |
| | Lake Superior | Near Abitibi Thunder Bay Paper Mill Slip | 0.000 | 01-0000-005-01 | 3 |
| | Lake Superior | At Abitibi Thunder Bay Paper Mill Ditch | 0.000 | 01-0000-006-01 | 4 |
| | Lake Superior | 3.5 Mi. E. of Welcome Isl. Lighthouse | 0.000 | 01-0000-007-01 | 5 |
| | Lake Superior | 2.5 Kilometers East of McKellar Island | 0.000 | 01-0000-010-01 | 6 |
| | Lake Superior | 2 Kilometers East of Northern Wood Preserves | 0.000 | 01-0000-011-01 | 6 |
| Little Cataraqui Creek | Little Cataraqui Creek | Highway 2, 1 Mile Southeast of Cataraqui | 4.345 | 12-0002-004-02 | 354 |
| | Little CataraQui Creek | At Reservoir Outlet Dam | 8.207 | 12-0002-008-02 | 355 |
| Little Pic River | Little Pic River | At Highway 17 | 1.448 | 01-0067-001-02 | 22 |
| Little River | Little River | At Riverside Drive Windsor | 0.161 | 04-0001-001-02 | 135 |
| Little Sauble River | Little Sauble River | At Inverhuron Provincial Park MOE SW AI | 1.931 | 08-0113-001-02 | 312 |
| Lucknow River | Lucknow River | Highway 21, Port Albert | 1.287 | 08-0076-001-02 | 311 |
| | Lucknow River | Canning Street, Village of Lucknow | 25.749 | 08-0076-002-02 | 312 |
| Lynde Creek | Lynde Creek | At Baseline Road Whitby Township | 1.448 | 06-0108-001-02 | 257 |
| Lynn River | Lynn River | At Highway 6 Port Dover | 0.644 | 16-0159-001-02 | 449 |
| | Lynn River | At Lynn Valley Rd. Dnstr. of Simcoe STP | 9.012 | 16-0159-002-02 | 450 |
| | Lynn River | At Victoria Street Simcoe | 13.357 | 16-0159-008-02 | 451 |
| Madawaska River | Madawaska River | Highway 17 Bridge Arnprior | 1.127 | 18-3490-020-02 | 610 |
| Magnetawan River | Bernard Creek | 1st. Bridge Dnstr. from Sundridge Lagoon | 133.089 | 03-0124-004-02 | 116 |
| | Bernard Creek | At Highway No. 520 | 116.191 | 03-0124-005-02 | 116 |
| | Magnetawan River | At 1st Bridge Dnstr. from Highway No.11 | 120.376 | 03-0124-001-02 | 114 |
| | Magnetawan River | At Young Street Bridge Burks Falls | 127.135 | 03-0124-002-02 | 114 |
| | Magnetawan River | At Highway 69 | 10.460 | 03-0124-003-02 | 115 |
| Magpie River | Magpie River | Highway 17, 1 Mile West of Wawa | 12.713 | 01-0029-002-02 | 9 |
| Maitland River | Belgrave Creek | 3rd. Conc. W. of Hwy. No.4 S. of Co. Rd. No.20 | 59.222 | 08-0056-030-02 | 309 |
| | Blyth Brook | At Side Road, West of Blyth | 51.015 | 08-0056-002-02 | 298 |
| | Drainage Ditch | At Side Rd. 3-4, 1Mile West of Milverton | 153.688 | 08-0056-010-02 | 304 |
| | Little Maitland River | Hwy. 23, 3 Miles S-W of Palmerston | 131.963 | 08-0056-006-02 | 301 |
| | Maitland River | Highway 21, Goderich | 2.736 | 08-0056-001-02 | 297 |
| | Maitland River | Highway 86, 2 Miles N-W of Wingham | 77.246 | 08-0056-003-02 | 299 |
| | Maitland River | One Mile Northeast of Wroxeter | 100.420 | 08-0056-004-02 | 300 |
| | Maitland River | Highway 87, Downstream from Harriston | 134.859 | 08-0056-007-02 | 302 |
| | Maitland River | At Highway 21 Goderich | 2.736 | 08-0056-023-83 | 308 |
| | Middle Maitland River | Hamlet of Trowbridge | 140.975 | 08-0056-009-02 | 303 |
| | Middle Maitland River | Highway 23, Downstream from Listowel | 147.090 | 08-0056-013-02 | 305 |
| | Middle Maitland River | Half Mile Northeast of Listowel | 159.803 | 08-0056-014-02 | 306 |
| | Middle Maitland River | 0.7 Miles of Ethel | 127.135 | 08-0056-026-02 | 308 |
| | Middle Maitland River | At County Road No.16, West of Brussels | 104.283 | 08-0056-031-02 | 310 |
| | South Maitland River | Highway 4, Londesborough | 43.451 | 08-0056-015-02 | 307 |
| Mattawa River | Mattawa River | Highway 533 Bridge Mattawa | 0.161 | 18-6070-020-02 | 611 |
| McCurry Lake | McCurry Lake Outlet | Emil Street Parry Sound | 0.322 | 03-0097-001-02 | 113 |
| McIntyre River | McIntyre River | At Hammond Ave. Thunder Bay | 0.966 | 01-0106-001-02 | 32 |
| | McIntyre River | Highway 11 and 17 City of Thunder Bay | 1.931 | 01-0106-002-02 | 34 |
| McKellar River | McKellar River | At 104th Ave. Thunder Bay | 2.414 | 01-0109-001-02 | 45 |
| | McKellar River | Near Mouth City of Thunder Bay | 0.161 | 01-0109-002-02 | 46 |
| McVicar Creek | McVicar Creek | At Cumerland Street Thunder Bay | 0.322 | 01-0105-001-02 | 31 |
| McCraney Creek | Fourteen Mile Creek | At Queen Elizabeth Way | 3.862 | 06-0061-001-02 | 200 |
| Michipicoten River | Michipicoten River | Highway 17, 5 Miles South of Wawa | 6.115 | 01-0029-001-02 | 8 |
| Millhaven Creek | Millhaven Creek | First Concession Road South of Odessa | 6.437 | 06-0180-004-02 | 281 |
| | Millhaven Creek | At County Road 6 | 10.782 | 06-0180-005-02 | 281 |
| Mimico Creek | Mimico Creek | Highway 2 Mimico | 0.161 | 06-0082-001-02 | 224 |
| | Mimico Creek | Richview Side Road Etobicoke | 10.460 | 06-0082-002-02 | 225 |
| Mission River | Mission River | Near Mouth | 0.322 | 01-0110-001-02 | 47 |

| River Basin | Stream | Sample Point Description | Distance | Location Code | Page No. |
|---|---|---|---|---|---|
| Mississagi River | Mississagi River | At Mississagi Chute | 3.862 | 14-0012-001-02 | 374 |
| | Mississagi River | At Dean Lake Road Bridge | 16.415 | 14-0012-003-02 | 375 |
| Mississippi River | Bennett Lake Outlet | At Outlet Dam Near Fallbrook | 88.351 | 18-3430-610-02 | 609 |
| | Clyde River | Below Lanark | 86.902 | 18-3430-520-02 | 608 |
| | Clyde River | Above Lanark | 90.121 | 18-3430-530-02 | 608 |
| | Mississippi River | At Mazinaw Lake Outlet | 169.298 | 18-3430-230-02 | 607 |
| | Mississippi River | At Railway Bridge North Galetta | 3.701 | 18-3430-030-02 | 605 |
| | Mississippi River | At Dam Below Pakenham | 14.966 | 18-3430-034-02 | 605 |
| | Mississippi River | Downstream of Almonte | 28.485 | 18-3430-040-02 | 606 |
| | Mississippi River | Below Carleton Place | 45.382 | 18-3430-060-02 | 606 |
| | Mississippi River | At Dalhousie Lake Outlet | 102.995 | 18-3430-175-02 | 607 |
| Moira River | Black River | Highway 7, 2 Miles East of Actinolite | 62.763 | 17-0026-010-02 | 572 |
| | Clare River | 1st. Bridge Upstream of Stoco Lake Tweed | 52.785 | 17-0026-007-02 | 570 |
| | Madoc Creek | At Railway Bridge, 1 Mile South of Madoc | 74.832 | 17-0026-012-02 | 574 |
| | Moira Lake | County Bridge, 1 Mile South of Madoc | 71.453 | 17-0026-011-01 | 573 |
| | Moira River | Footbridge North of Highway 2, Belleville | 1.127 | 17-0026-001-02 | 566 |
| | Moira River | Bridge in Cannifton | 6.276 | 17-0026-002-02 | 567 |
| | Moira River | At Stoco Lake Outlet | 43.773 | 17-0026-003-02 | 568 |
| | Moira River | Stoco Bridge Hungerford Township | 47.796 | 17-0026-004-02 | 568 |
| | Moira River | Jameson Street Tweed | 50.210 | 17-0026-006-02 | 569 |
| | Moira River | Highway 7, 1 Mile South of Deloro | 92.696 | 17-0026-013-02 | 575 |
| | Moira River | Downstream from Village of Malone | 100.742 | 17-0026-019-02 | 576 |
| | Skootamatta River | Highway 7 near Actinolite | 60.671 | 17-0026-009-02 | 571 |
| | Sulphide Creek | Upstream from Stoco Lake Hungerford Twp. | 52.785 | 17-0026-008-02 | 571 |
| Montreal River | Giroux Lake | At Outlet near Cobalt | 106.697 | 18-6975-001-01 | 612 |
| | Giroux Lake | At Glen Lake Outlet | 108.950 | 18-6975-004-01 | 613 |
| | Montreal River | Highway No.17, 66 Miles south of Wawa | 0.805 | 01-0009-001-02 | 7 |
| | Montreal River | At Highway 11, Latchford | 35.405 | 18-6975-003-02 | 613 |
| Moon River | Moon River | Hwy.69, 6 Miles N. of Hwy. 69 & 660 Junction | 16.737 | 03-0092-001-02 | 111 |
| Moose River | Abitibi River | Upstream from Abitibi Paper Company | 373.358 | 19-0064-006-02 | 647 |
| | Abitibi River | At Highway No. 574 | 283.720 | 19-0064-023-02 | 653 |
| | Abitibi River | 36 Mile Dnstream Abitibi Iroquois Falls Mill | 266.500 | 19-0064-030-02 | 656 |
| | Abitibi River | Upstream of Abitibi Mill Discharge | 373.840 | 19-0064-031-02 | 657 |
| | Abitibi River | Upstream from Abitibi Iroquois Falls Dam | 373.519 | 19-0064-032-02 | 659 |
| | Black River | Highway 101 Town of Matheson | 422.763 | 19-0064-007-02 | 647 |
| | Groundhog River | Highway 11 Bridge in Fauquier | 300.134 | 19-0064-016-02 | 652 |
| | Kapuskasing River | Upstream from Spruce Falls Paper Company | 300.939 | 19-0064-009-02 | 649 |
| | Kapuskasing River | At Fred Flatt Rd. Downstream from Kapuskasing | 278.087 | 19-0064-024-02 | 655 |
| | Kapuskasing River | At Spruce Falls Mill Intake | 300.617 | 19-0064-034-02 | 661 |
| | Kapuskasing River | 20 Miles Downstream from Spruce Falls Mill | 267.144 | 19-0064-035-02 | 662 |
| | Mattagami River | Downstream from Timmins STP | 425.660 | 19-0064-001-02 | 642 |
| | Mattagami | Highway 101 Bridge, Timmins | 427.269 | 19-0064-002-02 | 643 |
| | Mattagami River | Upstream of Abitibi Paper Smooth Rock Falls | 317.837 | 19-0064-011-02 | 650 |
| | Mattagami River | 12 Miles Downstream from Smooth Rock Falls | 297.399 | 19-0064-033-02 | 660 |
| | Mattawishkwia River | Highway 11 Town of Hearst | 344.390 | 19-0064-008-02 | 648 |
| | Mattawishkwia River | On Road between Lots 6 & 7 upstream of Hearst | 353.241 | 19-0064-025-02 | 656 |
| | Missinaibi River | Highway 11 Mattice | 324.274 | 19-0064-013-02 | 651 |
| | Porcupine River | Highway 101 Whitney Township | 431.936 | 19-0064-003-02 | 644 |
| | Porcupine River | Highway 101 Bridge, Hoyle | 404.739 | 19-0064-004-02 | 645 |
| Muddy Creek | Muddy Creek | At First Bridge above Lake Erie | 0.322 | 16-0032-001-02 | 431 |
| Muskoka River | East River | Highway 11, 5 Miles north of Huntsville | 140.170 | 03-0085-032-02 | 109 |
| | Fairy Lake Outlet | At Regional Road No.2 Huntsville | 105.248 | 03-0085-007-02 | 105 |
| | Indian River | Hanna Park Port Carling | 53.751 | 03-0085-011-02 | 107 |
| | Lake of Bays | Highway 35, Dorset | 132.606 | 03-0085-014-01 | 108 |
| | Lake of Bays Outlet | Highway No.117 Baysville | 107.501 | 03-0085-009-02 | 106 |
| | Lake Vernon Outlet | Highway 11B Huntsville | 110.076 | 03-0085-008-02 | 105 |
| | Mary Lake Outlet | At Regional Road No.10 Port Sydney | 92.374 | 03-0085-006-02 | 104 |
| | Muskoka Lake Outlet | At Highway No.169 Bala | 34.439 | 03-0085-003-02 | 102 |
| | Muskoka River | At Dock Trans-Canada Pipeline Crossing | 63.085 | 03-0085-035-02 | 110 |
| | Muskoka River South | Highway 11 Muskoka Falls | 69.683 | 03-0085-004-02 | 103 |
| | Musquash River | Hwy. 69, 2.5 Miles north of Hwy.69 & 660 | 18.668 | 03-0085-001-02 | 100 |
| | Rosseau Lake Outlet | Highway 118 Port Carling | 55.360 | 03-0085-002-02 | 101 |
| | Rosseau River | Highway 141 near Rosseau Falls | 72.740 | 03-0085-028-02 | 109 |
| Nanticoke Creek | Nanticoke Creek | At County Road No.11 Nanticoke | 1.609 | 16-0164-001-02 | 453 |
| | Nanticoke Creek | At County Road 27 and 32 | 17.863 | 16-0164-002-02 | 454 |
| | Nanticoke Creek | At Township Road 7 east of Dam Waterford | 39.267 | 16-0164-003-02 | 455 |
| | Nanticoke Creek | At Highway No.6 southwest of Jarvis | 15.610 | 16-0164-004-02 | 456 |
| | Nanticoke Creek | At Regional Road No.5 Nanticoke | 35.083 | 16-0164-005-02 | 457 |
| | Nanticoke Creek | Lot 23, Conc.11 former Township of Townsend | 22.691 | 16-0164-006-02 | 458 |
| Napanee River | Napanee River | Downstream from Napanee | 5.633 | 17-0035-001-02 | 578 |
| | Napanee River | Mink Bridge Upstream from Highway 401 | 14.806 | 17-0035-002-02 | 579 |
| | Napanee River | At Bridge in Town of Newburgh | 22.530 | 17-0035-004-02 | 580 |
| Neebing River | Neebing River | At 110th Avenue Thunder Bay | 0.805 | 01-0107-001-02 | 35 |
| | Neebing River | Hwys.11 & 17 west of Maplewood Side Road | 13.840 | 01-0107-002-02 | 36 |
| Nipigon River | Nipigon River | At Bridge Cameron Falls | 18.990 | 01-0090-001-02 | 26 |
| | Nipigon River | At Highway 17, Nipigon | 9.656 | 01-0090-002-02 | 28 |
| North River | Coldwater River | At CNR Bridge Coldwater | 2.736 | 03-0076-001-02 | 74 |
| Nottawasaga River | Beeton Creek | Second Concession Road North of Beeton | 93.661 | 03-0057-014-02 | 69 |
| | Beeton Creek | Simcoe Co. Road No.10 north of Tottingham | 106.536 | 03-0057-024-02 | 71 |
| | Boyne River | Conc. Road 6, Earl Rowe Provincial Park | 87.224 | 03-0057-003-02 | 62 |
| | Boyne River | County Road 10, Downstream from Alliston | 78.212 | 03-0057-007-02 | 65 |
| | Boyne River | 1st Br. on Highway 24 north of Highway 10 | 122.468 | 03-0057-011-02 | 67 |
| | Boyne River | 1st Conc. east of Highway 24 north of Hwy.10 | 118.605 | 03-0057-012-02 | 68 |
| | Lamont Creek | Highway 26 Stayner | 18.024 | 03-0057-009-02 | 66 |
| | Mad River | At Concession Road 2 Tosorontio Township | 62.119 | 03-0057-021-02 | 70 |
| | Nottawasaga River | At Highway No.92, Wasaga Beach | 0.322 | 03-0057-006-83 | 64 |
| | Nottawasaga River | At Highway No.26, Edenvale | 30.738 | 03-0057-023-02 | 71 |
| | Pine River | Upstream from Camp Borden STP | 54.555 | 03-0057-005-02 | 63 |
| | Pine River | Upstream from Nottawasaga River Angus | 51.819 | 03-0057-010-02 | 66 |
| Oakville Creek | East Oakville Creek | At Baseline Road Sixteen Valley | 19.633 | 06-0063-011-02 | 205 |
| | Middle Oakville Creek | Hwy. 25, 1.8 Miles south of Scotch Block | 42.486 | 06-0063-003-02 | 203 |
| | Oakville Creek | Highway 2, Oakville | 0.644 | 06-0063-001-02 | 201 |
| | Oakville Creek | Side Road 10, Milton | 23.818 | 06-0063-002-02 | 202 |
| | Oakville Creek | At County Road 9, Milton Falls | 32.508 | 06-0063-008-02 | 203 |
| | Oakville Creek | At County Road 28, Upstream of Milton | 33.152 | 06-0063-009-02 | 204 |
| | Oakville Creek | At Concession 8, Upstream of Kelso Reservoir | 29.933 | 06-0063-010-02 | 205 |

| River Basin | Stream | Sample Point Description | Distance | Location Code | Page No. |
|---|---|---|---|---|---|
| Oshawa Creek | Montgomery Creek | At Harbour Road Oshawa | 0.805 | 06-0111-002-02 | 261 |
| | Oshawa Creek | Simcoe Street south Oshawa | 0.644 | 06-0111-001-02 | 259 |
| Ottawa River | Ottawa River | Channel 1 and 2 Hawkesbury | 109.432 | 18-0000-051-82 | 580 |
| | Ottawa River | Perley Bridge, Hawkesbury Main Channel | 109.432 | 18-0000-078-83 | 581 |
| | Ottawa River | At Chats Falls 900' from P/Q shore | 263.281 | 18-0000-170-02 | 581 |
| | Ottawa River | At Chenaux Dam 800' from P/Q shore | 303.514 | 18-0000-240-02 | 582 |
| | Ottawa River | At Otto Holden Dam 1200' from P/Q shore | 548.610 | 18-0000-360-02 | 582 |
| Petawawa River | Petawawa River | Highway 17, Bridge Petawawa | 2.897 | 18-4930-020-02 | 611 |
| Pic River | Black River | At Highway 17 | 12.874 | 01-0060-002-02 | 13 |
| | Black River | At Highway No.614, south of Agonzon | 84.327 | 01-0060-003-02 | 15 |
| | Black River | 1 Mile below outlet of Mose L.Ont. P & P Road | 131.963 | 01-0060-004-02 | 16 |
| | Black River | Above Mose Lake on Ontario P & P Road | 133.250 | 01-0060-006-02 | 19 |
| | Fox Creek | At Highway No.614 Manitouwadge Lake | 136.951 | 01-0060-005-02 | 18 |
| | Fox Creek | At Inflow to Manitowadge Lake | 138.239 | 01-0060-008-02 | 21 |
| | Pic River | At Highway 17 | 14.806 | 01-0060-001-02 | 10 |
| | Rudder Creek | 3 Mile west of Hwy.614 on American Can Road | 96.742 | 01-0060-007-02 | 20 |
| Pickerel River | Pickerel River | At Highway 69 | 27.680 | 03-0130-001-02 | 117 |
| Picton Creek | Picton Creek | At Conservation area Pound | 1.287 | 17-0008-001-02 | 509 |
| Pottawatomi River | Pottawatomi River | At 14th Street Bridge Owen Sound | 1.609 | 03-0015-002-02 | 48 |
| Pretty River | Pretty River | At Parkway Bridge Collingwood | 0.483 | 03-0053-001-02 | 60 |
| Pringle Creek | Pringle Creek | Watson Street, Whitby | 1.770 | 06-0109-003-02 | 258 |
| Proctors Creek | Proctors Creek | Road to Highway 33, Brighton | 0.322 | 06-0151-001-02 | 276 |
| Puce River | Puce River | At Essex County Road 42, south of Puce | 3.380 | 04-0005-003-02 | 136 |
| Rainy River | Rainy River | Downstream of Emo | 302.813 | 19-0001-003-02 | 621 |
| | Rainy River | Upstream from Fort Frances Toll Bridge | 341.506 | 19-0001-004-02 | 622 |
| | Rainy River | Downstream from Confluence with Baudette R. | 225.946 | 19-0001-009-02 | 628 |
| | Rainy River | Upstream from Confluence with Baudette R. | 228.521 | 19-0001-010-02 | 629 |
| | Rainy River | Above Emo | 308.606 | 19-0001-011-02 | 630 |
| | Rainy River | Downstream from Fort Frances, North | 328.297 | 19-0001-012-02 | 631 |
| | Rainy River | Downstream from Fort Frances, Centre | 328.297 | 19-0001-013-02 | 632 |
| | Rainy River | Downstream from Fort Frances, South | 328.297 | 19-0001-014-02 | 632 |
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| | Raisin River | 1st Bend Downstream from Williamstown | 9.495 | 12-0073-003-02 | 359 |
| | Raisin River | 1st Bridge Downstream from St. Andrews | 32.669 | 12-0073-008-02 | 360 |
| | Raisin River | At County Road No.18 East of Lunenburg | 56.004 | 12-0073-010-02 | 360 |
| | South Raisin River | At Co. Road No.20 South of Cashiongien | 17.863 | 12-0073-015-02 | 362 |
| Rattray Creek | Rattray Marsh | At Meadow Wood Road Clarkson | 1.448 | 06-0068-001-02 | 206 |
| Redhill Creek | Redhill Creek | At Barton Street East Hamilton | 3.701 | 09-0001-003-02 | 335 |
| | Redhill Creek | Mountainbrow Blvd. Hamilton Albion Falls | 10.300 | 09-0001-004-02 | 337 |
| Rideau River | Bobs Lake | End of Road to Timmermans Island | 164.149 | 18-0033-025-01 | 593 |
| | Crow Lake Inlet | Community of Crow Lake | 159.964 | 18-0033-024-02 | 592 |
| | Jock River | At Twp. Line Downstream from Richmond | 41.359 | 18-0033-016-02 | 588 |
| | Jock River | At Queen Street Richmond | 44.256 | 18-0033-017-02 | 589 |
| | Jock River | At Moodie Drive Bridge | 33.313 | 18-0033-036-02 | 599 |
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| | Rideau River | Narrows Lock Bridge North of Crosby | 132.606 | 18-0033-007-02 | 585 |
| | Rideau River | Highway 43 Merrickville | 76.120 | 18-0033-011-02 | 587 |
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| | Rideau River | Downstream from Confluence with Jock River | 24.461 | 18-0033-028-02 | 595 |
| | Rideau River | At Bridge Downstream of Kars | 38.945 | 18-0033-029-02 | 595 |
| | Rideau River | At Hog's Back Road Ottawa | 11.426 | 18-0033-031-02 | 596 |
| | Rideau River | St. Patrick Street Bridge Ottawa | 1.609 | 18-0033-034-02 | 597 |
| | Rideau River | At Nicolson's Lock Andrewsville | 73.545 | 18-0033-035-02 | 598 |
| | Rideau River | At Long Island Gauging Station | 25.910 | 18-0033-037-02 | 599 |
| | Tay River | 1 Mile Downstream from Perth Lagoons | 114.099 | 18-0033-008-02 | 585 |
| | Tay River | At Market Street Perth | 120.537 | 18-0033-009-02 | 586 |
| | Tay River | At Dam in Bolingbroke | 151.596 | 18-0033-023-02 | 592 |
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| | Rouge River | Highway 48 Markham | 20.277 | 06-0097-002-02 | 240 |
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| Sandusk Creek | Sandusk Creek | At Haldimand County Road No. 11 | 4.506 | 16-0170-002-02 | 459 |
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| | Crowe River | First Road Above Belmont Lake | 95.431 | 17-0021-083-02 | 556 |
| | Crowe River | At Cordova Lake Outlet Dam | 98.650 | 17-0021-084-02 | 557 |
| | Crowe River | At Highway No.28, Paudash Lake Outlet 76 1 | 172.034 | 17-0021-089-02 | 558 |
| | Crowe River | Blow Confluence with Cr. from Bow Lake 76 2 | 166.884 | 17-0021-100-02 | 561 |
| | Deer Creek | Downstream from Bicroft Mine Tailings 74 1 | 183.138 | 17-0021-060-02 | 538 |
| | Drag River | At Highway No. 519 | 316.871 | 17-0021-033-02 | 524 |
| | Farrel Creek | At Dyno Road Downstream Dyno Mine 78-1 | 249.763 | 17-0021-058-02 | 537 |
| | Gull Lake Outlet | Highway 35, Moore Falls | 289.030 | 17-0021-032-02 | 524 |
| | Gull River | Highway 35, Coboconk | 267.627 | 17-0021-025-02 | 523 |
| | Gull River | Highway 35, North of Carnarvon | 327.171 | 17-0021-036-02 | 526 |
| | Gull River | 1.3 Miles Downstream from Minden | 301.905 | 17-0021-043-02 | 530 |

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SAMPLE INFORMATION SYSTEM

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| River Basin | Stream | Sample Point Description | Distance | Location Code | Page No. |
|---|---|---|---|---|---|
| Trent River | Gull River | At Highway No.35, Upstream from Minden | 307.698 | 17-0021-044-02 | 531 |
| | Gull River | Highway 503 Bridge Norland | 278.892 | 17-0021-076-02 | 552 |
| | Head Lake Outlet | Highway 121, Haliburton | 334.573 | 17-0021-037-02 | 527 |
| | Indian River | First Road South of Keene | 102.834 | 17-0021-006-02 | 514 |
| | Jackson Creek | Dalhousie Street Peterborough | 145.159 | 17-0021-038-02 | 528 |
| | Lovesick Lake Outlet | At Highway 28 Burleigh Falls | 185.713 | 17-0021-017-02 | 519 |
| | Mississauga River | Highway 36, ½ Mile North of Buckhorn | 197.622 | 17-0021-052-02 | 534 |
| | Nonquon River | At County Road No.2, Seagrave | 290.479 | 17-0021-040-02 | 529 |
| | North River | Near North River Bay, Belmont Lake | 93.822 | 17-0021-091-02 | 559 |
| | North River | At Bridge on Blue Mountain Road | 102.191 | 17-0021-092-02 | 560 |
| | Otonabee River | At Bensforth Bridge South of Peterborough | 125.204 | 17-0021-008-02 | 516 |
| | Otonabee River | Highway 7, Peterborough | 142.423 | 17-0021-011-83 | 517 |
| | Otonabee River | Road to Nassau Mills | 149.826 | 17-0021-013-02 | 518 |
| | Otonabee River | Lock 25, Lakefield | 158.516 | 17-0021-065-02 | 541 |
| | Otonabee River | At Lock No.19, Dam Peterborough | 144.676 | 17-0021-070-02 | 548 |
| | Ouse River | At Highway 45 | 104.122 | 17-0021-007-02 | 515 |
| | Ouse River | First Concession Downstream from Norwood | 101.386 | 17-0021-066-02 | 542 |
| | Paudash Lake | Inlet Bay near mouth of Deer Creek 75 1 | 182.334 | 17-0021-059-01 | 537 |
| | Paudash Lake Narrows | At Paudash Lake Road 75 3 | 178.150 | 17-0021-090-01 | 558 |
| | Pigeon River | Fee Landing, 3 Miles North of Omemee | 226.911 | 17-0021-074-02 | 551 |
| | Plato Creek | Highway 7, 1 Mile East of Havelock | 98.167 | 17-0021-072-02 | 550 |
| | Plato Creek | At Old Round Lake Road | 104.765 | 17-0021-078-02 | 554 |
| | Plato Creek | At Freeman Corners Bridge | 87.707 | 17-0021-081-02 | 555 |
| | Private Water Supply | At House Near Deer Creek | 183.299 | 17-0021-115-22 | 564 |
| | Rawdon Creek | At Highway No.33, South of Stirling | 24.783 | 17-0021-047-02 | 533 |
| | Salt Creek | Conc. East of Highway 30 South of Meyersburg | 42.164 | 17-0021-071-02 | 549 |
| | Scugog River | Downstream from Lindsay Lagoons | 245.740 | 17-0021-041-02 | 530 |
| | Scugog River | At Highways No.7 and No.35 Lindsay | 253.626 | 17-0021-116-02 | 564 |
| | Sturgeon Lake Outlet | Highway 36 Bobcaygeon | 222.083 | 17-0021-021-02 | 521 |
| | Trent River | At Dam, Town of Campbellford | 50.854 | 17-0021-002-02 | 511 |
| | Trent River | At High-Lo Cottages Dock | 80.787 | 17-0021-004-02 | 512 |
| | Trent River | At Dents Cottages Dock | 80.948 | 17-0021-005-02 | 513 |
| | Trent River | Highway 401 Bridge near Trenton | 3.862 | 17-0021-045-02 | 532 |
| | Trent River | At Healey Falls Dam | 63.245 | 17-0021-057-02 | 536 |
| | Trent River | Bridge Street Bridge Hastings | 81.109 | 17-0021-067-02 | 543 |
| | Trent River | New Highway 2 Bridge Trenton | 0.805 | 17-0021-068-83 | 544 |
| | Trent River | At Trent River Bridge | 71.131 | 17-0021-110-83 | 562 |
| | Trent River | At Glen Ross Bridge | 23.013 | 17-0021-118-02 | 565 |
| | Twelve Mile Lake Outlet | At Highway No.35 | 318.480 | 17-0021-035-02 | 525 |
| Turkey Creek | Turkey Creek | At Windsor Suburban Road 40 | 3.862 | 10-0001-002-02 | 341 |
| Twelve Mile Creek | Old Welland Canal | At Glenridge Avenue St. Catharines | 7.081 | 06-0017-003-02 | 186 |
| | Twelve Mile Creek | At Lakeport Road St. Catharines | 1.287 | 06-0017-001-02 | 181 |
| | Twelve Mile Creek | Wellandvale Avenue St. Catharines | 5.472 | 06-0017-002-02 | 185 |
| | Twelve Mile Creek | At Glendale Ave. St. Catharines | 8.690 | 06-0017-004-02 | 188 |
| | Twelve Mile Creek | 1st. Street Louth Township near Power Glen | 11.909 | 06-0017-007-02 | 189 |
| | Twelve Mile Creek | At Decew Road | 10.621 | 06-0017-008-02 | 190 |
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| | Twenty Mile Creek | First Bridge Downstream of Smithville | 28.163 | 06-0024-002-02 | 192 |
| | Twenty Mile Creek | Highway 20 Downstream of Smithville | 24.944 | 06-0024-004-02 | 193 |
| Tyrconnell Creek | Dutton Drain | Conc. Road 7 Dunwich Township S-W of Dutton | 8.851 | 16-0072-001-02 | 432 |
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| Welland River | Chippawa Canal | Whirlpool Road, Niagara Falls | 3.862 | 11-0001-001-02 | 344 |
| | Welland River | At Montrose Bridge | 14.162 | 11-0001-003-83 | 345 |
| | Welland River | New Syphon at Port Robinson | 23.818 | 11-0001-005-02 | 350 |
| | Welland River | At Bridge South of Welland Airport | 36.853 | 11-0001-007-02 | 351 |
| | Welland River | At Sinclairville Bridge | 101.225 | 11-0001-008-02 | 352 |
| | Welland River | Lot 25, Conc.7 Former Township of Binbrook | 112.490 | 11-0001-009-02 | 353 |
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| | Welland Ship Canal | First Bridge Downstream from Lake Erie | 43.451 | 06-0014-002-02 | 180 |
| White River | White River | At Highway 17 | 77.246 | 01-0057-001-02 | 10 |
| Whitefish Bay | Havilland Bay (Whitefish Bay) | Near M.N.R. Camp Grounds | 0.000 | 07-0000-001-01 | 282 |
| Wilmot Creek | Orono Creek | At Concession Road Southwest of Orono | 8.047 | 06-0117-002-02 | 267 |
| | Wilmot Creek | At Highway 2, 2 Miles West of Newcastle | 1.127 | 06-0117-003-02 | 267 |
| Winnipeg River | Winnipeg River | At First CPR Br. West of Main ST. Kenora | 94.949 | 19-0001-001-02 | 619 |
| | Winnipeg River | Northwest of Old Fort Island | 92.213 | 19-0001-002-02 | 620 |
| Wye River | Wye River | At Highway 12, East of Midland | 1.448 | 03-0070-001-02 | 72 |
| | Wye River | At County Road No.6, North of Elmvale | 22.530 | 03-0070-002-02 | 73 |